TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY: 2-16-11

Job Number: 360-24582-1

SDG Number: OCRI-15

Job Description: Olin Chemical Superfund Site

For:
Olin Corporation
3855 North Ocoee Street
Suite 200
Cleveland, TN 37312-4441

Attention: Mr. Steven Morrow

Approved for release.
Chris F Reynolds
QA Manager
10/13/2009 4:13 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/13/2009

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 7

Report Narrative 7

Sample Summary 13

Executive Summary 14

Method Summary 32

Method / Analyst Summary 34

Sample Datasheets 35

Surrogate Summary 196

QC Data Summary 203

Data Qualifiers 314

QC Association Summary 316

Lab Chronicle 333

Organic Sample Data 352

GC/MS VOA 352

Method 8260B 352

Method 8260B QC Summary 353

Method 8260B Sample Data 394

Standards Data 585

Method 8260B ICAL Data 585

Method 8260B CCAL Data 713

Raw QC Data 752

Method 8260B Tune Data 752

Method 8260B Blank Data 770

Method 8260B LCS/LCSD Data 806

Method 8260B MS/MSD Data 862

Table of Contents

Method 8260B Run Logs 876

Method 8260B Prep Data 882

GC/MS Semi VOA 888

Method 8270C Low Level 888

Method 8270C Low Level QC Summary 889

Method 8270C Low Level Sample Data 931

Standards Data 1348

Method 8270C Low Level ICAL Data 1348

Method 8270C Low Level CCAL Data 1677

Raw QC Data 1757

Method 8270C Low Level Tune Data 1757

Method 8270C Low Level Blank Data 1784

Method 8270C Low Level LCS/LCSD Data 1833

Method 8270C Low Level MS/MSD Data 1885

Method 8270C Low Level Run Logs 1899

Method 8270C Low Level Prep Data 1908

HPLC 1917

8315 1917

8315 QC Summary 1918

8315 Sample Data 1924

Standards Data 1930

8315 ICAL Data 1930

8315 CCAL Data 1956

Raw QC Data 1976

8315 Blank Data 1976

8315 LCS/LCSD Data 1982

Table of Contents

8315 Run Logs 1994

8315 Prep Data 1997

LC65 2001

LC65 QC Summary 2002

LC65 Sample Data 2008

Standards Data 2014

LC65 ICAL Data 2014

LC65 CCAL Data 2032

Raw QC Data 2044

LC65 Blank Data 2044

LC65 LCS/LCSD Data 2050

LC65 Run Logs 2062

LC65 Prep Data 2066

GC Semi VOA 2070

Method 8082 2070

Method 8082 QC Summary 2071

Method 8082 Sample Data 2089

Standards Data 2119

Method 8082 ICAL Data 2119

Method 8082 CCAL Data 2228

Raw QC Data 2258

Method 8082 Blank Data 2258

Method 8082 LCS/LCSD Data 2261

Method 8082 MS/MSD Data 2269

Method 8082 Run Logs 2277

Method 8082 Prep Data 2281

Table of Contents

Inorganic Sample Data 2283

Metals Data 2283

Met Cover Page 2284

Met Sample Data 2285

Met QC Data 2302

Met ICV/CCV 2302

Met CRQL 2318

Met Blanks 2322

Met ICSA/ICSAB 2335

Met MS/MSD/PDS 2343

Met Duplicates 2346

Met LCS/LCSD 2348

Met Serial Dilution 2356

Met MDL 2358

Met IECF 2362

Met Linear Ranges 2370

Met Preparation Log 2371

Met Analysis Run Log 2375

Met Raw Data 2388

Met Prep Data 2477

General Chemistry Data 2482

Gen Chem Cover Page 2483

Gen Chem Sample Data 2485

Gen Chem QC Data 2527

Gen Chem ICV/CCV 2527

Gen Chem Blanks 2537

Table of Contents

Gen Chem MS/MSD/PDS 2539

Gen Chem Duplicates 2543

Gen Chem LCS/LCSD 2544

Gen Chem MDL 2549

Gen Chem Preparation Log 2556

Gen Chem Analysis Run Log 2559

Gen Chem Raw Data 2582

Gen Chem Prep Data 2760

Shipping and Receiving Documents 2809

Sample Receipt Checklist 2811

Client Chain of Custody 2817

CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24582-1

Samples were analyzed in accordance with analytical methods, SOPs, and QA/QC goals described in the Olin Chemical Superfund Site Remedial Investigation /Feasibility Study Work Plan Volume III-B Quality Assurance Project Plan (QAPP) August 14, 2009. Analytical methods include USEPA published methods for the majority of analytes. Custom laboratory methods that were developed by Test America are also used for a subset of analytes as described in the QAPP. Analytical QA/QC goals from the Massachusetts Contingency Plan (MCP) Compendium of MCP Methods published by the Massachusetts Department of Environmental Protection (MassDEP) have been identified as project goals in the QAPP for those methods addressed in the Compendium. Analytical methods are run in accordance with both USEPA methodologies and MassDEP analytical guidelines. Analytical methods meet requirements of USEPA methods and MassDEP Presumptive Certainty goals unless discussed in this narrative.

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

For those methods contained in the MassDEP Compendium, a separate MCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may be greater than project QLs identified in the QAPP. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

RECEIPT

The samples were received on 09/14/2009 and 09/15/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 6.0 and 1.0C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS) (soils)

Samples 360-24582-1, 360-24582-2, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-23 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 09/16/2009, 09/17/2009 and 09/18/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-49046/1-A. 2,2-Dichloropropane exceeded the rpd limit (both LCS/LCSD recovered within limits).

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-49099/1-A.

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-49178/1-A. Methyl acetate failed the recovery criteria high in the LCS/LCSD.

Dichlorodifluoromethane failed the recovery criteria low for the MS/MSD of sample 360-24563-14 in batch 360-49049. 1,4-Dioxane exceeded the rpd limit.

Several analytes failed the recovery criteria low for the MS/MSD of sample 360-24582-22 in batch 360-49180. Methyl acetate failed the recovery criteria high in the MS/MSD. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

General method information:
For samples 24582-(1-2), batch 49049, the curve uses quadratic regressions for 1,4-Dioxane.
For samples 360-24582-(5-7,9-14,16,17,19-21), batch 49101, the curve uses quadratic regressions for 1,4-Dioxane.
For samples 360-24582-24582-(22,23), batch 49180, the curve uses quadratic regressions for 1,4-Dioxane.

Sample 360-24582-(1) had a ratio of methanol to soil above the method standard.
Samples 360-24582-(5,7,16, and 20) had a ratio of methanol to soil below the method standard.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) (water)
Sample 360-24582-4 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 09/17/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

1,2-Dibromo-3-Chloropropane, 1,4-Dioxane, 2-Butanone (MEK) and Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-49119/3. 2,2-Dichloropropane failed the recovery criteria high for the LCS/LCSD.

For sample 360-24582-4, batch 49119, the CCV recovered high for 2,2-Dichloropropane and low for 1,4-dioxane.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) (soils)
Revised information: TIC results were modified for the following samples 360-24582-1,5-6,9-10,12-14,17,19. Benzidine was removed from all samples and Diphenylamine was removed from 360-24582-13-14.

Samples 360-24582-1, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-22 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/21/2009 and 09/23/2009 and analyzed on 09/29/2009 and 10/03/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

Benzoic acid and Di-n-butyl phthalate were detected in method blank MB 360-49246/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24582-(21,22,22MS/MSD), Aniline failed the recovery criteria low for LCS/LCSD 360-49345/2-A.
For samples 360-24582-(1,5,6,7,9-14, 16,17,19,20), Aniline failed the recovery criteria low for LCSD 360-49246/3-A.
Indeno[1,2,3-cd]pyrene failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MS/MSD of sample 360-24582-22 in batch 360-49826. 2,4-Dinitrophenol failed the recovery criteria high in the MS/MSD. Also, 3-Nitroaniline and Bis(2-ethylhexyl) phthalate exceeded the rpd limit.

General method information:
Bis(2-ethylhexyl) phthalate was detected in method blank MB 360-49246/1-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.

For samples 360-24582-(1,5,6,7,9-14, 16,17,19,20) batch 49648. ICAL 9/28/2009 Inst B: Quadratic regression used for Benzoic acid, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol.

For samples 360-24582-(21,22,22MS/MSD), batch 49826. ICAL 10/3/2009 Inst B: Quadratic regression used for Benzyl alcohol, Benzoic acid, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol.

Samples 360-24582-5 through 360-24582-7(10X), 360-24582-9 through 360-24582-14(10X), 360-24582-16(10X), 360-24582-17(10X) and 360-24582-19 through 360-24582-22(10X) required dilution prior to analysis due to the nature of the sample extracts - thick oily extract. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) (Soil) N-Nitrosodimethylamine
Sample 360-24582-1 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/22/2009 and analyzed on 09/26/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General method information:
Internal standard associated with NDMA is 1,4-Dichlorobenzene-D4. The sample in batch 49520 (360-24582-1) had acceptable internal standard results for 1,4-Dichlorobenzene-D4, however failures may be noted for the later eluting internal standards. These failures do not bias the results of NDMA.

The base neutral surrogate most closely associated with NDMA is Nitrobenzene-d5. The results of the acid surrogates do not affect these results.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) (water)
Sample 360-24582-4 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/15/2009 and analyzed on 09/26/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

Bis(2-ethylhexyl) phthalate was detected in method blank MB 360-48980/1-A 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.

Phenol-d5 failed the surrogate recovery criteria low for 360-24582-4, MB, LCS, LCSD. Per MCP, re-extraction is only required if two or more surrogates from any one fraction or any single surrogate falls below 10%.

4-Nitrophenol, Aniline, Benzoic acid, Caprolactam and Phenol failed the recovery criteria low for LCS/LCSD 360-48980/2-A.
4-Nitrophenol exceeded the rpd limit. Refer to the QC report for details.

General method information:
Di-n-butyl phthalate was detected in method blank MB 360-48980/1-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.

For sample 360-24582-4, batch 49511. ICAL 9/25/2009 Inst B: Quadratic regression used for Benzoic acid, 1,2,4-Trichlorobenzene, 2,4-Dinitrophenol, 2-Nitroaniline and Pentachlorophenol.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) (soil)
Samples 360-24582-8, 360-24582-9, 360-24582-14, 360-24582-15, 360-24582-17, 360-24582-18, 360-24582-21 and 360-24582-22 were analyzed for polychlorinated biphenyls (PCBs) in accordance with SW846 8082. The samples were prepared on 09/16/2009 and analyzed on 09/16/2009 and 09/17/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General method information:
Samples 360-24582-8(10X) and 360-24582-9(5X) required dilution prior to analysis due to high concentrations of target compounds. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the PCB 8082 analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (soil)
Samples 360-24582-1, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-22 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/18/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

Several analytes failed the recovery criteria low for the MS of sample 360-24582-22 in batch 360-49826. Aluminum failed the recovery criteria high. The LCS recovered within control limits, thus no corrective action required.

Barium and Lead exceeded the rpd limit for the duplicate of sample 360-24582-22.

Tin exceeded the CRI method criteria with 63% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:
At the request of the client, a modified MCP analyte list (TAL metals) was reported for this job.

Several analytes were detected in method blank MB 360-49128/1-A 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.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (water)
Sample 360-24582-4 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/15/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

Tin exceeded the CRI method criteria with 63% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:
At the request of the client, a modified MCP analyte list (TAL metals) was reported for this job.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY (soil)
Samples 360-24582-1, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-22 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 09/17/2009 and analyzed on 09/18/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY (water)
Sample 360-24582-4 was analyzed for total mercury in accordance with EPA SW-846 Method 7470A. The samples were prepared on 09/17/2009 and analyzed on 09/18/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

ANIONS (soil)
Samples 360-24582-1, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-22 were analyzed for anions in accordance with EPA Method 300.0. The samples were leached on 09/23/2009 and analyzed on 09/25/2009.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (water)
Sample 360-24582-4 was analyzed for anions in accordance with Anions, Ion Chromatograph. The samples were prepared and analyzed

on 09/21/2009.

No difficulties were encountered during the anions analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM (soil)
Samples 360-24582-3, 360-24582-24 and 360-24582-25 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7199. The samples were prepared on 09/22/2009 and analyzed on 09/24/2009 and 09/25/2009.

No difficulties were encountered during the hex chrome analyses.

All quality control parameters were within the acceptance limits.

FORMALDEHYDE (soil)
Sample 360-24582-1 was analyzed for formaldehyde in accordance with EPA SW-846 Method 8315A. The samples were prepared on 09/21/2009 and analyzed on 09/23/2009.

No difficulties were encountered during the formaldehyde analysis.

All quality control parameters were within the acceptance limits.

FORMALDEHYDE (water)
Sample 360-24582-4 was analyzed for formaldehyde in accordance with EPA SW-846 Method 8315A. The samples were prepared on 09/17/2009 and analyzed on 09/18/2009.

General method information:
A batch ms/msd was not performed due to sample being an equipment blank.

No other difficulties were encountered during the formaldehyde analysis.

All other quality control parameters were within the acceptance limits.

CORROSIVITY (pH) (soil)
Samples 360-24582-3, 360-24582-24 and 360-24582-25 were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 09/18/2009 and 09/21/2009.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

AMMONIA (soil)
Samples 360-24582-1, 360-24582-5 through 360-24582-7, 360-24582-9 through 360-24582-14, 360-24582-16, 360-24582-17 and 360-24582-19 through 360-24582-22 were analyzed for ammonia in accordance with LACHAT 107-06-1B. The samples were prepared and analyzed on 09/23/2009.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

AMMONIA (water)
Sample 360-24582-4 was analyzed for ammonia in accordance with LACHAT 107-06-1B. The samples were prepared on 09/21/2009 and analyzed on 09/22/2009.

No difficulties were encountered during the ammonia analysis.

All quality control parameters were within the acceptance limits.

MALEIC AND PHTHALIC ACID (DAI/HPLC) (soil)
Sample 360-24582-1 was analyzed for Maleic and Phthalic Acid (DAI/HPLC) in accordance with TAL LC65. The samples were prepared on 09/21/2009 and analyzed on 09/24/2009.

No difficulties were encountered during the DAI/HPLC analysis.

All quality control parameters were within the acceptance limits.

MALEIC AND PHTHALIC ACID (DAI/HPLC) (water)
Sample 360-24582-4 was analyzed for Maleic and Phthalic Acid (DAI/HPLC) in accordance with TAL LC65. The samples were prepared on 09/17/2009 and analyzed on 09/21/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

Phthalic Acid/Phthalic anhydride failed the recovery criteria low for LCS/LCSD 640-60871/2-A. The sample was re-extracted outside of holding time (batch 61034,9/22/09) with acceptable LCS/LCSD recoveries. Since phthalic acid was not detected in either analysis, the original result and QC is reported with this qualification.

No other difficulties were encountered during the DAI/HPLC analysis.

All other quality control parameters were within the acceptance limits.

REDUCTION-OXIDATION (REDOX) POTENTIAL (soil)

Samples 360-24582-3, 360-24582-24 and 360-24582-25 were analyzed for Reduction-Oxidation (REDOX) Potential in accordance with SM 2580B Oxidation Reduction Potential. The samples were leached on 09/16/2009 and 09/21/2009 and analyzed on 09/16/2009 and 09/21/2009.

No difficulties were encountered during the redox analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 360-24582-1, 360-24582-3, 360-24582-5 through 360-24582-22, 360-24582-24 and 360-24582-25 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/15/2009, 09/16/2009, 09/17/2009 and 09/19/2009.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24582-1	OC-SB-457-28/30-XXX	Solid	09/14/2009 1130	09/14/2009 1750
360-24582-2	OC-TBK-018	Solid	09/14/2009 1415	09/14/2009 1750
360-24582-3	OC-SB-457-28/30-XXX	Solid	09/14/2009 1130	09/14/2009 1750
360-24582-4FB	OC-EBK-010	Water	09/14/2009 1300	09/14/2009 1750
360-24582-5	OC-SS-400-0.0/1.0-XXX	Solid	09/14/2009 1440	09/15/2009 1640
360-24582-6	OC-SS-401-0.1/1.0-XXX	Solid	09/14/2009 1505	09/15/2009 1640
360-24582-7	OC-SS-402-0.0/1.0-XXX	Solid	09/14/2009 1530	09/15/2009 1640
360-24582-8	OC-SS-403-0.0/1.0-XXX	Solid	09/14/2009 1550	09/15/2009 1640
360-24582-9	OC-SS-404-0.0/1.0-XXX	Solid	09/14/2009 1610	09/15/2009 1640
360-24582-10	OC-SS-405-0.0/1.0-XXX	Solid	09/14/2009 1630	09/15/2009 1640
360-24582-11	OC-SS-406-0.0/1.0.-XXX	Solid	09/15/2009 0835	09/15/2009 1640
360-24582-12	OC-SS-407-0.0/1.0-XXX	Solid	09/15/2009 0905	09/15/2009 1640
360-24582-13	OC-SS-408-0.0/1.0-XXX	Solid	09/15/2009 0930	09/15/2009 1640
360-24582-14	OC-SS-409-0.0/1.0-XXX	Solid	09/15/2009 1000	09/15/2009 1640
360-24582-15	OC-SS-410-0.0/1.0-XXX	Solid	09/15/2009 1015	09/15/2009 1640
360-24582-16	OC-SS-411-0.0/1.0-XXX	Solid	09/15/2009 1055	09/15/2009 1640
360-24582-17	OC-SS-412-0.0/1.0-XXX	Solid	09/15/2009 1120	09/15/2009 1640
360-24582-18	OC-SS-413-0.0/1.0-XXX	Solid	09/15/2009 1130	09/15/2009 1640
360-24582-19	OC-SS-414-0.0/1.0-XXX	Solid	09/15/2009 1155	09/15/2009 1640
360-24582-20	OC-SS-415-0.0/1.0-XXX	Solid	09/15/2009 1215	09/15/2009 1640
360-24582-21	OC-SS-416-0.0/1.0-DUP	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-22	OC-SS-416-0.0/1.0-XXX	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-22MS	OC-SS-416-0.0/1.0-XMS	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-22MSD	OC-SS-416-0.0/1.0-MSD	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-23TB	OC-TBK-019	Solid	09/15/2009 1200	09/15/2009 1640
360-24582-24	OC-SS-416-0.0/1.0-DUP	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-25	OC-SS-416-0.0/1.0-XXX	Solid	09/15/2009 1240	09/15/2009 1640
360-24582-25MS	OC-SS-416-0.0/1.0-XMS	Solid	09/15/2009 1240	09/15/2009 1640

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-1	**OC-SB-457-28/30-XXX**					
Bis(2-ethylhexyl) phthalate		75	B	42	ug/Kg	8270C LL
Formaldehyde		650		130	ug/Kg	8315A
Acetaldehyde		66	J	260	ug/Kg	8315A
Aluminum		8600		3.8	mg/Kg	6010B
Antimony		0.29	J	0.75	mg/Kg	6010B
Arsenic		4.0		1.5	mg/Kg	6010B
Barium		41		0.75	mg/Kg	6010B
Beryllium		0.21	J	0.30	mg/Kg	6010B
Cadmium		0.26	J	0.30	mg/Kg	6010B
Calcium		2800	B	15	mg/Kg	6010B
Chromium		180		0.75	mg/Kg	6010B
Cobalt		7.7		0.75	mg/Kg	6010B
Copper		25		1.5	mg/Kg	6010B
Iron		19000	B	7.5	mg/Kg	6010B
Lead		3.0		0.75	mg/Kg	6010B
Magnesium		5200	B	15	mg/Kg	6010B
Manganese		140		1.5	mg/Kg	6010B
Nickel		14		1.5	mg/Kg	6010B
Potassium		2600		300	mg/Kg	6010B
Silver		2.7		0.75	mg/Kg	6010B
Sodium		410		150	mg/Kg	6010B
Vanadium		32		1.5	mg/Kg	6010B
Zinc		23		3.8	mg/Kg	6010B
Tin		69	B ^	7.5	mg/Kg	6010B
Ammonia		130		7.4	mg/Kg	L107-06-1B
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
Soluble						
Sulfate-Soluble		210		51	mg/Kg	300.0
360-24582-3	**OC-SB-457-28/30-XXX**					
Chromium (hexavalent)		11		2.2	mg/Kg	7199
pH		7.77			SU	9045C
Percent Moisture		9.3		1.0	%	Moisture
Percent Solids		91		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		370			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-4FB	**OC-EBK-010**					
Chloroform		1.0	J	1.0	ug/L	8260B
Di-n-butyl phthalate		1.0	J B	5.0	ug/L	8270C LL
Butyl benzyl phthalate		1.2	J	5.0	ug/L	8270C LL
Acetophenone		0.66	J	5.0	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate		1.6	J B	2.0	ug/L	8270C LL
Calcium		78	J	400	ug/L	6010B
Copper		29		10	ug/L	6010B
Iron		110		100	ug/L	6010B
Selenium		3.2	J	10	ug/L	6010B
Thallium		3.0	J	10	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-5	**OC-SS-400-0.0/1.0-XXX**					
Benzo[a]anthracene		130	J	430	ug/Kg	8270C LL
Benzo[a]pyrene		170	J	430	ug/Kg	8270C LL
Benzo[b]fluoranthene		190	J	430	ug/Kg	8270C LL
Benzo[g,h,i]perylene		170	J	430	ug/Kg	8270C LL
Benzo[k]fluoranthene		190	J	430	ug/Kg	8270C LL
Benzoic acid		720	J B	2200	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		270	J B	430	ug/Kg	8270C LL
Chrysene		240	J	430	ug/Kg	8270C LL
Dibenz(a,h)anthracene		310	J	430	ug/Kg	8270C LL
Fluoranthene		390	J	430	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		170	J *	430	ug/Kg	8270C LL
Phenanthrene		280	J	520	ug/Kg	8270C LL
Pyrene		380	J	430	ug/Kg	8270C LL
Aluminum		3600		4.3	mg/Kg	6010B
Arsenic		8.9		1.7	mg/Kg	6010B
Barium		13		0.86	mg/Kg	6010B
Beryllium		0.10	J	0.35	mg/Kg	6010B
Cadmium		0.69		0.35	mg/Kg	6010B
Calcium		1300	B	17	mg/Kg	6010B
Chromium		15		0.86	mg/Kg	6010B
Cobalt		2.9		0.86	mg/Kg	6010B
Copper		35		1.7	mg/Kg	6010B
Iron		36000	B	8.6	mg/Kg	6010B
Lead		53		0.86	mg/Kg	6010B
Magnesium		170	B	17	mg/Kg	6010B
Manganese		100		1.7	mg/Kg	6010B
Nickel		11		1.7	mg/Kg	6010B
Potassium		360		350	mg/Kg	6010B
Selenium		0.41	J B	0.86	mg/Kg	6010B
Vanadium		19		1.7	mg/Kg	6010B
Zinc		19		4.3	mg/Kg	6010B
Tin		5.3	J B ^	8.6	mg/Kg	6010B
Mercury		0.12	J	0.23	mg/Kg	7471A
Ammonia		240		8.6	mg/Kg	L107-06-1B
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-6	**OC-SS-401-0.1/1.0-XXX**					
Acenaphthylene		160	J	350	ug/Kg	8270C LL
Benzo[a]anthracene		540		350	ug/Kg	8270C LL
Benzo[a]pyrene		940		350	ug/Kg	8270C LL
Benzo[b]fluoranthene		570		350	ug/Kg	8270C LL
Benzo[g,h,i]perylene		770		350	ug/Kg	8270C LL
Benzo[k]fluoranthene		660		350	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		260	J B	350	ug/Kg	8270C LL
Chrysene		730		350	ug/Kg	8270C LL
Dibenz(a,h)anthracene		500		350	ug/Kg	8270C LL
Fluoranthene		920		350	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		730	*	350	ug/Kg	8270C LL
Phenanthrene		640		430	ug/Kg	8270C LL
Pyrene		1200		350	ug/Kg	8270C LL
Aluminum		6600		3.0	mg/Kg	6010B
Arsenic		12		1.2	mg/Kg	6010B
Barium		16		0.61	mg/Kg	6010B
Beryllium		0.19	J	0.24	mg/Kg	6010B
Cadmium		0.16	J	0.24	mg/Kg	6010B
Calcium		890	B	12	mg/Kg	6010B
Chromium		11		0.61	mg/Kg	6010B
Cobalt		2.8		0.61	mg/Kg	6010B
Copper		12		1.2	mg/Kg	6010B
Iron		8800	B	6.1	mg/Kg	6010B
Lead		30		0.61	mg/Kg	6010B
Magnesium		1600	B	12	mg/Kg	6010B
Manganese		68		1.2	mg/Kg	6010B
Nickel		8.8		1.2	mg/Kg	6010B
Potassium		710		240	mg/Kg	6010B
Sodium		21	J	120	mg/Kg	6010B
Vanadium		17		1.2	mg/Kg	6010B
Zinc		19		3.0	mg/Kg	6010B
Tin		3.6	J B ^	6.1	mg/Kg	6010B
Ammonia		83		7.2	mg/Kg	L107-06-1B
Percent Moisture		6.8		1.0	%	Moisture
Percent Solids		93		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-7	**OC-SS-402-0.0/1.0-XXX**					
Benzaldehyde		290	J	440	ug/Kg	8270C LL
Benzo[b]fluoranthene		150	J	440	ug/Kg	8270C LL
Benzoic acid		900	J B	2200	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		250	J B	440	ug/Kg	8270C LL
Chrysene		160	J	440	ug/Kg	8270C LL
Fluoranthene		270	J	440	ug/Kg	8270C LL
Phenanthrene		180	J	530	ug/Kg	8270C LL
Pyrene		210	J	440	ug/Kg	8270C LL
Aluminum		12000		4.1	mg/Kg	6010B
Arsenic		8.2		1.6	mg/Kg	6010B
Barium		27		0.82	mg/Kg	6010B
Beryllium		0.32	J	0.33	mg/Kg	6010B
Cadmium		0.49		0.33	mg/Kg	6010B
Calcium		1200	B	16	mg/Kg	6010B
Chromium		15		0.82	mg/Kg	6010B
Cobalt		3.2		0.82	mg/Kg	6010B
Copper		20		1.6	mg/Kg	6010B
Iron		18000	B	8.2	mg/Kg	6010B
Lead		48		0.82	mg/Kg	6010B
Magnesium		820	B	16	mg/Kg	6010B
Manganese		60		1.6	mg/Kg	6010B
Nickel		9.6		1.6	mg/Kg	6010B
Potassium		370		330	mg/Kg	6010B
Selenium		0.99	B	0.82	mg/Kg	6010B
Silver		0.12	J	0.82	mg/Kg	6010B
Sodium		39	J	160	mg/Kg	6010B
Vanadium		44		1.6	mg/Kg	6010B
Zinc		32		4.1	mg/Kg	6010B
Tin		5.0	J B ^	8.2	mg/Kg	6010B
Mercury		0.16	J	0.25	mg/Kg	7471A
Ammonia		270		8.2	mg/Kg	L107-06-1B
Percent Moisture		25		1.0	%	Moisture
Percent Solids		75		1.0	%	Moisture
360-24582-8	**OC-SS-403-0.0/1.0-XXX**					
PCB-1260		13000		1000	ug/Kg	8082
Percent Moisture		6.4		1.0	%	Moisture
Percent Solids		94		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-9	**OC-SS-404-0.0/1.0-XXX**					
Acenaphthene		220	J	350	ug/Kg	8270C LL
Anthracene		280	J	350	ug/Kg	8270C LL
Benzo[a]anthracene		1000		350	ug/Kg	8270C LL
Benzo[a]pyrene		960		350	ug/Kg	8270C LL
Benzo[b]fluoranthene		740		350	ug/Kg	8270C LL
Benzo[g,h,i]perylene		670		350	ug/Kg	8270C LL
Benzo[k]fluoranthene		1000		350	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		2400	B	350	ug/Kg	8270C LL
Butyl benzyl phthalate		130	J	350	ug/Kg	8270C LL
Carbazole		320	J	350	ug/Kg	8270C LL
Chrysene		1100		350	ug/Kg	8270C LL
Dibenz(a,h)anthracene		390		350	ug/Kg	8270C LL
Dibenzofuran		140	J	350	ug/Kg	8270C LL
Fluoranthene		2700		350	ug/Kg	8270C LL
Fluorene		190	J	350	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		650	*	350	ug/Kg	8270C LL
Naphthalene		130	J	850	ug/Kg	8270C LL
Phenanthrene		2600		430	ug/Kg	8270C LL
Pyrene		2500		350	ug/Kg	8270C LL
PCB-1260		4800		510	ug/Kg	8082
Aluminum		5100		3.5	mg/Kg	6010B
Arsenic		3.9		1.4	mg/Kg	6010B
Barium		17		0.71	mg/Kg	6010B
Beryllium		0.23	J	0.28	mg/Kg	6010B
Cadmium		0.63		0.28	mg/Kg	6010B
Calcium		1600	B	14	mg/Kg	6010B
Chromium		13		0.71	mg/Kg	6010B
Cobalt		2.7		0.71	mg/Kg	6010B
Copper		24		1.4	mg/Kg	6010B
Iron		8600	B	7.1	mg/Kg	6010B
Lead		27		0.71	mg/Kg	6010B
Magnesium		1300	B	14	mg/Kg	6010B
Manganese		110		1.4	mg/Kg	6010B
Nickel		7.5		1.4	mg/Kg	6010B
Potassium		820		280	mg/Kg	6010B
Vanadium		11		1.4	mg/Kg	6010B
Zinc		200		3.5	mg/Kg	6010B
Tin		4.7	J B ^	7.1	mg/Kg	6010B
Mercury		0.46		0.18	mg/Kg	7471A
Ammonia		50		6.9	mg/Kg	L107-06-1B
Percent Moisture		8.2		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-10	**OC-SS-405-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		580	B	350	ug/Kg	8270C LL
Aluminum		6000		2.9	mg/Kg	6010B
Arsenic		5.0		1.2	mg/Kg	6010B
Barium		7.0		0.58	mg/Kg	6010B
Beryllium		0.16	J	0.23	mg/Kg	6010B
Cadmium		0.11	J	0.23	mg/Kg	6010B
Calcium		490	B	12	mg/Kg	6010B
Chromium		8.0		0.58	mg/Kg	6010B
Cobalt		2.3		0.58	mg/Kg	6010B
Copper		4.9		1.2	mg/Kg	6010B
Iron		6500	B	5.8	mg/Kg	6010B
Lead		10		0.58	mg/Kg	6010B
Magnesium		1000	B	12	mg/Kg	6010B
Manganese		46		1.2	mg/Kg	6010B
Nickel		6.6		1.2	mg/Kg	6010B
Potassium		670		230	mg/Kg	6010B
Vanadium		10		1.2	mg/Kg	6010B
Zinc		17		2.9	mg/Kg	6010B
Tin		2.6	J B ^	5.8	mg/Kg	6010B
Ammonia		40		6.4	mg/Kg	L107-06-1B
Percent Moisture		6.6		1.0	%	Moisture
Percent Solids		93		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-11	**OC-SS-406-0.0/1.0.-XXX**					
Benzaldehyde		410	J	440	ug/Kg	8270C LL
Benzoic acid		840	J B	2200	ug/Kg	8270C LL
Chrysene		150	J	440	ug/Kg	8270C LL
Dibenz(a,h)anthracene		280	J	440	ug/Kg	8270C LL
Fluoranthene		230	J	440	ug/Kg	8270C LL
Phenanthrene		160	J	530	ug/Kg	8270C LL
Pyrene		190	J	440	ug/Kg	8270C LL
Aluminum		14000		3.9	mg/Kg	6010B
Arsenic		6.8		1.6	mg/Kg	6010B
Barium		17		0.79	mg/Kg	6010B
Beryllium		0.27	J	0.31	mg/Kg	6010B
Cadmium		0.23	J	0.31	mg/Kg	6010B
Calcium		600	B	16	mg/Kg	6010B
Chromium		14		0.79	mg/Kg	6010B
Cobalt		2.6		0.79	mg/Kg	6010B
Copper		12		1.6	mg/Kg	6010B
Iron		13000	B	7.9	mg/Kg	6010B
Lead		33		0.79	mg/Kg	6010B
Magnesium		560	B	16	mg/Kg	6010B
Manganese		23		1.6	mg/Kg	6010B
Nickel		6.9		1.6	mg/Kg	6010B
Potassium		450		310	mg/Kg	6010B
Selenium		0.67	J B	0.79	mg/Kg	6010B
Silver		0.089	J	0.79	mg/Kg	6010B
Vanadium		30		1.6	mg/Kg	6010B
Zinc		13		3.9	mg/Kg	6010B
Tin		4.6	J B ^	7.9	mg/Kg	6010B
Mercury		0.077	J	0.25	mg/Kg	7471A
Ammonia		200		8.1	mg/Kg	L107-06-1B
Percent Moisture		25		1.0	%	Moisture
Percent Solids		75		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-12	**OC-SS-407-0.0/1.0-XXX**					
Benzo[b]fluoranthene		110	J	370	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		1400	B	370	ug/Kg	8270C LL
Chrysene		140	J	370	ug/Kg	8270C LL
Fluoranthene		210	J	370	ug/Kg	8270C LL
Pyrene		190	J	370	ug/Kg	8270C LL
Aluminum		8300		3.4	mg/Kg	6010B
Arsenic		5.0		1.4	mg/Kg	6010B
Barium		9.3		0.68	mg/Kg	6010B
Beryllium		0.21	J	0.27	mg/Kg	6010B
Cadmium		0.26	J	0.27	mg/Kg	6010B
Calcium		390	B	14	mg/Kg	6010B
Chromium		32		0.68	mg/Kg	6010B
Cobalt		1.8		0.68	mg/Kg	6010B
Copper		5.5		1.4	mg/Kg	6010B
Iron		7200	B	6.8	mg/Kg	6010B
Lead		15		0.68	mg/Kg	6010B
Magnesium		830	B	14	mg/Kg	6010B
Manganese		37		1.4	mg/Kg	6010B
Nickel		6.2		1.4	mg/Kg	6010B
Potassium		440		270	mg/Kg	6010B
Silver		0.45	J	0.68	mg/Kg	6010B
Vanadium		12		1.4	mg/Kg	6010B
Zinc		38		3.4	mg/Kg	6010B
Tin		12	B ^	6.8	mg/Kg	6010B
Ammonia		77		5.8	mg/Kg	L107-06-1B
Percent Moisture		11		1.0	%	Moisture
Percent Solids		89		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-13	**OC-SS-408-0.0/1.0-XXX**					
Benzo[a]anthracene		120	J	390	ug/Kg	8270C LL
Benzo[a]pyrene		130	J	390	ug/Kg	8270C LL
Benzo[b]fluoranthene		120	J	390	ug/Kg	8270C LL
Benzo[g,h,i]perylene		150	J	390	ug/Kg	8270C LL
Benzo[k]fluoranthene		140	J	390	ug/Kg	8270C LL
Benzoic acid		440	J B	2000	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		2500	B	390	ug/Kg	8270C LL
Chrysene		170	J	390	ug/Kg	8270C LL
Fluoranthene		240	J	390	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		160	J *	390	ug/Kg	8270C LL
N-Nitrosodiphenylamine		390	J	390	ug/Kg	8270C LL
Phenanthrene		160	J	470	ug/Kg	8270C LL
Pyrene		260	J	390	ug/Kg	8270C LL
Aluminum		6800		3.1	mg/Kg	6010B
Arsenic		7.1		1.3	mg/Kg	6010B
Barium		23		0.63	mg/Kg	6010B
Beryllium		0.25	J	0.25	mg/Kg	6010B
Cadmium		0.43		0.25	mg/Kg	6010B
Calcium		2100	B	13	mg/Kg	6010B
Chromium		82		0.63	mg/Kg	6010B
Cobalt		3.9		0.63	mg/Kg	6010B
Copper		12		1.3	mg/Kg	6010B
Iron		12000	B	6.3	mg/Kg	6010B
Lead		31		0.63	mg/Kg	6010B
Magnesium		2200	B	13	mg/Kg	6010B
Manganese		96		1.3	mg/Kg	6010B
Nickel		10		1.3	mg/Kg	6010B
Potassium		740		250	mg/Kg	6010B
Silver		1.1		0.63	mg/Kg	6010B
Sodium		25	J	130	mg/Kg	6010B
Vanadium		18		1.3	mg/Kg	6010B
Zinc		60		3.1	mg/Kg	6010B
Tin		31	B ^	6.3	mg/Kg	6010B
Mercury		0.10	J	0.21	mg/Kg	7471A
Ammonia		100		6.8	mg/Kg	L107-06-1B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-14	**OC-SS-409-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		2200	B	340	ug/Kg	8270C LL
Dibenz(a,h)anthracene		210	J	340	ug/Kg	8270C LL
N-Nitrosodiphenylamine		330	J	340	ug/Kg	8270C LL
PCB-1260		140		98	ug/Kg	8082
Aluminum		8300		3.4	mg/Kg	6010B
Arsenic		5.6		1.4	mg/Kg	6010B
Barium		29		0.68	mg/Kg	6010B
Beryllium		0.24	J	0.27	mg/Kg	6010B
Cadmium		0.41		0.27	mg/Kg	6010B
Calcium		3700	B	14	mg/Kg	6010B
Chromium		21		0.68	mg/Kg	6010B
Cobalt		6.6		0.68	mg/Kg	6010B
Copper		19		1.4	mg/Kg	6010B
Iron		16000	B	6.8	mg/Kg	6010B
Lead		14		0.68	mg/Kg	6010B
Magnesium		3400	B	14	mg/Kg	6010B
Manganese		180		1.4	mg/Kg	6010B
Nickel		15		1.4	mg/Kg	6010B
Potassium		1200		270	mg/Kg	6010B
Sodium		47	J	140	mg/Kg	6010B
Vanadium		44		1.4	mg/Kg	6010B
Zinc		120		3.4	mg/Kg	6010B
Tin		6.9	B ^	6.8	mg/Kg	6010B
Mercury		0.068	J	0.19	mg/Kg	7471A
Ammonia		36		7.1	mg/Kg	L107-06-1B
Percent Moisture		3.7		1.0	%	Moisture
Percent Solids		96		1.0	%	Moisture
360-24582-15	**OC-SS-410-0.0/1.0-XXX**					
Percent Moisture		5.1		1.0	%	Moisture
Percent Solids		95		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-16	**OC-SS-411-0.0/1.0-XXX**					
Benzoic acid		5500	J B	20000	ug/Kg	8270C LL
Aluminum		12000		7.7	mg/Kg	6010B
Arsenic		2.8	J	3.1	mg/Kg	6010B
Barium		81		1.5	mg/Kg	6010B
Beryllium		0.90		0.62	mg/Kg	6010B
Cadmium		0.50	J	0.62	mg/Kg	6010B
Calcium		1100	B	31	mg/Kg	6010B
Chromium		22		1.5	mg/Kg	6010B
Cobalt		3.5		1.5	mg/Kg	6010B
Copper		25		3.1	mg/Kg	6010B
Iron		6900	B	15	mg/Kg	6010B
Lead		25		1.5	mg/Kg	6010B
Magnesium		110	B	31	mg/Kg	6010B
Manganese		13		3.1	mg/Kg	6010B
Nickel		12		3.1	mg/Kg	6010B
Selenium		1.9	B	1.5	mg/Kg	6010B
Vanadium		18		3.1	mg/Kg	6010B
Zinc		82		7.7	mg/Kg	6010B
Tin		7.9	J B ^	15	mg/Kg	6010B
Ammonia		810		16	mg/Kg	L107-06-1B
Percent Moisture		59		1.0	%	Moisture
Percent Solids		41		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-17	**OC-SS-412-0.0/1.0-XXX**					
Benzaldehyde		250	J	360	ug/Kg	8270C LL
Benzo[a]anthracene		540		360	ug/Kg	8270C LL
Benzo[a]pyrene		570		360	ug/Kg	8270C LL
Benzo[b]fluoranthene		470		360	ug/Kg	8270C LL
Benzo[g,h,i]perylene		420		360	ug/Kg	8270C LL
Benzo[k]fluoranthene		480		360	ug/Kg	8270C LL
Benzoic acid		420	J B	1800	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		880	B	360	ug/Kg	8270C LL
Chrysene		1000		360	ug/Kg	8270C LL
Dibenz(a,h)anthracene		320	J	360	ug/Kg	8270C LL
Fluoranthene		960		360	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		320	J *	360	ug/Kg	8270C LL
Phenanthrene		410	J	430	ug/Kg	8270C LL
Pyrene		1400		360	ug/Kg	8270C LL
Aluminum		9500		3.5	mg/Kg	6010B
Arsenic		8.0		1.4	mg/Kg	6010B
Barium		46		0.69	mg/Kg	6010B
Beryllium		0.31		0.28	mg/Kg	6010B
Cadmium		0.27	J	0.28	mg/Kg	6010B
Calcium		1800	B	14	mg/Kg	6010B
Chromium		59		0.69	mg/Kg	6010B
Cobalt		6.4		0.69	mg/Kg	6010B
Copper		12		1.4	mg/Kg	6010B
Iron		15000	B	6.9	mg/Kg	6010B
Lead		11		0.69	mg/Kg	6010B
Magnesium		5100	B	14	mg/Kg	6010B
Manganese		180		1.4	mg/Kg	6010B
Nickel		23		1.4	mg/Kg	6010B
Potassium		3400		280	mg/Kg	6010B
Silver		0.55	J	0.69	mg/Kg	6010B
Sodium		33	J	140	mg/Kg	6010B
Thallium		0.16	J	1.4	mg/Kg	6010B
Vanadium		33		1.4	mg/Kg	6010B
Zinc		53		3.5	mg/Kg	6010B
Tin		21	B ^	6.9	mg/Kg	6010B
Ammonia		64		6.3	mg/Kg	L107-06-1B
Percent Moisture		8.2		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture
360-24582-18	**OC-SS-413-0.0/1.0-XXX**					
Percent Moisture		8.3		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-19	**OC-SS-414-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		2100	B	350	ug/Kg	8270C LL
Fluoranthene		120	J	350	ug/Kg	8270C LL
Pyrene		140	J	350	ug/Kg	8270C LL
Aluminum		6400		3.2	mg/Kg	6010B
Arsenic		7.8		1.3	mg/Kg	6010B
Barium		17		0.64	mg/Kg	6010B
Beryllium		0.22	J	0.26	mg/Kg	6010B
Cadmium		0.19	J	0.26	mg/Kg	6010B
Calcium		2000	B	13	mg/Kg	6010B
Chromium		14		0.64	mg/Kg	6010B
Cobalt		5.9		0.64	mg/Kg	6010B
Copper		22		1.3	mg/Kg	6010B
Iron		12000	B	6.4	mg/Kg	6010B
Lead		8.1		0.64	mg/Kg	6010B
Magnesium		2700	B	13	mg/Kg	6010B
Manganese		130		1.3	mg/Kg	6010B
Nickel		11		1.3	mg/Kg	6010B
Potassium		930		260	mg/Kg	6010B
Sodium		75	J	130	mg/Kg	6010B
Vanadium		18		1.3	mg/Kg	6010B
Zinc		21		3.2	mg/Kg	6010B
Tin		4.5	J B ^	6.4	mg/Kg	6010B
Ammonia		50		6.3	mg/Kg	L107-06-1B
Percent Moisture		6.9		1.0	%	Moisture
Percent Solids		93		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-20	**OC-SS-415-0.0/1.0-XXX**					
Benzoic acid		2000	J B	7800	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		2900	B	1600	ug/Kg	8270C LL
Aluminum		4000		7.0	mg/Kg	6010B
Arsenic		2.0	J	2.8	mg/Kg	6010B
Barium		56		1.4	mg/Kg	6010B
Beryllium		0.19	J	0.56	mg/Kg	6010B
Cadmium		1.1		0.56	mg/Kg	6010B
Calcium		13000	B	28	mg/Kg	6010B
Chromium		84		1.4	mg/Kg	6010B
Cobalt		5.9		1.4	mg/Kg	6010B
Copper		26		2.8	mg/Kg	6010B
Iron		6800	B	14	mg/Kg	6010B
Lead		80		1.4	mg/Kg	6010B
Magnesium		1100	B	28	mg/Kg	6010B
Manganese		93		2.8	mg/Kg	6010B
Nickel		9.9		2.8	mg/Kg	6010B
Potassium		380	J	560	mg/Kg	6010B
Selenium		0.65	J B	1.4	mg/Kg	6010B
Silver		1.3	J	1.4	mg/Kg	6010B
Sodium		88	J	280	mg/Kg	6010B
Vanadium		14		2.8	mg/Kg	6010B
Zinc		59		7.0	mg/Kg	6010B
Tin		34	B ^	14	mg/Kg	6010B
Ammonia		670		14	mg/Kg	L107-06-1B
Percent Moisture		57		1.0	%	Moisture
Percent Solids		43		1.0	%	Moisture
Soluble						
Chloride-Soluble		55		47	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-21	**OC-SS-416-0.0/1.0-DUP**					
Benzo[a]anthracene		410		360	ug/Kg	8270C LL
Benzo[a]pyrene		480		360	ug/Kg	8270C LL
Benzo[b]fluoranthene		640		360	ug/Kg	8270C LL
Benzo[g,h,i]perylene		240	J	360	ug/Kg	8270C LL
Benzo[k]fluoranthene		310	J	360	ug/Kg	8270C LL
Benzoic acid		500	J B	1800	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		500		360	ug/Kg	8270C LL
Chrysene		620		360	ug/Kg	8270C LL
Fluoranthene		790		360	ug/Kg	8270C LL
Fluorene		210	J	360	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		260	J	360	ug/Kg	8270C LL
Phenanthrene		210	J	430	ug/Kg	8270C LL
Pyrene		530		360	ug/Kg	8270C LL
Aluminum		5300		3.3	mg/Kg	6010B
Arsenic		4.1		1.3	mg/Kg	6010B
Barium		9.4		0.67	mg/Kg	6010B
Beryllium		0.14	J	0.27	mg/Kg	6010B
Cadmium		0.55		0.27	mg/Kg	6010B
Calcium		580	B	13	mg/Kg	6010B
Chromium		56		0.67	mg/Kg	6010B
Cobalt		2.1		0.67	mg/Kg	6010B
Copper		31		1.3	mg/Kg	6010B
Iron		7300	B	6.7	mg/Kg	6010B
Lead		13		0.67	mg/Kg	6010B
Magnesium		980	B	13	mg/Kg	6010B
Manganese		48		1.3	mg/Kg	6010B
Nickel		6.2		1.3	mg/Kg	6010B
Potassium		430		270	mg/Kg	6010B
Silver		0.94		0.67	mg/Kg	6010B
Vanadium		10		1.3	mg/Kg	6010B
Zinc		250		3.3	mg/Kg	6010B
Tin		22	B ^	6.7	mg/Kg	6010B
Mercury		0.047	J	0.15	mg/Kg	7471A
Ammonia		51		7.2	mg/Kg	L107-06-1B
Percent Moisture		8.5		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24582-22	**OC-SS-416-0.0/1.0-XXX**					
Benzo[a]anthracene		130	J	360	ug/Kg	8270C LL
Benzo[a]pyrene		170	J	360	ug/Kg	8270C LL
Benzo[b]fluoranthene		310	J	360	ug/Kg	8270C LL
Benzo[g,h,i]perylene		160	J	360	ug/Kg	8270C LL
Benzoic acid		490	J B	1800	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		550		360	ug/Kg	8270C LL
Chrysene		300	J	360	ug/Kg	8270C LL
Fluoranthene		430		360	ug/Kg	8270C LL
Fluorene		210	J	360	ug/Kg	8270C LL
Indeno[1,2,3-cd]pyrene		130	J	360	ug/Kg	8270C LL
Phenanthrene		150	J	430	ug/Kg	8270C LL
Pyrene		340	J	360	ug/Kg	8270C LL
Aluminum		5200		3.1	mg/Kg	6010B
Antimony		0.81		0.62	mg/Kg	6010B
Arsenic		4.2		1.2	mg/Kg	6010B
Barium		27		0.62	mg/Kg	6010B
Beryllium		0.16	J	0.25	mg/Kg	6010B
Cadmium		0.68		0.25	mg/Kg	6010B
Calcium		590	B	12	mg/Kg	6010B
Chromium		57		0.62	mg/Kg	6010B
Cobalt		2.0		0.62	mg/Kg	6010B
Copper		32		1.2	mg/Kg	6010B
Iron		8800	B	6.2	mg/Kg	6010B
Lead		26		0.62	mg/Kg	6010B
Magnesium		910	B	12	mg/Kg	6010B
Manganese		53		1.2	mg/Kg	6010B
Nickel		7.3		1.2	mg/Kg	6010B
Potassium		440		250	mg/Kg	6010B
Silver		0.88		0.62	mg/Kg	6010B
Vanadium		9.9		1.2	mg/Kg	6010B
Zinc		280		3.1	mg/Kg	6010B
Tin		22	B ^	6.2	mg/Kg	6010B
Mercury		0.17	J	0.18	mg/Kg	7471A
Ammonia		41		6.7	mg/Kg	L107-06-1B
Percent Moisture		8.8		1.0	%	Moisture
Percent Solids		91		1.0	%	Moisture
360-24582-24	**OC-SS-416-0.0/1.0-DUP**					
Chromium (hexavalent)		6.4		2.8	mg/Kg	7199
pH		6.24			SU	9045C
Percent Moisture		27		1.0	%	Moisture
Percent Solids		73		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		520			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-24582-25	**OC-SS-416-0.0/1.0-XXX**				
Chromium (hexavalent)		7.3	2.2	mg/Kg	7199
pH		6.38		SU	9045C
Percent Moisture		8.4	1.0	%	Moisture
Percent Solids		92	1.0	%	Moisture
Soluble					
Oxidation Reduction Potential-Soluble		290		millivolts	SM 2580B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Ultrasonic Extraction	TAL WFD		SW846 3550B
Microwave Extraction	TAL WFD		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Microwave Extraction	TAL WFD		SW846 3546
Carbonyl Compounds (HPLC)	TAL TAL	SW846 8315A	
Extraction (Carbonyl Compounds)	TAL TAL		SW846 8315_S_Prep
Maleic and Phthalic Acid (DAI/HLPC)	TAL TAL	TAL-TALL LC65	
Extraction (Maleic and Phthalic Acids)	TAL TAL		TAL-TALL LC65
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach
Chromium, Hexavalent (IC)	TAL EDI	SW846 7199	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
pH	TAL EDI	SW846 9045C	
Nitrogen Ammonia	TAL WFD	LACHAT L107-06-1B	
Distillation, Ammonia	TAL WFD		Distill/Ammonia
Percent Moisture	TAL EDI	EPA Moisture	
Percent Moisture	TAL WFD	EPA Moisture	
Reduction-Oxidation (REDOX) Potential	TAL EDI	SM SM 2580B	
Deionized Water Leaching Procedure	TAL EDI		ASTM DI Leach
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Carbonyl Compounds (HPLC)	TAL TAL	SW846 8315A	
Solid-Phase Extraction (SPE)	TAL TAL		SW846 8315_W_Prep
Maleic and Phthalic Acid (DAI/HLPC)	TAL TAL	TAL-TALL LC65	
Extraction (Maleic and Phthalic Acids)	TAL TAL		TAL-TALL LC65
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Mercury (CVAA)	TAL WFD	SW846 7470A	

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Preparation, Mercury	TAL WFD		SW846 7470A
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
Nitrogen Ammonia	TAL WFD	LACHAT L107-06-1B	
Distillation, Ammonia	TAL WFD		Distill/Ammonia

Lab References:

TAL EDI = TestAmerica Edison

TAL TAL = TestAmerica Tallahassee

TAL WFD = TestAmerica Westfield

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

LACHAT = LACHAT

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

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

TAL-TALL = TestAmerica Laboratories, Tallahassee, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method	Analyst	Analyst ID
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8260B	Tester, Carla	CT
SW846 8270C LL	Rachtan, Karolina	KR
SW846 8270C LL	Sullivan, Pat J	PJS
SW846 8315A	Driver, Robert	RD
TAL-TALL LC65	Driver, Robert	RD
SW846 8082	Zuccala, Marissa	MZ
SW846 6010B	Nasiatka, Ellen M	EMN
SW846 6010B	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN
SW846 7471A	Nasiatka, Ellen M	EMN
MCAWW 300.0	Lalashius, Andrew L	ALL
SW846 7199	Earomirski, Laura	LE
SW846 9045C	Cabanganan, Maria	MB
LACHAT L107-06-1B	Lalashius, Andrew L	ALL
EPA Moisture	Abrams, Stacey	sa
EPA Moisture	Burton, Teresa F	TFB
SM SM 2580B	Cabanganan, Maria	MB

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046		Lab File ID:	V45058.D
Dilution:	1.0			Initial Weight/Volume:	7.74 g
Date Analyzed:	09/16/2009 2034			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.83	2.1
1,1,1-Trichloroethane		ND		0.83	2.1
1,1,2,2-Tetrachloroethane		ND		0.83	2.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.83	10
1,1,2-Trichloroethane		ND		0.83	2.1
1,1-Dichloroethane		ND		0.83	2.1
1,1-Dichloroethene		ND		0.83	2.1
1,1-Dichloropropene		ND		0.83	2.1
1,2,3-Trichlorobenzene		ND		0.83	2.1
1,2,3-Trichloropropane		ND		1.2	2.1
1,2,4-Trichlorobenzene		ND		0.83	2.1
1,2,4-Trimethylbenzene		ND		0.83	2.1
1,2-Dibromo-3-Chloropropane		ND		1.5	21
Ethylene Dibromide		ND		0.83	2.1
1,2-Dichlorobenzene		ND		0.83	2.1
1,2-Dichloroethane		ND		0.83	2.1
Acetone		ND		15	210
1,2-Dichloropropane		ND		0.83	2.1
1,3,5-Trimethylbenzene		ND		0.83	2.1
1,3-Dichlorobenzene		ND		0.83	2.1
1,3-Dichloropropane		ND		0.83	2.1
1,4-Dichlorobenzene		ND		0.83	2.1
1,4-Dioxane		ND		27	210
2,2-Dichloropropane		ND	*	0.83	2.1
2,4,4-Trimethyl-1-pentene		ND		0.83	4.1
2,4,4-Trimethyl-2-pentene		ND		0.83	4.1
2-Chlorotoluene		ND		0.83	2.1
2-Hexanone		ND		4.3	21
4-Chlorotoluene		ND		0.83	2.1
Benzene		ND		0.83	2.1
Bromobenzene		ND		0.83	2.1
Chlorobromomethane		ND		0.83	2.1
Dichlorobromomethane		ND		0.83	2.1
Bromoform		ND		0.83	2.1
Bromomethane		ND		0.83	4.1
n-Butylbenzene		ND		0.83	2.1
Carbon disulfide		ND		0.83	2.1
Carbon tetrachloride		ND		0.83	2.1
Chlorobenzene		ND		0.83	2.1
Chloroethane		ND		0.83	4.1
Chloroform		ND		0.83	2.1
Chloromethane		ND		0.83	4.1
cis-1,2-Dichloroethene		ND		0.83	2.1
cis-1,3-Dichloropropene		ND		0.83	2.1
Cyclohexane		ND		2.1	21
Chlorodibromomethane		ND		0.83	2.1

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046		Lab File ID:	V45058.D
Dilution:	1.0			Initial Weight/Volume:	7.74 g
Date Analyzed:	09/16/2009 2034			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.83	2.1
Dichlorodifluoromethane		ND	*	0.83	4.1
Ethyl ether		ND		0.83	2.1
Isopropyl ether		ND		0.83	2.1
Tert-butyl ethyl ether		ND		2.1	2.1
Ethylbenzene		ND		0.83	2.1
Hexachlorobutadiene		ND		0.83	2.1
Isopropylbenzene		ND		0.83	2.1
Methyl acetate		ND		13	41
2-Butanone (MEK)		ND		5.6	21
4-Methyl-2-pentanone (MIBK)		ND		4.3	21
Methyl tert-butyl ether		ND		0.83	2.1
Methylcyclohexane		ND		0.83	2.1
Methylene Chloride		ND		4.0	8.3
m-Xylene & p-Xylene		ND		0.83	4.1
Naphthalene		ND		0.83	21
N-Propylbenzene		ND		0.83	2.1
o-Xylene		ND		0.83	2.1
4-Isopropyltoluene		ND		0.83	2.1
sec-Butylbenzene		ND		0.83	2.1
Styrene		ND		0.83	2.1
Tert-amyl methyl ether		ND		0.83	2.1
tert-Butylbenzene		ND		0.83	2.1
Tetrachloroethene		ND		0.83	2.1
Tetrahydrofuran		ND		4.6	21
Toluene		ND		0.83	2.1
trans-1,2-Dichloroethene		ND		0.83	2.1
trans-1,3-Dichloropropene		ND		0.83	2.1
Trichloroethene		ND		0.83	2.1
Trichlorofluoromethane		ND		0.83	4.1
Vinyl chloride		ND		0.83	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046		Lab File ID:	V45058.D
Dilution:	1.0			Initial Weight/Volume:	7.74 g
Date Analyzed:	09/16/2009 2034			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
115-11-7	1-Propene, 2-methyl-	1.85	10	T J N
	Unknown	10.36	3.1	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-018**

Lab Sample ID: 360-24582-2
Client Matrix: Solid

Date Sampled: 09/14/2009 1415
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046		Lab File ID:	V45059.D
Dilution:	1.0			Initial Weight/Volume:	5.0 g
Date Analyzed:	09/16/2009 2058			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND	*	1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-018**

Lab Sample ID: 360-24582-2
Client Matrix: Solid

Date Sampled: 09/14/2009 1415
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046		Lab File ID:	V45059.D
Dilution:	1.0			Initial Weight/Volume:	5.0 g
Date Analyzed:	09/16/2009 2058			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		ND		5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-018**

Lab Sample ID: 360-24582-2
Client Matrix: Solid

Date Sampled: 09/14/2009 1415
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49049	Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49046	Lab File ID:	V45059.D
Dilution:	1.0		Initial Weight/Volume:	5.0 g
Date Analyzed:	09/16/2009 2058		Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532			

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.61	5.0	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49119	Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B		Lab File ID:	V06983.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2038		Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 2038			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2,2-Tetrachloroethane	ND		0.58	0.50
1,1,1,2-Tetrachloroethane	ND		0.61	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.63	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,1-Dichloropropene	ND		0.68	1.0
1,2,3-Trichlorobenzene	ND		0.42	1.0
1,2,3-Trichloropropane	ND		0.65	1.0
1,2,4-Trichlorobenzene	ND		0.34	1.0
1,2,4-Trimethylbenzene	ND		0.70	1.0
1,2-Dibromo-3-Chloropropane	ND	*	0.58	5.0
Ethylene Dibromide	ND		0.54	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,2-Dichloropropane	ND		0.51	1.0
1,3,5-Trimethylbenzene	ND		0.66	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,3-Dichloropropane	ND		0.57	1.0
1,4-Dichlorobenzene	ND		0.62	1.0
1,4-Dioxane	ND	*	7.7	50
2,2-Dichloropropane	ND	*	0.60	1.0
2,4,4-Trimethyl-1-pentene	ND		0.81	1.0
2,4,4-Trimethyl-2-pentene	ND		0.50	1.0
2-Chlorotoluene	ND		0.65	1.0
2-Hexanone	ND		7.3	10
4-Chlorotoluene	ND		0.62	1.0
Acetone	ND		20	50
Benzene	ND		0.74	1.0
Bromobenzene	ND		0.64	1.0
Chlorobromomethane	ND		0.78	1.0
Dichlorobromomethane	ND		0.63	1.0
Bromoform	ND		0.60	1.0
Bromomethane	ND		0.28	2.0
n-Butylbenzene	ND		0.59	1.0
Carbon disulfide	ND		0.62	10
Carbon tetrachloride	ND		0.71	1.0
Chlorobenzene	ND		0.65	1.0
Chloroethane	ND		0.40	2.0
Chloroform	1.0	J	0.66	1.0
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.65	1.0
cis-1,3-Dichloropropene	ND		0.40	0.40
Cyclohexane	ND		2.8	10
Chlorodibromomethane	ND		0.50	0.50

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49119	Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B		Lab File ID:	V06983.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2038		Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 2038			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	ND		0.65	1.0
Dichlorodifluoromethane	ND	*	0.24	1.0
Ethyl ether	ND		0.63	10
Isopropyl ether	ND		0.62	10
Tert-butyl ethyl ether	ND		0.67	5.0
Ethylbenzene	ND		0.67	1.0
Hexachlorobutadiene	ND		0.40	0.40
Isopropylbenzene	ND		0.57	1.0
Methyl acetate	ND		16	10
2-Butanone (MEK)	ND	*	10	10
4-Methyl-2-pentanone (MIBK)	ND		8.5	10
Methyl tert-butyl ether	ND		0.63	1.0
Methylcyclohexane	ND		1.0	10
Methylene Chloride	ND		1.0	2.0
m-Xylene & p-Xylene	ND		1.4	2.0
Naphthalene	ND		2.0	5.0
N-Propylbenzene	ND		0.70	1.0
o-Xylene	ND		0.54	1.0
4-Isopropyltoluene	ND		0.59	1.0
sec-Butylbenzene	ND		0.67	1.0
Styrene	ND		0.60	1.0
Tert-amyl methyl ether	ND		0.61	5.0
tert-Butylbenzene	ND		0.61	1.0
Tetrachloroethene	ND		0.48	1.0
Tetrahydrofuran	ND		8.0	10
Toluene	ND		0.56	1.0
trans-1,2-Dichloroethene	ND		0.60	1.0
trans-1,3-Dichloropropene	ND		0.40	0.40
Trichloroethene	ND		0.59	1.0
Trichlorofluoromethane	ND		0.31	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		70 - 130
Dibromofluoromethane	127		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49119	Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B		Lab File ID:	V06983.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2038		Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 2038			

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
115-7-1	Propene	1.68	3.4	T J N
	Unknown	3.21	1.5	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45092.D
Dilution:	1.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/17/2009 1526			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.9	4.8
1,1,1-Trichloroethane		ND		1.9	4.8
1,1,2,2-Tetrachloroethane		ND		1.9	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.9	24
1,1,2-Trichloroethane		ND		1.9	4.8
1,1-Dichloroethane		ND		1.9	4.8
1,1-Dichloroethene		ND		1.9	4.8
1,1-Dichloropropene		ND		1.9	4.8
1,2,3-Trichlorobenzene		ND		1.9	4.8
1,2,3-Trichloropropane		ND		2.8	4.8
1,2,4-Trichlorobenzene		ND		1.9	4.8
1,2,4-Trimethylbenzene		ND		1.9	4.8
1,2-Dibromo-3-Chloropropane		ND		3.5	48
Ethylene Dibromide		ND		1.9	4.8
1,2-Dichlorobenzene		ND		1.9	4.8
1,2-Dichloroethane		ND		1.9	4.8
Acetone		ND		34	480
1,2-Dichloropropane		ND		1.9	4.8
1,3,5-Trimethylbenzene		ND		1.9	4.8
1,3-Dichlorobenzene		ND		1.9	4.8
1,3-Dichloropropane		ND		1.9	4.8
1,4-Dichlorobenzene		ND		1.9	4.8
1,4-Dioxane		ND		63	480
2,2-Dichloropropane		ND		1.9	4.8
2,4,4-Trimethyl-1-pentene		ND		1.9	9.6
2,4,4-Trimethyl-2-pentene		ND		1.9	9.6
2-Chlorotoluene		ND		1.9	4.8
2-Hexanone		ND		9.9	48
4-Chlorotoluene		ND		1.9	4.8
Benzene		ND		1.9	4.8
Bromobenzene		ND		1.9	4.8
Chlorobromomethane		ND		1.9	4.8
Dichlorobromomethane		ND		1.9	4.8
Bromoform		ND		1.9	4.8
Bromomethane		ND		1.9	9.6
n-Butylbenzene		ND		1.9	4.8
Carbon disulfide		ND		1.9	4.8
Carbon tetrachloride		ND		1.9	4.8
Chlorobenzene		ND		1.9	4.8
Chloroethane		ND		1.9	9.6
Chloroform		ND		1.9	4.8
Chloromethane		ND		1.9	9.6
cis-1,2-Dichloroethene		ND		1.9	4.8
cis-1,3-Dichloropropene		ND		1.9	4.8
Cyclohexane		ND		5.0	48
Chlorodibromomethane		ND		1.9	4.8

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45092.D
Dilution:	1.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/17/2009 1526			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.9	4.8
Dichlorodifluoromethane		ND	*	1.9	9.6
Ethyl ether		ND		1.9	4.8
Isopropyl ether		ND		1.9	4.8
Tert-butyl ethyl ether		ND		4.8	4.8
Ethylbenzene		ND		1.9	4.8
Hexachlorobutadiene		ND		1.9	4.8
Isopropylbenzene		ND		1.9	4.8
Methyl acetate		ND		31	96
2-Butanone (MEK)		ND		13	48
4-Methyl-2-pentanone (MIBK)		ND		9.9	48
Methyl tert-butyl ether		ND		1.9	4.8
Methylcyclohexane		ND		1.9	4.8
Methylene Chloride		ND		9.3	19
m-Xylene & p-Xylene		ND		1.9	9.6
Naphthalene		ND		1.9	48
N-Propylbenzene		ND		1.9	4.8
o-Xylene		ND		1.9	4.8
4-Isopropyltoluene		ND		1.9	4.8
sec-Butylbenzene		ND		1.9	4.8
Styrene		ND		1.9	4.8
Tert-amyl methyl ether		ND		1.9	4.8
tert-Butylbenzene		ND		1.9	4.8
Tetrachloroethene		ND		1.9	4.8
Tetrahydrofuran		ND		11	48
Toluene		ND		1.9	4.8
trans-1,2-Dichloroethene		ND		1.9	4.8
trans-1,3-Dichloropropene		ND		1.9	4.8
Trichloroethene		ND		1.9	4.8
Trichlorofluoromethane		ND		1.9	9.6
Vinyl chloride		ND		1.9	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45092.D
Dilution:	1.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/17/2009 1526			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	4.1	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45093.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1609			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45093.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1609			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		ND		5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45093.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1609			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
7785-70-8	1R-.alpha.-Pinene	8.88	14	T J N
	Unknown	10.04	9.8	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45094.D
Dilution:	1.0			Initial Weight/Volume:	3.23 g
Date Analyzed:	09/17/2009 1633			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		2.1	5.2
1,1,1-Trichloroethane		ND		2.1	5.2
1,1,2,2-Tetrachloroethane		ND		2.1	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	26
1,1,2-Trichloroethane		ND		2.1	5.2
1,1-Dichloroethane		ND		2.1	5.2
1,1-Dichloroethene		ND		2.1	5.2
1,1-Dichloropropene		ND		2.1	5.2
1,2,3-Trichlorobenzene		ND		2.1	5.2
1,2,3-Trichloropropane		ND		3.0	5.2
1,2,4-Trichlorobenzene		ND		2.1	5.2
1,2,4-Trimethylbenzene		ND		2.1	5.2
1,2-Dibromo-3-Chloropropane		ND		3.7	52
Ethylene Dibromide		ND		2.1	5.2
1,2-Dichlorobenzene		ND		2.1	5.2
1,2-Dichloroethane		ND		2.1	5.2
Acetone		ND		37	520
1,2-Dichloropropane		ND		2.1	5.2
1,3,5-Trimethylbenzene		ND		2.1	5.2
1,3-Dichlorobenzene		ND		2.1	5.2
1,3-Dichloropropane		ND		2.1	5.2
1,4-Dichlorobenzene		ND		2.1	5.2
1,4-Dioxane		ND		68	520
2,2-Dichloropropane		ND		2.1	5.2
2,4,4-Trimethyl-1-pentene		ND		2.1	10
2,4,4-Trimethyl-2-pentene		ND		2.1	10
2-Chlorotoluene		ND		2.1	5.2
2-Hexanone		ND		11	52
4-Chlorotoluene		ND		2.1	5.2
Benzene		ND		2.1	5.2
Bromobenzene		ND		2.1	5.2
Chlorobromomethane		ND		2.1	5.2
Dichlorobromomethane		ND		2.1	5.2
Bromoform		ND		2.1	5.2
Bromomethane		ND		2.1	10
n-Butylbenzene		ND		2.1	5.2
Carbon disulfide		ND		2.1	5.2
Carbon tetrachloride		ND		2.1	5.2
Chlorobenzene		ND		2.1	5.2
Chloroethane		ND		2.1	10
Chloroform		ND		2.1	5.2
Chloromethane		ND		2.1	10
cis-1,2-Dichloroethene		ND		2.1	5.2
cis-1,3-Dichloropropene		ND		2.1	5.2
Cyclohexane		ND		5.3	52
Chlorodibromomethane		ND		2.1	5.2

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45094.D
Dilution:	1.0			Initial Weight/Volume:	3.23 g
Date Analyzed:	09/17/2009 1633			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		2.1	5.2
Dichlorodifluoromethane		ND	*	2.1	10
Ethyl ether		ND		2.1	5.2
Isopropyl ether		ND		2.1	5.2
Tert-butyl ethyl ether		ND		5.2	5.2
Ethylbenzene		ND		2.1	5.2
Hexachlorobutadiene		ND		2.1	5.2
Isopropylbenzene		ND		2.1	5.2
Methyl acetate		ND		34	100
2-Butanone (MEK)		ND		14	52
4-Methyl-2-pentanone (MIBK)		ND		11	52
Methyl tert-butyl ether		ND		2.1	5.2
Methylcyclohexane		ND		2.1	5.2
Methylene Chloride		ND		10	21
m-Xylene & p-Xylene		ND		2.1	10
Naphthalene		ND		2.1	52
N-Propylbenzene		ND		2.1	5.2
o-Xylene		ND		2.1	5.2
4-Isopropyltoluene		ND		2.1	5.2
sec-Butylbenzene		ND		2.1	5.2
Styrene		ND		2.1	5.2
Tert-amyl methyl ether		ND		2.1	5.2
tert-Butylbenzene		ND		2.1	5.2
Tetrachloroethene		ND		2.1	5.2
Tetrahydrofuran		ND		11	52
Toluene		ND		2.1	5.2
trans-1,2-Dichloroethene		ND		2.1	5.2
trans-1,3-Dichloropropene		ND		2.1	5.2
Trichloroethene		ND		2.1	5.2
Trichlorofluoromethane		ND		2.1	10
Vinyl chloride		ND		2.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45094.D
Dilution:	1.0			Initial Weight/Volume:	3.23 g
Date Analyzed:	09/17/2009 1633			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.61	15	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45095.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Date Analyzed:	09/17/2009 1657			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.7
1,1,1-Trichloroethane		ND		1.1	2.7
1,1,2,2-Tetrachloroethane		ND		1.1	2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.7
1,1-Dichloroethane		ND		1.1	2.7
1,1-Dichloroethene		ND		1.1	2.7
1,1-Dichloropropene		ND		1.1	2.7
1,2,3-Trichlorobenzene		ND		1.1	2.7
1,2,3-Trichloropropane		ND		1.6	2.7
1,2,4-Trichlorobenzene		ND		1.1	2.7
1,2,4-Trimethylbenzene		ND		1.1	2.7
1,2-Dibromo-3-Chloropropane		ND		1.9	27
Ethylene Dibromide		ND		1.1	2.7
1,2-Dichlorobenzene		ND		1.1	2.7
1,2-Dichloroethane		ND		1.1	2.7
Acetone		ND		19	270
1,2-Dichloropropane		ND		1.1	2.7
1,3,5-Trimethylbenzene		ND		1.1	2.7
1,3-Dichlorobenzene		ND		1.1	2.7
1,3-Dichloropropane		ND		1.1	2.7
1,4-Dichlorobenzene		ND		1.1	2.7
1,4-Dioxane		ND		35	270
2,2-Dichloropropane		ND		1.1	2.7
2,4,4-Trimethyl-1-pentene		ND		1.1	5.4
2,4,4-Trimethyl-2-pentene		ND		1.1	5.4
2-Chlorotoluene		ND		1.1	2.7
2-Hexanone		ND		5.5	27
4-Chlorotoluene		ND		1.1	2.7
Benzene		ND		1.1	2.7
Bromobenzene		ND		1.1	2.7
Chlorobromomethane		ND		1.1	2.7
Dichlorobromomethane		ND		1.1	2.7
Bromoform		ND		1.1	2.7
Bromomethane		ND		1.1	5.4
n-Butylbenzene		ND		1.1	2.7
Carbon disulfide		ND		1.1	2.7
Carbon tetrachloride		ND		1.1	2.7
Chlorobenzene		ND		1.1	2.7
Chloroethane		ND		1.1	5.4
Chloroform		ND		1.1	2.7
Chloromethane		ND		1.1	5.4
cis-1,2-Dichloroethene		ND		1.1	2.7
cis-1,3-Dichloropropene		ND		1.1	2.7
Cyclohexane		ND		2.8	27
Chlorodibromomethane		ND		1.1	2.7

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45095.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Date Analyzed:	09/17/2009 1657			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.7
Dichlorodifluoromethane		ND	*	1.1	5.4
Ethyl ether		ND		1.1	2.7
Isopropyl ether		ND		1.1	2.7
Tert-butyl ethyl ether		ND		2.7	2.7
Ethylbenzene		ND		1.1	2.7
Hexachlorobutadiene		ND		1.1	2.7
Isopropylbenzene		ND		1.1	2.7
Methyl acetate		ND		17	54
2-Butanone (MEK)		ND		7.2	27
4-Methyl-2-pentanone (MIBK)		ND		5.5	27
Methyl tert-butyl ether		ND		1.1	2.7
Methylcyclohexane		ND		1.1	2.7
Methylene Chloride		ND		5.2	11
m-Xylene & p-Xylene		ND		1.1	5.4
Naphthalene		ND		1.1	27
N-Propylbenzene		ND		1.1	2.7
o-Xylene		ND		1.1	2.7
4-Isopropyltoluene		ND		1.1	2.7
sec-Butylbenzene		ND		1.1	2.7
Styrene		ND		1.1	2.7
Tert-amyl methyl ether		ND		1.1	2.7
tert-Butylbenzene		ND		1.1	2.7
Tetrachloroethene		ND		1.1	2.7
Tetrahydrofuran		ND		5.9	27
Toluene		ND		1.1	2.7
trans-1,2-Dichloroethene		ND		1.1	2.7
trans-1,3-Dichloropropene		ND		1.1	2.7
Trichloroethene		ND		1.1	2.7
Trichlorofluoromethane		ND		1.1	5.4
Vinyl chloride		ND		1.1	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45095.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Date Analyzed:	09/17/2009 1657			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	2.3	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45096.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1720			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45096.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1720			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.1	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		ND		5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45096.D
Dilution:	1.0			Initial Weight/Volume:	5.37 g
Date Analyzed:	09/17/2009 1720			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	4.4	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45097.D
Dilution:	1.0			Initial Weight/Volume:	4.48 g
Date Analyzed:	09/17/2009 1744			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.5	3.7
1,1,1-Trichloroethane		ND		1.5	3.7
1,1,2,2-Tetrachloroethane		ND		1.5	3.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	19
1,1,2-Trichloroethane		ND		1.5	3.7
1,1-Dichloroethane		ND		1.5	3.7
1,1-Dichloroethene		ND		1.5	3.7
1,1-Dichloropropene		ND		1.5	3.7
1,2,3-Trichlorobenzene		ND		1.5	3.7
1,2,3-Trichloropropane		ND		2.2	3.7
1,2,4-Trichlorobenzene		ND		1.5	3.7
1,2,4-Trimethylbenzene		ND		1.5	3.7
1,2-Dibromo-3-Chloropropane		ND		2.7	37
Ethylene Dibromide		ND		1.5	3.7
1,2-Dichlorobenzene		ND		1.5	3.7
1,2-Dichloroethane		ND		1.5	3.7
Acetone		ND		27	370
1,2-Dichloropropane		ND		1.5	3.7
1,3,5-Trimethylbenzene		ND		1.5	3.7
1,3-Dichlorobenzene		ND		1.5	3.7
1,3-Dichloropropane		ND		1.5	3.7
1,4-Dichlorobenzene		ND		1.5	3.7
1,4-Dioxane		ND		49	370
2,2-Dichloropropane		ND		1.5	3.7
2,4,4-Trimethyl-1-pentene		ND		1.5	7.5
2,4,4-Trimethyl-2-pentene		ND		1.5	7.5
2-Chlorotoluene		ND		1.5	3.7
2-Hexanone		ND		7.7	37
4-Chlorotoluene		ND		1.5	3.7
Benzene		ND		1.5	3.7
Bromobenzene		ND		1.5	3.7
Chlorobromomethane		ND		1.5	3.7
Dichlorobromomethane		ND		1.5	3.7
Bromoform		ND		1.5	3.7
Bromomethane		ND		1.5	7.5
n-Butylbenzene		ND		1.5	3.7
Carbon disulfide		ND		1.5	3.7
Carbon tetrachloride		ND		1.5	3.7
Chlorobenzene		ND		1.5	3.7
Chloroethane		ND		1.5	7.5
Chloroform		ND		1.5	3.7
Chloromethane		ND		1.5	7.5
cis-1,2-Dichloroethene		ND		1.5	3.7
cis-1,3-Dichloropropene		ND		1.5	3.7
Cyclohexane		ND		3.8	37
Chlorodibromomethane		ND		1.5	3.7

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45097.D
Dilution:	1.0			Initial Weight/Volume:	4.48 g
Date Analyzed:	09/17/2009 1744			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.5	3.7
Dichlorodifluoromethane		ND	*	1.5	7.5
Ethyl ether		ND		1.5	3.7
Isopropyl ether		ND		1.5	3.7
Tert-butyl ethyl ether		ND		3.7	3.7
Ethylbenzene		ND		1.5	3.7
Hexachlorobutadiene		ND		1.5	3.7
Isopropylbenzene		ND		1.5	3.7
Methyl acetate		ND		24	75
2-Butanone (MEK)		ND		10	37
4-Methyl-2-pentanone (MIBK)		ND		7.7	37
Methyl tert-butyl ether		ND		1.5	3.7
Methylcyclohexane		ND		1.5	3.7
Methylene Chloride		ND		7.2	15
m-Xylene & p-Xylene		ND		1.5	7.5
Naphthalene		ND		1.5	37
N-Propylbenzene		ND		1.5	3.7
o-Xylene		ND		1.5	3.7
4-Isopropyltoluene		ND		1.5	3.7
sec-Butylbenzene		ND		1.5	3.7
Styrene		ND		1.5	3.7
Tert-amyl methyl ether		ND		1.5	3.7
tert-Butylbenzene		ND		1.5	3.7
Tetrachloroethene		ND		1.5	3.7
Tetrahydrofuran		ND		8.2	37
Toluene		ND		1.5	3.7
trans-1,2-Dichloroethene		ND		1.5	3.7
trans-1,3-Dichloropropene		ND		1.5	3.7
Trichloroethene		ND		1.5	3.7
Trichlorofluoromethane		ND		1.5	7.5
Vinyl chloride		ND		1.5	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45097.D
Dilution:	1.0			Initial Weight/Volume:	4.48 g
Date Analyzed:	09/17/2009 1744			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	4.2	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45098.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/17/2009 1807			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.5	3.7
1,1,1-Trichloroethane		ND		1.5	3.7
1,1,2,2-Tetrachloroethane		ND		1.5	3.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	19
1,1,2-Trichloroethane		ND		1.5	3.7
1,1-Dichloroethane		ND		1.5	3.7
1,1-Dichloroethene		ND		1.5	3.7
1,1-Dichloropropene		ND		1.5	3.7
1,2,3-Trichlorobenzene		ND		1.5	3.7
1,2,3-Trichloropropane		ND		2.2	3.7
1,2,4-Trichlorobenzene		ND		1.5	3.7
1,2,4-Trimethylbenzene		ND		1.5	3.7
1,2-Dibromo-3-Chloropropane		ND		2.7	37
Ethylene Dibromide		ND		1.5	3.7
1,2-Dichlorobenzene		ND		1.5	3.7
1,2-Dichloroethane		ND		1.5	3.7
Acetone		ND		27	370
1,2-Dichloropropane		ND		1.5	3.7
1,3,5-Trimethylbenzene		ND		1.5	3.7
1,3-Dichlorobenzene		ND		1.5	3.7
1,3-Dichloropropane		ND		1.5	3.7
1,4-Dichlorobenzene		ND		1.5	3.7
1,4-Dioxane		ND		49	370
2,2-Dichloropropane		ND		1.5	3.7
2,4,4-Trimethyl-1-pentene		ND		1.5	7.4
2,4,4-Trimethyl-2-pentene		ND		1.5	7.4
2-Chlorotoluene		ND		1.5	3.7
2-Hexanone		ND		7.6	37
4-Chlorotoluene		ND		1.5	3.7
Benzene		ND		1.5	3.7
Bromobenzene		ND		1.5	3.7
Chlorobromomethane		ND		1.5	3.7
Dichlorobromomethane		ND		1.5	3.7
Bromoform		ND		1.5	3.7
Bromomethane		ND		1.5	7.4
n-Butylbenzene		ND		1.5	3.7
Carbon disulfide		ND		1.5	3.7
Carbon tetrachloride		ND		1.5	3.7
Chlorobenzene		ND		1.5	3.7
Chloroethane		ND		1.5	7.4
Chloroform		ND		1.5	3.7
Chloromethane		ND		1.5	7.4
cis-1,2-Dichloroethene		ND		1.5	3.7
cis-1,3-Dichloropropene		ND		1.5	3.7
Cyclohexane		ND		3.8	37
Chlorodibromomethane		ND		1.5	3.7

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45098.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/17/2009 1807			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.5	3.7
Dichlorodifluoromethane		ND	*	1.5	7.4
Ethyl ether		ND		1.5	3.7
Isopropyl ether		ND		1.5	3.7
Tert-butyl ethyl ether		ND		3.7	3.7
Ethylbenzene		ND		1.5	3.7
Hexachlorobutadiene		ND		1.5	3.7
Isopropylbenzene		ND		1.5	3.7
Methyl acetate		ND		24	74
2-Butanone (MEK)		ND		10	37
4-Methyl-2-pentanone (MIBK)		ND		7.6	37
Methyl tert-butyl ether		ND		1.5	3.7
Methylcyclohexane		ND		1.5	3.7
Methylene Chloride		ND		7.2	15
m-Xylene & p-Xylene		ND		1.5	7.4
Naphthalene		ND		1.5	37
N-Propylbenzene		ND		1.5	3.7
o-Xylene		ND		1.5	3.7
4-Isopropyltoluene		ND		1.5	3.7
sec-Butylbenzene		ND		1.5	3.7
Styrene		ND		1.5	3.7
Tert-amyl methyl ether		ND		1.5	3.7
tert-Butylbenzene		ND		1.5	3.7
Tetrachloroethene		ND		1.5	3.7
Tetrahydrofuran		ND		8.1	37
Toluene		ND		1.5	3.7
trans-1,2-Dichloroethene		ND		1.5	3.7
trans-1,3-Dichloropropene		ND		1.5	3.7
Trichloroethene		ND		1.5	3.7
Trichlorofluoromethane		ND		1.5	7.4
Vinyl chloride		ND		1.5	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45098.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/17/2009 1807			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	3.4	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45099.D
Dilution:	1.0			Initial Weight/Volume:	6.18 g
Date Analyzed:	09/17/2009 1830			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.96	2.4
1,1,1-Trichloroethane		ND		0.96	2.4
1,1,2,2-Tetrachloroethane		ND		0.96	2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.96	12
1,1,2-Trichloroethane		ND		0.96	2.4
1,1-Dichloroethane		ND		0.96	2.4
1,1-Dichloroethene		ND		0.96	2.4
1,1-Dichloropropene		ND		0.96	2.4
1,2,3-Trichlorobenzene		ND		0.96	2.4
1,2,3-Trichloropropane		ND		1.4	2.4
1,2,4-Trichlorobenzene		ND		0.96	2.4
1,2,4-Trimethylbenzene		ND		0.96	2.4
1,2-Dibromo-3-Chloropropane		ND		1.7	24
Ethylene Dibromide		ND		0.96	2.4
1,2-Dichlorobenzene		ND		0.96	2.4
1,2-Dichloroethane		ND		0.96	2.4
Acetone		ND		17	240
1,2-Dichloropropane		ND		0.96	2.4
1,3,5-Trimethylbenzene		ND		0.96	2.4
1,3-Dichlorobenzene		ND		0.96	2.4
1,3-Dichloropropane		ND		0.96	2.4
1,4-Dichlorobenzene		ND		0.96	2.4
1,4-Dioxane		ND		32	240
2,2-Dichloropropane		ND		0.96	2.4
2,4,4-Trimethyl-1-pentene		ND		0.96	4.8
2,4,4-Trimethyl-2-pentene		ND		0.96	4.8
2-Chlorotoluene		ND		0.96	2.4
2-Hexanone		ND		4.9	24
4-Chlorotoluene		ND		0.96	2.4
Benzene		ND		0.96	2.4
Bromobenzene		ND		0.96	2.4
Chlorobromomethane		ND		0.96	2.4
Dichlorobromomethane		ND		0.96	2.4
Bromoform		ND		0.96	2.4
Bromomethane		ND		0.96	4.8
n-Butylbenzene		ND		0.96	2.4
Carbon disulfide		ND		0.96	2.4
Carbon tetrachloride		ND		0.96	2.4
Chlorobenzene		ND		0.96	2.4
Chloroethane		ND		0.96	4.8
Chloroform		ND		0.96	2.4
Chloromethane		ND		0.96	4.8
cis-1,2-Dichloroethene		ND		0.96	2.4
cis-1,3-Dichloropropene		ND		0.96	2.4
Cyclohexane		ND		2.5	24
Chlorodibromomethane		ND		0.96	2.4

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45099.D
Dilution:	1.0			Initial Weight/Volume:	6.18 g
Date Analyzed:	09/17/2009 1830			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.96	2.4
Dichlorodifluoromethane		ND	*	0.96	4.8
Ethyl ether		ND		0.96	2.4
Isopropyl ether		ND		0.96	2.4
Tert-butyl ethyl ether		ND		2.4	2.4
Ethylbenzene		ND		0.96	2.4
Hexachlorobutadiene		ND		0.96	2.4
Isopropylbenzene		ND		0.96	2.4
Methyl acetate		ND		16	48
2-Butanone (MEK)		ND		6.5	24
4-Methyl-2-pentanone (MIBK)		ND		5.0	24
Methyl tert-butyl ether		ND		0.96	2.4
Methylcyclohexane		ND		0.96	2.4
Methylene Chloride		ND		4.7	9.6
m-Xylene & p-Xylene		ND		0.96	4.8
Naphthalene		ND		0.96	24
N-Propylbenzene		ND		0.96	2.4
o-Xylene		ND		0.96	2.4
4-Isopropyltoluene		ND		0.96	2.4
sec-Butylbenzene		ND		0.96	2.4
Styrene		ND		0.96	2.4
Tert-amyl methyl ether		ND		0.96	2.4
tert-Butylbenzene		ND		0.96	2.4
Tetrachloroethene		ND		0.96	2.4
Tetrahydrofuran		ND		5.3	24
Toluene		ND		0.96	2.4
trans-1,2-Dichloroethene		ND		0.96	2.4
trans-1,3-Dichloropropene		ND		0.96	2.4
Trichloroethene		ND		0.96	2.4
Trichlorofluoromethane		ND		0.96	4.8
Vinyl chloride		ND		0.96	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45099.D
Dilution:	1.0			Initial Weight/Volume:	6.18 g
Date Analyzed:	09/17/2009 1830			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.32	6.1	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45100.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Date Analyzed:	09/17/2009 1856			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.99	2.5
1,1,1-Trichloroethane		ND		0.99	2.5
1,1,2,2-Tetrachloroethane		ND		0.99	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.99	12
1,1,2-Trichloroethane		ND		0.99	2.5
1,1-Dichloroethane		ND		0.99	2.5
1,1-Dichloroethene		ND		0.99	2.5
1,1-Dichloropropene		ND		0.99	2.5
1,2,3-Trichlorobenzene		ND		0.99	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		0.99	2.5
1,2,4-Trimethylbenzene		ND		0.99	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		0.99	2.5
1,2-Dichlorobenzene		ND		0.99	2.5
1,2-Dichloroethane		ND		0.99	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		0.99	2.5
1,3,5-Trimethylbenzene		ND		0.99	2.5
1,3-Dichlorobenzene		ND		0.99	2.5
1,3-Dichloropropane		ND		0.99	2.5
1,4-Dichlorobenzene		ND		0.99	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		0.99	2.5
2,4,4-Trimethyl-1-pentene		ND		0.99	4.9
2,4,4-Trimethyl-2-pentene		ND		0.99	4.9
2-Chlorotoluene		ND		0.99	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		0.99	2.5
Benzene		ND		0.99	2.5
Bromobenzene		ND		0.99	2.5
Chlorobromomethane		ND		0.99	2.5
Dichlorobromomethane		ND		0.99	2.5
Bromoform		ND		0.99	2.5
Bromomethane		ND		0.99	4.9
n-Butylbenzene		ND		0.99	2.5
Carbon disulfide		ND		0.99	2.5
Carbon tetrachloride		ND		0.99	2.5
Chlorobenzene		ND		0.99	2.5
Chloroethane		ND		0.99	4.9
Chloroform		ND		0.99	2.5
Chloromethane		ND		0.99	4.9
cis-1,2-Dichloroethene		ND		0.99	2.5
cis-1,3-Dichloropropene		ND		0.99	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		0.99	2.5

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45100.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Date Analyzed:	09/17/2009 1856			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.99	2.5
Dichlorodifluoromethane		ND	*	0.99	4.9
Ethyl ether		ND		0.99	2.5
Isopropyl ether		ND		0.99	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		0.99	2.5
Hexachlorobutadiene		ND		0.99	2.5
Isopropylbenzene		ND		0.99	2.5
Methyl acetate		ND		16	49
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.1	25
Methyl tert-butyl ether		ND		0.99	2.5
Methylcyclohexane		ND		0.99	2.5
Methylene Chloride		ND		4.8	9.9
m-Xylene & p-Xylene		ND		0.99	4.9
Naphthalene		ND		0.99	25
N-Propylbenzene		ND		0.99	2.5
o-Xylene		ND		0.99	2.5
4-Isopropyltoluene		ND		0.99	2.5
sec-Butylbenzene		ND		0.99	2.5
Styrene		ND		0.99	2.5
Tert-amyl methyl ether		ND		0.99	2.5
tert-Butylbenzene		ND		0.99	2.5
Tetrachloroethene		ND		0.99	2.5
Tetrahydrofuran		ND		5.4	25
Toluene		ND		0.99	2.5
trans-1,2-Dichloroethene		ND		0.99	2.5
trans-1,3-Dichloropropene		ND		0.99	2.5
Trichloroethene		ND		0.99	2.5
Trichlorofluoromethane		ND		0.99	4.9
Vinyl chloride		ND		0.99	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45100.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Date Analyzed:	09/17/2009 1856			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	2.2	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45101.D
Dilution:	1.0			Initial Weight/Volume:	3.06 g
Date Analyzed:	09/17/2009 1920			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		4.0	9.9
1,1,1-Trichloroethane		ND		4.0	9.9
1,1,2,2-Tetrachloroethane		ND		4.0	9.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.0	50
1,1,2-Trichloroethane		ND		4.0	9.9
1,1-Dichloroethane		ND		4.0	9.9
1,1-Dichloroethene		ND		4.0	9.9
1,1-Dichloropropene		ND		4.0	9.9
1,2,3-Trichlorobenzene		ND		4.0	9.9
1,2,3-Trichloropropane		ND		5.9	9.9
1,2,4-Trichlorobenzene		ND		4.0	9.9
1,2,4-Trimethylbenzene		ND		4.0	9.9
1,2-Dibromo-3-Chloropropane		ND		7.1	99
Ethylene Dibromide		ND		4.0	9.9
1,2-Dichlorobenzene		ND		4.0	9.9
1,2-Dichloroethane		ND		4.0	9.9
Acetone		ND		71	990
1,2-Dichloropropane		ND		4.0	9.9
1,3,5-Trimethylbenzene		ND		4.0	9.9
1,3-Dichlorobenzene		ND		4.0	9.9
1,3-Dichloropropane		ND		4.0	9.9
1,4-Dichlorobenzene		ND		4.0	9.9
1,4-Dioxane		ND		130	990
2,2-Dichloropropane		ND		4.0	9.9
2,4,4-Trimethyl-1-pentene		ND		4.0	20
2,4,4-Trimethyl-2-pentene		ND		4.0	20
2-Chlorotoluene		ND		4.0	9.9
2-Hexanone		ND		20	99
4-Chlorotoluene		ND		4.0	9.9
Benzene		ND		4.0	9.9
Bromobenzene		ND		4.0	9.9
Chlorobromomethane		ND		4.0	9.9
Dichlorobromomethane		ND		4.0	9.9
Bromoform		ND		4.0	9.9
Bromomethane		ND		4.0	20
n-Butylbenzene		ND		4.0	9.9
Carbon disulfide		ND		4.0	9.9
Carbon tetrachloride		ND		4.0	9.9
Chlorobenzene		ND		4.0	9.9
Chloroethane		ND		4.0	20
Chloroform		ND		4.0	9.9
Chloromethane		ND		4.0	20
cis-1,2-Dichloroethene		ND		4.0	9.9
cis-1,3-Dichloropropene		ND		4.0	9.9
Cyclohexane		ND		10	99
Chlorodibromomethane		ND		4.0	9.9

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45101.D
Dilution:	1.0			Initial Weight/Volume:	3.06 g
Date Analyzed:	09/17/2009 1920			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		4.0	9.9
Dichlorodifluoromethane		ND	*	4.0	20
Ethyl ether		ND		4.0	9.9
Isopropyl ether		ND		4.0	9.9
Tert-butyl ethyl ether		ND		9.9	9.9
Ethylbenzene		ND		4.0	9.9
Hexachlorobutadiene		ND		4.0	9.9
Isopropylbenzene		ND		4.0	9.9
Methyl acetate		ND		65	200
2-Butanone (MEK)		ND		27	99
4-Methyl-2-pentanone (MIBK)		ND		21	99
Methyl tert-butyl ether		ND		4.0	9.9
Methylcyclohexane		ND		4.0	9.9
Methylene Chloride		ND		19	40
m-Xylene & p-Xylene		ND		4.0	20
Naphthalene		ND		4.0	99
N-Propylbenzene		ND		4.0	9.9
o-Xylene		ND		4.0	9.9
4-Isopropyltoluene		ND		4.0	9.9
sec-Butylbenzene		ND		4.0	9.9
Styrene		ND		4.0	9.9
Tert-amyl methyl ether		ND		4.0	9.9
tert-Butylbenzene		ND		4.0	9.9
Tetrachloroethene		ND		4.0	9.9
Tetrahydrofuran		ND		22	99
Toluene		ND		4.0	9.9
trans-1,2-Dichloroethene		ND		4.0	9.9
trans-1,3-Dichloropropene		ND		4.0	9.9
Trichloroethene		ND		4.0	9.9
Trichlorofluoromethane		ND		4.0	20
Vinyl chloride		ND		4.0	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45101.D
Dilution:	1.0			Initial Weight/Volume:	3.06 g
Date Analyzed:	09/17/2009 1920			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45102.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/17/2009 1945			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.7
1,1,1-Trichloroethane		ND		1.1	2.7
1,1,2,2-Tetrachloroethane		ND		1.1	2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.7
1,1-Dichloroethane		ND		1.1	2.7
1,1-Dichloroethene		ND		1.1	2.7
1,1-Dichloropropene		ND		1.1	2.7
1,2,3-Trichlorobenzene		ND		1.1	2.7
1,2,3-Trichloropropane		ND		1.6	2.7
1,2,4-Trichlorobenzene		ND		1.1	2.7
1,2,4-Trimethylbenzene		ND		1.1	2.7
1,2-Dibromo-3-Chloropropane		ND		1.9	27
Ethylene Dibromide		ND		1.1	2.7
1,2-Dichlorobenzene		ND		1.1	2.7
1,2-Dichloroethane		ND		1.1	2.7
Acetone		ND		19	270
1,2-Dichloropropane		ND		1.1	2.7
1,3,5-Trimethylbenzene		ND		1.1	2.7
1,3-Dichlorobenzene		ND		1.1	2.7
1,3-Dichloropropane		ND		1.1	2.7
1,4-Dichlorobenzene		ND		1.1	2.7
1,4-Dioxane		ND		35	270
2,2-Dichloropropane		ND		1.1	2.7
2,4,4-Trimethyl-1-pentene		ND		1.1	5.4
2,4,4-Trimethyl-2-pentene		ND		1.1	5.4
2-Chlorotoluene		ND		1.1	2.7
2-Hexanone		ND		5.5	27
4-Chlorotoluene		ND		1.1	2.7
Benzene		ND		1.1	2.7
Bromobenzene		ND		1.1	2.7
Chlorobromomethane		ND		1.1	2.7
Dichlorobromomethane		ND		1.1	2.7
Bromoform		ND		1.1	2.7
Bromomethane		ND		1.1	5.4
n-Butylbenzene		ND		1.1	2.7
Carbon disulfide		ND		1.1	2.7
Carbon tetrachloride		ND		1.1	2.7
Chlorobenzene		ND		1.1	2.7
Chloroethane		ND		1.1	5.4
Chloroform		ND		1.1	2.7
Chloromethane		ND		1.1	5.4
cis-1,2-Dichloroethene		ND		1.1	2.7
cis-1,3-Dichloropropene		ND		1.1	2.7
Cyclohexane		ND		2.8	27
Chlorodibromomethane		ND		1.1	2.7

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45102.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/17/2009 1945			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.7
Dichlorodifluoromethane		ND	*	1.1	5.4
Ethyl ether		ND		1.1	2.7
Isopropyl ether		ND		1.1	2.7
Tert-butyl ethyl ether		ND		2.7	2.7
Ethylbenzene		ND		1.1	2.7
Hexachlorobutadiene		ND		1.1	2.7
Isopropylbenzene		ND		1.1	2.7
Methyl acetate		ND		17	54
2-Butanone (MEK)		ND		7.3	27
4-Methyl-2-pentanone (MIBK)		ND		5.6	27
Methyl tert-butyl ether		ND		1.1	2.7
Methylcyclohexane		ND		1.1	2.7
Methylene Chloride		ND		5.2	11
m-Xylene & p-Xylene		ND		1.1	5.4
Naphthalene		ND		1.1	27
N-Propylbenzene		ND		1.1	2.7
o-Xylene		ND		1.1	2.7
4-Isopropyltoluene		ND		1.1	2.7
sec-Butylbenzene		ND		1.1	2.7
Styrene		ND		1.1	2.7
Tert-amyl methyl ether		ND		1.1	2.7
tert-Butylbenzene		ND		1.1	2.7
Tetrachloroethene		ND		1.1	2.7
Tetrahydrofuran		ND		5.9	27
Toluene		ND		1.1	2.7
trans-1,2-Dichloroethene		ND		1.1	2.7
trans-1,3-Dichloropropene		ND		1.1	2.7
Trichloroethene		ND		1.1	2.7
Trichlorofluoromethane		ND		1.1	5.4
Vinyl chloride		ND		1.1	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45102.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/17/2009 1945			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.04	4.8	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45103.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Date Analyzed:	09/17/2009 2009			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.6
1,1,1-Trichloroethane		ND		1.0	2.6
1,1,2,2-Tetrachloroethane		ND		1.0	2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	13
1,1,2-Trichloroethane		ND		1.0	2.6
1,1-Dichloroethane		ND		1.0	2.6
1,1-Dichloroethene		ND		1.0	2.6
1,1-Dichloropropene		ND		1.0	2.6
1,2,3-Trichlorobenzene		ND		1.0	2.6
1,2,3-Trichloropropane		ND		1.5	2.6
1,2,4-Trichlorobenzene		ND		1.0	2.6
1,2,4-Trimethylbenzene		ND		1.0	2.6
1,2-Dibromo-3-Chloropropane		ND		1.9	26
Ethylene Dibromide		ND		1.0	2.6
1,2-Dichlorobenzene		ND		1.0	2.6
1,2-Dichloroethane		ND		1.0	2.6
Acetone		ND		19	260
1,2-Dichloropropane		ND		1.0	2.6
1,3,5-Trimethylbenzene		ND		1.0	2.6
1,3-Dichlorobenzene		ND		1.0	2.6
1,3-Dichloropropane		ND		1.0	2.6
1,4-Dichlorobenzene		ND		1.0	2.6
1,4-Dioxane		ND		35	260
2,2-Dichloropropane		ND		1.0	2.6
2,4,4-Trimethyl-1-pentene		ND		1.0	5.2
2,4,4-Trimethyl-2-pentene		ND		1.0	5.2
2-Chlorotoluene		ND		1.0	2.6
2-Hexanone		ND		5.4	26
4-Chlorotoluene		ND		1.0	2.6
Benzene		ND		1.0	2.6
Bromobenzene		ND		1.0	2.6
Chlorobromomethane		ND		1.0	2.6
Dichlorobromomethane		ND		1.0	2.6
Bromoform		ND		1.0	2.6
Bromomethane		ND		1.0	5.2
n-Butylbenzene		ND		1.0	2.6
Carbon disulfide		ND		1.0	2.6
Carbon tetrachloride		ND		1.0	2.6
Chlorobenzene		ND		1.0	2.6
Chloroethane		ND		1.0	5.2
Chloroform		ND		1.0	2.6
Chloromethane		ND		1.0	5.2
cis-1,2-Dichloroethene		ND		1.0	2.6
cis-1,3-Dichloropropene		ND		1.0	2.6
Cyclohexane		ND		2.7	26
Chlorodibromomethane		ND		1.0	2.6

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45103.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Date Analyzed:	09/17/2009 2009			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.6
Dichlorodifluoromethane		ND	*	1.0	5.2
Ethyl ether		ND		1.0	2.6
Isopropyl ether		ND		1.0	2.6
Tert-butyl ethyl ether		ND		2.6	2.6
Ethylbenzene		ND		1.0	2.6
Hexachlorobutadiene		ND		1.0	2.6
Isopropylbenzene		ND		1.0	2.6
Methyl acetate		ND		17	52
2-Butanone (MEK)		ND		7.1	26
4-Methyl-2-pentanone (MIBK)		ND		5.4	26
Methyl tert-butyl ether		ND		1.0	2.6
Methylcyclohexane		ND		1.0	2.6
Methylene Chloride		ND		5.1	10
m-Xylene & p-Xylene		ND		1.0	5.2
Naphthalene		ND		1.0	26
N-Propylbenzene		ND		1.0	2.6
o-Xylene		ND		1.0	2.6
4-Isopropyltoluene		ND		1.0	2.6
sec-Butylbenzene		ND		1.0	2.6
Styrene		ND		1.0	2.6
Tert-amyl methyl ether		ND		1.0	2.6
tert-Butylbenzene		ND		1.0	2.6
Tetrachloroethene		ND		1.0	2.6
Tetrahydrofuran		ND		5.8	26
Toluene		ND		1.0	2.6
trans-1,2-Dichloroethene		ND		1.0	2.6
trans-1,3-Dichloropropene		ND		1.0	2.6
Trichloroethene		ND		1.0	2.6
Trichlorofluoromethane		ND		1.0	5.2
Vinyl chloride		ND		1.0	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45103.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Date Analyzed:	09/17/2009 2009			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.03	7.7	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45104.D
Dilution:	1.0			Initial Weight/Volume:	3.73 g
Date Analyzed:	09/17/2009 2033			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		3.1	7.9
1,1,1-Trichloroethane		ND		3.1	7.9
1,1,2,2-Tetrachloroethane		ND		3.1	7.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.1	39
1,1,2-Trichloroethane		ND		3.1	7.9
1,1-Dichloroethane		ND		3.1	7.9
1,1-Dichloroethene		ND		3.1	7.9
1,1-Dichloropropene		ND		3.1	7.9
1,2,3-Trichlorobenzene		ND		3.1	7.9
1,2,3-Trichloropropane		ND		4.6	7.9
1,2,4-Trichlorobenzene		ND		3.1	7.9
1,2,4-Trimethylbenzene		ND		3.1	7.9
1,2-Dibromo-3-Chloropropane		ND		5.7	79
Ethylene Dibromide		ND		3.1	7.9
1,2-Dichlorobenzene		ND		3.1	7.9
1,2-Dichloroethane		ND		3.1	7.9
Acetone		ND		56	790
1,2-Dichloropropane		ND		3.1	7.9
1,3,5-Trimethylbenzene		ND		3.1	7.9
1,3-Dichlorobenzene		ND		3.1	7.9
1,3-Dichloropropane		ND		3.1	7.9
1,4-Dichlorobenzene		ND		3.1	7.9
1,4-Dioxane		ND		100	790
2,2-Dichloropropane		ND		3.1	7.9
2,4,4-Trimethyl-1-pentene		ND		3.1	16
2,4,4-Trimethyl-2-pentene		ND		3.1	16
2-Chlorotoluene		ND		3.1	7.9
2-Hexanone		ND		16	79
4-Chlorotoluene		ND		3.1	7.9
Benzene		ND		3.1	7.9
Bromobenzene		ND		3.1	7.9
Chlorobromomethane		ND		3.1	7.9
Dichlorobromomethane		ND		3.1	7.9
Bromoform		ND		3.1	7.9
Bromomethane		ND		3.1	16
n-Butylbenzene		ND		3.1	7.9
Carbon disulfide		ND		3.1	7.9
Carbon tetrachloride		ND		3.1	7.9
Chlorobenzene		ND		3.1	7.9
Chloroethane		ND		3.1	16
Chloroform		ND		3.1	7.9
Chloromethane		ND		3.1	16
cis-1,2-Dichloroethene		ND		3.1	7.9
cis-1,3-Dichloropropene		ND		3.1	7.9
Cyclohexane		ND		8.1	79
Chlorodibromomethane		ND		3.1	7.9

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45104.D
Dilution:	1.0			Initial Weight/Volume:	3.73 g
Date Analyzed:	09/17/2009 2033			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		3.1	7.9
Dichlorodifluoromethane		ND	*	3.1	16
Ethyl ether		ND		3.1	7.9
Isopropyl ether		ND		3.1	7.9
Tert-butyl ethyl ether		ND		7.9	7.9
Ethylbenzene		ND		3.1	7.9
Hexachlorobutadiene		ND		3.1	7.9
Isopropylbenzene		ND		3.1	7.9
Methyl acetate		ND		51	160
2-Butanone (MEK)		ND		21	79
4-Methyl-2-pentanone (MIBK)		ND		16	79
Methyl tert-butyl ether		ND		3.1	7.9
Methylcyclohexane		ND		3.1	7.9
Methylene Chloride		ND		15	31
m-Xylene & p-Xylene		ND		3.1	16
Naphthalene		ND		3.1	79
N-Propylbenzene		ND		3.1	7.9
o-Xylene		ND		3.1	7.9
4-Isopropyltoluene		ND		3.1	7.9
sec-Butylbenzene		ND		3.1	7.9
Styrene		ND		3.1	7.9
Tert-amyl methyl ether		ND		3.1	7.9
tert-Butylbenzene		ND		3.1	7.9
Tetrachloroethene		ND		3.1	7.9
Tetrahydrofuran		ND		17	79
Toluene		ND		3.1	7.9
trans-1,2-Dichloroethene		ND		3.1	7.9
trans-1,3-Dichloropropene		ND		3.1	7.9
Trichloroethene		ND		3.1	7.9
Trichlorofluoromethane		ND		3.1	16
Vinyl chloride		ND		3.1	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45104.D
Dilution:	1.0			Initial Weight/Volume:	3.73 g
Date Analyzed:	09/17/2009 2033			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.04	17	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45105.D
Dilution:	1.0			Initial Weight/Volume:	5.15 g
Date Analyzed:	09/17/2009 2057			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.7
1,1,1-Trichloroethane		ND		1.1	2.7
1,1,2,2-Tetrachloroethane		ND		1.1	2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.7
1,1-Dichloroethane		ND		1.1	2.7
1,1-Dichloroethene		ND		1.1	2.7
1,1-Dichloropropene		ND		1.1	2.7
1,2,3-Trichlorobenzene		ND		1.1	2.7
1,2,3-Trichloropropane		ND		1.6	2.7
1,2,4-Trichlorobenzene		ND		1.1	2.7
1,2,4-Trimethylbenzene		ND		1.1	2.7
1,2-Dibromo-3-Chloropropane		ND		1.9	27
Ethylene Dibromide		ND		1.1	2.7
1,2-Dichlorobenzene		ND		1.1	2.7
1,2-Dichloroethane		ND		1.1	2.7
Acetone		ND		19	270
1,2-Dichloropropane		ND		1.1	2.7
1,3,5-Trimethylbenzene		ND		1.1	2.7
1,3-Dichlorobenzene		ND		1.1	2.7
1,3-Dichloropropane		ND		1.1	2.7
1,4-Dichlorobenzene		ND		1.1	2.7
1,4-Dioxane		ND		35	270
2,2-Dichloropropane		ND		1.1	2.7
2,4,4-Trimethyl-1-pentene		ND		1.1	5.3
2,4,4-Trimethyl-2-pentene		ND		1.1	5.3
2-Chlorotoluene		ND		1.1	2.7
2-Hexanone		ND		5.5	27
4-Chlorotoluene		ND		1.1	2.7
Benzene		ND		1.1	2.7
Bromobenzene		ND		1.1	2.7
Chlorobromomethane		ND		1.1	2.7
Dichlorobromomethane		ND		1.1	2.7
Bromoform		ND		1.1	2.7
Bromomethane		ND		1.1	5.3
n-Butylbenzene		ND		1.1	2.7
Carbon disulfide		ND		1.1	2.7
Carbon tetrachloride		ND		1.1	2.7
Chlorobenzene		ND		1.1	2.7
Chloroethane		ND		1.1	5.3
Chloroform		ND		1.1	2.7
Chloromethane		ND		1.1	5.3
cis-1,2-Dichloroethene		ND		1.1	2.7
cis-1,3-Dichloropropene		ND		1.1	2.7
Cyclohexane		ND		2.7	27
Chlorodibromomethane		ND		1.1	2.7

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45105.D
Dilution:	1.0			Initial Weight/Volume:	5.15 g
Date Analyzed:	09/17/2009 2057			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.7
Dichlorodifluoromethane		ND	*	1.1	5.3
Ethyl ether		ND		1.1	2.7
Isopropyl ether		ND		1.1	2.7
Tert-butyl ethyl ether		ND		2.7	2.7
Ethylbenzene		ND		1.1	2.7
Hexachlorobutadiene		ND		1.1	2.7
Isopropylbenzene		ND		1.1	2.7
Methyl acetate		ND		17	53
2-Butanone (MEK)		ND		7.2	27
4-Methyl-2-pentanone (MIBK)		ND		5.5	27
Methyl tert-butyl ether		ND		1.1	2.7
Methylcyclohexane		ND		1.1	2.7
Methylene Chloride		ND		5.1	11
m-Xylene & p-Xylene		ND		1.1	5.3
Naphthalene		ND		1.1	27
N-Propylbenzene		ND		1.1	2.7
o-Xylene		ND		1.1	2.7
4-Isopropyltoluene		ND		1.1	2.7
sec-Butylbenzene		ND		1.1	2.7
Styrene		ND		1.1	2.7
Tert-amyl methyl ether		ND		1.1	2.7
tert-Butylbenzene		ND		1.1	2.7
Tetrachloroethene		ND		1.1	2.7
Tetrahydrofuran		ND		5.8	27
Toluene		ND		1.1	2.7
trans-1,2-Dichloroethene		ND		1.1	2.7
trans-1,3-Dichloropropene		ND		1.1	2.7
Trichloroethene		ND		1.1	2.7
Trichlorofluoromethane		ND		1.1	5.3
Vinyl chloride		ND		1.1	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49101		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49099		Lab File ID:	V45105.D
Dilution:	1.0			Initial Weight/Volume:	5.15 g
Date Analyzed:	09/17/2009 2057			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.66	1.8	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178		Lab File ID:	V45145.D
Dilution:	1.0			Initial Weight/Volume:	5.20 g
Date Analyzed:	09/18/2009 1911			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.6
1,1,1-Trichloroethane		ND		1.1	2.6
1,1,2,2-Tetrachloroethane		ND		1.1	2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.6
1,1-Dichloroethane		ND		1.1	2.6
1,1-Dichloroethene		ND		1.1	2.6
1,1-Dichloropropene		ND		1.1	2.6
1,2,3-Trichlorobenzene		ND		1.1	2.6
1,2,3-Trichloropropane		ND		1.6	2.6
1,2,4-Trichlorobenzene		ND		1.1	2.6
1,2,4-Trimethylbenzene		ND		1.1	2.6
1,2-Dibromo-3-Chloropropane		ND		1.9	26
Ethylene Dibromide		ND		1.1	2.6
1,2-Dichlorobenzene		ND		1.1	2.6
1,2-Dichloroethane		ND		1.1	2.6
Acetone		ND		19	260
1,2-Dichloropropane		ND		1.1	2.6
1,3,5-Trimethylbenzene		ND		1.1	2.6
1,3-Dichlorobenzene		ND		1.1	2.6
1,3-Dichloropropane		ND		1.1	2.6
1,4-Dichlorobenzene		ND		1.1	2.6
1,4-Dioxane		ND		35	260
2,2-Dichloropropane		ND		1.1	2.6
2,4,4-Trimethyl-1-pentene		ND		1.1	5.3
2,4,4-Trimethyl-2-pentene		ND		1.1	5.3
2-Chlorotoluene		ND		1.1	2.6
2-Hexanone		ND		5.4	26
4-Chlorotoluene		ND		1.1	2.6
Benzene		ND		1.1	2.6
Bromobenzene		ND		1.1	2.6
Chlorobromomethane		ND		1.1	2.6
Dichlorobromomethane		ND		1.1	2.6
Bromoform		ND		1.1	2.6
Bromomethane		ND		1.1	5.3
n-Butylbenzene		ND		1.1	2.6
Carbon disulfide		ND		1.1	2.6
Carbon tetrachloride		ND		1.1	2.6
Chlorobenzene		ND		1.1	2.6
Chloroethane		ND		1.1	5.3
Chloroform		ND		1.1	2.6
Chloromethane		ND		1.1	5.3
cis-1,2-Dichloroethene		ND		1.1	2.6
cis-1,3-Dichloropropene		ND		1.1	2.6
Cyclohexane		ND		2.7	26
Chlorodibromomethane		ND		1.1	2.6

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178		Lab File ID:	V45145.D
Dilution:	1.0			Initial Weight/Volume:	5.20 g
Date Analyzed:	09/18/2009 1911			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.6
Dichlorodifluoromethane		ND	*	1.1	5.3
Ethyl ether		ND		1.1	2.6
Isopropyl ether		ND		1.1	2.6
Tert-butyl ethyl ether		ND		2.6	2.6
Ethylbenzene		ND		1.1	2.6
Hexachlorobutadiene		ND		1.1	2.6
Isopropylbenzene		ND		1.1	2.6
Methyl acetate		ND	*	17	53
2-Butanone (MEK)		ND		7.1	26
4-Methyl-2-pentanone (MIBK)		ND		5.4	26
Methyl tert-butyl ether		ND		1.1	2.6
Methylcyclohexane		ND		1.1	2.6
Methylene Chloride		ND		5.1	11
m-Xylene & p-Xylene		ND		1.1	5.3
Naphthalene		ND		1.1	26
N-Propylbenzene		ND		1.1	2.6
o-Xylene		ND		1.1	2.6
4-Isopropyltoluene		ND		1.1	2.6
sec-Butylbenzene		ND		1.1	2.6
Styrene		ND		1.1	2.6
Tert-amyl methyl ether		ND		1.1	2.6
tert-Butylbenzene		ND		1.1	2.6
Tetrachloroethene		ND		1.1	2.6
Tetrahydrofuran		ND		5.8	26
Toluene		ND		1.1	2.6
trans-1,2-Dichloroethene		ND		1.1	2.6
trans-1,3-Dichloropropene		ND		1.1	2.6
Trichloroethene		ND		1.1	2.6
Trichlorofluoromethane		ND		1.1	5.3
Vinyl chloride		ND		1.1	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178		Lab File ID:	V45145.D
Dilution:	1.0			Initial Weight/Volume:	5.20 g
Date Analyzed:	09/18/2009 1911			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.05	4.5	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-019**

Lab Sample ID: 360-24582-23TB
Client Matrix: Solid

Date Sampled: 09/15/2009 1200
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178		Lab File ID:	V45146.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	09/18/2009 1935			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-019**

Lab Sample ID: 360-24582-23TB
Client Matrix: Solid

Date Sampled: 09/15/2009 1200
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178		Lab File ID:	V45146.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	09/18/2009 1935			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND	*	16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		ND		5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-TBK-019**

Lab Sample ID: 360-24582-23TB
Client Matrix: Solid

Date Sampled: 09/15/2009 1200
Date Received: 09/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-49180	Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-49178	Lab File ID:	V45146.D
Dilution:	1.0		Initial Weight/Volume:	5.00 g
Date Analyzed:	09/18/2009 1935		Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500			

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.67	1.4	T J

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49520		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-49302		Lab File ID:	J03162.D
Dilution:	1.0			Initial Weight/Volume:	100.88 g
Date Analyzed:	09/26/2009 1829			Final Weight/Volume:	1.0 mL
Date Prepared:	09/22/2009 1155			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.5	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	73		30 - 130
2-Fluorobiphenyl	59		30 - 130
2-Fluorophenol	57		30 - 130
Nitrobenzene-d5	53		30 - 130
Phenol-d5	65		30 - 130
Terphenyl-d14	95		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03204.D
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0137			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		13	42
1,2,4,5-Tetrachlorobenzene		ND		13	42
1,2,4-Trichlorobenzene		ND		13	42
1,2-Dichlorobenzene		ND		13	42
1,3-Dichlorobenzene		ND		13	42
1,4-Dichlorobenzene		ND		13	42
1-Methylnaphthalene		ND		13	42
2,2'-oxybis[1-chloropropane]		ND		13	42
2,3,4,6-Tetrachlorophenol		ND		13	42
2,4,5-Trichlorophenol		ND		13	42
2,4,6-Trichlorophenol		ND		13	42
2,4-Dichlorophenol		ND	*	13	42
2,4-Dimethylphenol		ND		17	42
2,4-Dinitrophenol		ND		13	42
2,4-Dinitrotoluene		ND		13	42
2,6-Dinitrotoluene		ND		13	42
2-Chloronaphthalene		ND		13	42
2-Chlorophenol		ND		13	42
2-Methylnaphthalene		ND		13	42
2-Methylphenol		ND		25	42
2-Nitroaniline		ND		13	210
2-Nitrophenol		ND		13	42
3 & 4 Methylphenol		ND		13	42
3,3'-Dichlorobenzidine		ND		13	85
3-Nitroaniline		ND		13	210
4,6-Dinitro-2-methylphenol		ND		13	210
4-Bromophenyl phenyl ether		ND		13	42
4-Chloro-3-methylphenol		ND		13	85
4-Chloroaniline		ND		13	85
4-Chlorophenyl phenyl ether		ND		13	42
4-Nitroaniline		ND		13	210
4-Nitrophenol		ND		13	210
Acenaphthene		ND		13	42
Acenaphthylene		ND		13	42
Acetophenone		ND		13	42
Aniline		ND	*	13	42
Anthracene		ND		13	42
Atrazine		ND		13	42
Azobenzene		ND		13	42
Benzaldehyde		ND		13	42
Benzo[a]anthracene		ND		13	42
Benzo[a]pyrene		ND		13	42
Benzo[b]fluoranthene		ND		13	42
Benzo[g,h,i]perylene		ND		13	42
Benzo[k]fluoranthene		ND		13	42
Benzoic acid		ND		19	210

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03204.D
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0137			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		13	42
Benzyl alcohol		ND		36	85
Bis(2-chloroethoxy)methane		ND		13	42
Bis(2-chloroethyl)ether		ND		13	42
Bis(2-ethylhexyl) phthalate		75	B	13	42
Butyl benzyl phthalate		ND		13	42
Caprolactam		ND		13	42
Carbazole		ND		13	42
Chrysene		ND		13	42
Dibenz(a,h)anthracene		ND		13	42
Dibenzofuran		ND		13	42
Diethyl phthalate		ND		13	42
Dimethyl phthalate		ND		13	42
Di-n-butyl phthalate		ND		37	42
Di-n-octyl phthalate		ND		21	42
Diphenyl oxide		ND		13	42
Diphenylamine		ND		13	42
Fluoranthene		ND		13	42
Fluorene		ND		13	42
Hexachlorobenzene		ND		13	42
Hexachlorobutadiene		ND		13	42
Hexachlorocyclopentadiene		ND		13	85
Hexachloroethane		ND		13	42
Indeno[1,2,3-cd]pyrene		ND	*	13	42
Isophorone		ND		13	42
Naphthalene		ND		13	100
Nitrobenzene		ND		13	42
N-Nitrosodimethylamine		ND		15	42
N-Nitrosodi-n-propylamine		ND		13	42
N-Nitrosodiphenylamine		ND		13	42
Pentachlorophenol		ND		13	42
Phenanthrene		ND		13	51
Phenol		ND		13	42
Pyrene		ND		13	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	68		30 - 130
2-Fluorophenol	64		30 - 130
2-Fluorobiphenyl	58		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	58		30 - 130
Terphenyl-d14	63		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03204.D
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0137			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
763-93-9	3-Hexen-2-one	5.71	15	T J N
104-76-7	1-Hexanol, 2-ethyl-	8.09	18	T J N
110-20-3	Hydrazinecarboxamide, 2-(1-methylethylid	9.89	11	T J N
615-58-7	Phenol, 2,4-dibromo-	10.54	8.7	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	15	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.72	9.2	T J N
7683-64-9	Squalene	16.19	140	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49511		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-48980		Lab File ID:	B10563.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	09/26/2009 0114			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	ND		0.50	5.0
1,2,4,5-Tetrachlorobenzene	ND		0.50	5.0
1-Methylnaphthalene	ND		0.050	5.0
2,3,4,6-Tetrachlorophenol	ND		0.50	5.0
Bis(2-chloroethyl)ether	ND		0.50	5.0
Benzyl alcohol	ND		0.50	10
2-Methylphenol	ND		0.50	5.0
N-Nitrosodi-n-propylamine	ND		0.50	5.0
Hexachloroethane	ND		0.50	3.0
3 & 4 Methylphenol	ND		0.50	5.0
2-Chlorophenol	ND		0.50	5.0
3,3'-Dichlorobenzidine	ND		0.50	5.0
Nitrobenzene	ND		0.50	5.0
Bis(2-chloroethoxy)methane	ND		0.50	5.0
Benzoic acid	ND	*	0.50	5.0
Isophorone	ND		0.50	5.0
2,4-Dimethylphenol	ND		0.50	5.0
Aniline	ND	*	0.50	5.0
Azobenzene	ND		0.50	5.0
2,4-Dichlorophenol	ND		0.50	5.0
4-Chloroaniline	ND		0.50	5.0
2,4,6-Trichlorophenol	ND		0.50	5.0
2,4,5-Trichlorophenol	ND		0.50	5.0
Hexachlorocyclopentadiene	ND		0.50	5.0
2-Methylnaphthalene	ND		0.050	1.0
2-Nitroaniline	ND		0.50	5.0
Caprolactam	ND	*	0.50	5.0
2-Chloronaphthalene	ND		0.50	5.0
4-Chloro-3-methylphenol	ND		0.50	5.0
2,6-Dinitrotoluene	ND		0.50	5.0
2-Nitrophenol	ND		0.50	5.0
3-Nitroaniline	ND		0.50	5.0
Dimethyl phthalate	ND		0.50	5.0
2,4-Dinitrophenol	ND		0.50	5.0
Acenaphthylene	ND		0.050	0.30
2,4-Dinitrotoluene	ND		0.50	5.0
Acenaphthene	ND		0.050	1.0
Dibenzofuran	ND		0.50	5.0
4-Nitrophenol	ND	*	0.50	5.0
Fluorene	ND		0.050	1.0
4-Nitroaniline	ND		0.50	5.0
Phenol	ND	*	0.50	5.0
4-Bromophenyl phenyl ether	ND		0.50	5.0
Hexachlorobenzene	ND		0.50	1.0
Diethyl phthalate	ND		0.50	5.0
4-Chlorophenyl phenyl ether	ND		0.50	5.0

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49511		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-48980		Lab File ID:	B10563.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	09/26/2009 0114			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pentachlorophenol	ND		0.50	1.0
N-Nitrosodiphenylamine	ND		0.50	5.0
4,6-Dinitro-2-methylphenol	ND		0.50	5.0
Phenanthrene	ND		0.085	0.20
Anthracene	ND		0.070	1.0
Di-n-butyl phthalate	1.0	J B	0.60	5.0
Fluoranthene	ND		0.20	1.0
Pyrene	ND		0.19	5.0
Butyl benzyl phthalate	1.2	J	0.50	5.0
Benzo[a]anthracene	ND		0.17	0.30
Chrysene	ND		0.17	1.0
Di-n-octyl phthalate	ND		0.73	5.0
Benzo[b]fluoranthene	ND		0.14	0.30
Benzo[k]fluoranthene	ND		0.17	0.30
Benzo[a]pyrene	ND		0.10	0.20
Indeno[1,2,3-cd]pyrene	ND		0.079	0.50
Dibenz(a,h)anthracene	ND		0.064	0.50
Benzo[g,h,i]perylene	ND		0.094	0.50
Acetophenone	0.66	J	0.50	5.0
Bis(2-ethylhexyl) phthalate	1.6	J B	0.50	2.0
bis (2-chloroisopropyl) ether	ND		0.50	5.0
Atrazine	ND		0.50	5.0
Benzaldehyde	ND		0.50	5.0
Carbazole	ND		0.50	5.0
Benzophenone	ND		0.50	5.0
Diphenyl oxide	ND		0.50	5.0
Diphenylamine	ND		0.50	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	75		15 - 110
2-Fluorobiphenyl	73		30 - 130
2-Fluorophenol	23		15 - 110
Nitrobenzene-d5	81		30 - 130
Phenol-d5	12	X	15 - 110
Terphenyl-d14	91		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49511	Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-48980	Lab File ID:	B10563.D
Dilution:	1.0		Initial Weight/Volume:	1000 mL
Date Analyzed:	09/26/2009 0114		Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456		Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.84	0.59	T J N
134-62-3	Diethyltoluamide	10.17	1.9	T J N
80-39-7	Benzenesulfonamide, N-ethyl-4-methyl-	10.76	0.35	T J N
3622-84-2	Benzenesulfonamide, N-butyl-	11.01	0.33	T J N
92-87-5	Benzidine	12.28	0.69	J *
3892-0-0	Pentadecane, 2,6,10-trimethyl-	13.72	0.76	T J N
112-95-8	Eicosane	14.37	0.69	T J N
630-2-4	Octacosane	15.70	0.77	T J N
7683-64-9	Squalene	15.81	0.66	T J N
638-67-5	Tricosane	16.17	0.61	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03205.D
Dilution:	10			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/29/2009 0210			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		130	430
1,2,4,5-Tetrachlorobenzene		ND		130	430
1,2,4-Trichlorobenzene		ND		130	430
1,2-Dichlorobenzene		ND		130	430
1,3-Dichlorobenzene		ND		130	430
1,4-Dichlorobenzene		ND		130	430
1-Methylnaphthalene		ND		130	430
2,2'-oxybis[1-chloropropane]		ND		130	430
2,3,4,6-Tetrachlorophenol		ND		130	430
2,4,5-Trichlorophenol		ND		130	430
2,4,6-Trichlorophenol		ND		130	430
2,4-Dichlorophenol		ND	*	130	430
2,4-Dimethylphenol		ND		170	430
2,4-Dinitrophenol		ND		130	430
2,4-Dinitrotoluene		ND		130	430
2,6-Dinitrotoluene		ND		130	430
2-Chloronaphthalene		ND		130	430
2-Chlorophenol		ND		130	430
2-Methylnaphthalene		ND		130	430
2-Methylphenol		ND		260	430
2-Nitroaniline		ND		130	2200
2-Nitrophenol		ND		130	430
3 & 4 Methylphenol		ND		130	430
3,3'-Dichlorobenzidine		ND		130	870
3-Nitroaniline		ND		130	2200
4,6-Dinitro-2-methylphenol		ND		130	2200
4-Bromophenyl phenyl ether		ND		130	430
4-Chloro-3-methylphenol		ND		130	870
4-Chloroaniline		ND		130	870
4-Chlorophenyl phenyl ether		ND		130	430
4-Nitroaniline		ND		130	2200
4-Nitrophenol		ND		130	2200
Acenaphthene		ND		130	430
Acenaphthylene		ND		130	430
Acetophenone		ND		130	430
Aniline		ND	*	130	430
Anthracene		ND		130	430
Atrazine		ND		130	430
Azobenzene		ND		130	430
Benzaldehyde		ND		130	430
Benzo[a]anthracene		130	J	130	430
Benzo[a]pyrene		170	J	130	430
Benzo[b]fluoranthene		190	J	130	430
Benzo[g,h,i]perylene		170	J	130	430
Benzo[k]fluoranthene		190	J	130	430
Benzoic acid		720	J B	200	2200

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03205.D
Dilution:	10			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/29/2009 0210			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		130	430
Benzyl alcohol		ND		370	870
Bis(2-chloroethoxy)methane		ND		130	430
Bis(2-chloroethyl)ether		ND		130	430
Bis(2-ethylhexyl) phthalate		270	J B	130	430
Butyl benzyl phthalate		ND		130	430
Caprolactam		ND		130	430
Carbazole		ND		130	430
Chrysene		240	J	130	430
Dibenz(a,h)anthracene		310	J	130	430
Dibenzofuran		ND		130	430
Diethyl phthalate		ND		130	430
Dimethyl phthalate		ND		130	430
Di-n-butyl phthalate		ND		380	430
Di-n-octyl phthalate		ND		220	430
Diphenyl oxide		ND		130	430
Fluoranthene		390	J	130	430
Fluorene		ND		130	430
Hexachlorobenzene		ND		130	430
Hexachlorobutadiene		ND		130	430
Hexachlorocyclopentadiene		ND		130	870
Hexachloroethane		ND		130	430
Indeno[1,2,3-cd]pyrene		170	J *	130	430
Isophorone		ND		130	430
Naphthalene		ND		130	1000
Nitrobenzene		ND		130	430
N-Nitrosodimethylamine		ND		150	430
N-Nitrosodi-n-propylamine		ND		130	430
N-Nitrosodiphenylamine		ND		130	430
Pentachlorophenol		ND		130	430
Phenanthrene		280	J	130	520
Phenol		ND		130	430
Pyrene		380	J	130	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	63		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	56		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	62		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03205.D
Dilution:	10			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/29/2009 0210			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
544-76-3	Hexadecane	15.00	560	T J N
19047-85-9	Phosphonic acid, dioctadecyl ester	15.03	2200	T J N
297-3-0	Cyclotetracosane	15.73	4100	T J N
638-66-4	Octadecanal	15.85	280	T J N
593-45-3	Octadecane	16.01	280	T J N
67860-4-2	Oxirane, heptadecyl-	16.18	2200	T J N
646-31-1	Tetracosane	16.34	4700	T J N
297-3-0	Cyclotetracosane	16.41	3600	T J N
545-47-1	Lupeol	19.83	3600	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03206.D
Dilution:	10			Initial Weight/Volume:	30.26 g
Date Analyzed:	09/29/2009 0243			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	350
1,2,4,5-Tetrachlorobenzene		ND		110	350
1,2,4-Trichlorobenzene		ND		110	350
1,2-Dichlorobenzene		ND		110	350
1,3-Dichlorobenzene		ND		110	350
1,4-Dichlorobenzene		ND		110	350
1-Methylnaphthalene		ND		110	350
2,2'-oxybis[1-chloropropane]		ND		110	350
2,3,4,6-Tetrachlorophenol		ND		110	350
2,4,5-Trichlorophenol		ND		110	350
2,4,6-Trichlorophenol		ND		110	350
2,4-Dichlorophenol		ND	*	110	350
2,4-Dimethylphenol		ND		140	350
2,4-Dinitrophenol		ND		110	350
2,4-Dinitrotoluene		ND		110	350
2,6-Dinitrotoluene		ND		110	350
2-Chloronaphthalene		ND		110	350
2-Chlorophenol		ND		110	350
2-Methylnaphthalene		ND		110	350
2-Methylphenol		ND		210	350
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	350
3 & 4 Methylphenol		ND		110	350
3,3'-Dichlorobenzidine		ND		110	710
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	350
4-Chloro-3-methylphenol		ND		110	710
4-Chloroaniline		ND		110	710
4-Chlorophenyl phenyl ether		ND		110	350
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	350
Acenaphthylene		160	J	110	350
Acetophenone		ND		110	350
Aniline		ND	*	110	350
Anthracene		ND		110	350
Atrazine		ND		110	350
Azobenzene		ND		110	350
Benzaldehyde		ND		110	350
Benzo[a]anthracene		540		110	350
Benzo[a]pyrene		940		110	350
Benzo[b]fluoranthene		570		110	350
Benzo[g,h,i]perylene		770		110	350
Benzo[k]fluoranthene		660		110	350
Benzoic acid		ND		160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03206.D
Dilution:	10			Initial Weight/Volume:	30.26 g
Date Analyzed:	09/29/2009 0243			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	350
Benzyl alcohol		ND		300	710
Bis(2-chloroethoxy)methane		ND		110	350
Bis(2-chloroethyl)ether		ND		110	350
Bis(2-ethylhexyl) phthalate		260	J B	110	350
Butyl benzyl phthalate		ND		110	350
Caprolactam		ND		110	350
Carbazole		ND		110	350
Chrysene		730		110	350
Dibenz(a,h)anthracene		500		110	350
Dibenzofuran		ND		110	350
Diethyl phthalate		ND		110	350
Dimethyl phthalate		ND		110	350
Di-n-butyl phthalate		ND		310	350
Di-n-octyl phthalate		ND		180	350
Diphenyl oxide		ND		110	350
Fluoranthene		920		110	350
Fluorene		ND		110	350
Hexachlorobenzene		ND		110	350
Hexachlorobutadiene		ND		110	350
Hexachlorocyclopentadiene		ND		110	710
Hexachloroethane		ND		110	350
Indeno[1,2,3-cd]pyrene		730	*	110	350
Isophorone		ND		110	350
Naphthalene		ND		110	850
Nitrobenzene		ND		110	350
N-Nitrosodimethylamine		ND		130	350
N-Nitrosodi-n-propylamine		ND		110	350
N-Nitrosodiphenylamine		ND		110	350
Pentachlorophenol		ND		110	350
Phenanthrene		640		110	430
Phenol		ND		110	350
Pyrene		1200		110	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74		30 - 130
2-Fluorobiphenyl	72		30 - 130
2-Fluorophenol	70		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	71		30 - 130
Terphenyl-d14	88		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03206.D
Dilution:	10			Initial Weight/Volume:	30.26 g
Date Analyzed:	09/29/2009 0243			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
80-56-8	.alpha.-Pinene	7.32	570	T J N
243-17-4	11H-Benzo[b]fluorene	14.43	440	T J N
629-92-5	Nonadecane	14.99	320	T J N
629-78-7	Heptadecane	15.67	370	T J N
297-3-0	Cyclotetracosane	15.73	1200	T J N
646-31-1	Tetracosane	16.34	2300	T J N
205-99-2	Benz[e]acephenanthrylene	16.88	420	T J N
630-4-6	Hentriacontane	17.09	1900	T J N
7390-81-0	Oxirane, hexadecyl-	17.84	1200	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03207.D
Dilution:	10			Initial Weight/Volume:	30.46 g
Date Analyzed:	09/29/2009 0316			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		130	440
1,2,4,5-Tetrachlorobenzene		ND		130	440
1,2,4-Trichlorobenzene		ND		130	440
1,2-Dichlorobenzene		ND		130	440
1,3-Dichlorobenzene		ND		130	440
1,4-Dichlorobenzene		ND		130	440
1-Methylnaphthalene		ND		130	440
2,2'-oxybis[1-chloropropane]		ND		130	440
2,3,4,6-Tetrachlorophenol		ND		130	440
2,4,5-Trichlorophenol		ND		130	440
2,4,6-Trichlorophenol		ND		130	440
2,4-Dichlorophenol		ND	*	130	440
2,4-Dimethylphenol		ND		170	440
2,4-Dinitrophenol		ND		130	440
2,4-Dinitrotoluene		ND		130	440
2,6-Dinitrotoluene		ND		130	440
2-Chloronaphthalene		ND		130	440
2-Chlorophenol		ND		130	440
2-Methylnaphthalene		ND		130	440
2-Methylphenol		ND		260	440
2-Nitroaniline		ND		130	2200
2-Nitrophenol		ND		130	440
3 & 4 Methylphenol		ND		130	440
3,3'-Dichlorobenzidine		ND		130	880
3-Nitroaniline		ND		130	2200
4,6-Dinitro-2-methylphenol		ND		130	2200
4-Bromophenyl phenyl ether		ND		130	440
4-Chloro-3-methylphenol		ND		130	880
4-Chloroaniline		ND		130	880
4-Chlorophenyl phenyl ether		ND		130	440
4-Nitroaniline		ND		130	2200
4-Nitrophenol		ND		130	2200
Acenaphthene		ND		130	440
Acenaphthylene		ND		130	440
Acetophenone		ND		130	440
Aniline		ND	*	130	440
Anthracene		ND		130	440
Atrazine		ND		130	440
Azobenzene		ND		130	440
Benzaldehyde		290	J	130	440
Benzo[a]anthracene		ND		130	440
Benzo[a]pyrene		ND		130	440
Benzo[b]fluoranthene		150	J	130	440
Benzo[g,h,i]perylene		ND		130	440
Benzo[k]fluoranthene		ND		130	440
Benzoic acid		900	J B	200	2200

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03207.D
Dilution:	10			Initial Weight/Volume:	30.46 g
Date Analyzed:	09/29/2009 0316			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		130	440
Benzyl alcohol		ND		370	880
Bis(2-chloroethoxy)methane		ND		130	440
Bis(2-chloroethyl)ether		ND		130	440
Bis(2-ethylhexyl) phthalate		250	J B	130	440
Butyl benzyl phthalate		ND		130	440
Caprolactam		ND		130	440
Carbazole		ND		130	440
Chrysene		160	J	130	440
Dibenz(a,h)anthracene		ND		130	440
Dibenzofuran		ND		130	440
Diethyl phthalate		ND		130	440
Dimethyl phthalate		ND		130	440
Di-n-butyl phthalate		ND		390	440
Di-n-octyl phthalate		ND		220	440
Diphenyl oxide		ND		130	440
Fluoranthene		270	J	130	440
Fluorene		ND		130	440
Hexachlorobenzene		ND		130	440
Hexachlorobutadiene		ND		130	440
Hexachlorocyclopentadiene		ND		130	880
Hexachloroethane		ND		130	440
Indeno[1,2,3-cd]pyrene		ND	*	130	440
Isophorone		ND		130	440
Naphthalene		ND		130	1100
Nitrobenzene		ND		130	440
N-Nitrosodimethylamine		ND		160	440
N-Nitrosodi-n-propylamine		ND		130	440
N-Nitrosodiphenylamine		ND		130	440
Pentachlorophenol		ND		130	440
Phenanthrene		180	J	130	530
Phenol		ND		130	440
Pyrene		210	J	130	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	53		30 - 130
2-Fluorobiphenyl	47		30 - 130
2-Fluorophenol	47		30 - 130
Nitrobenzene-d5	57		30 - 130
Phenol-d5	46		30 - 130
Terphenyl-d14	52		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03207.D
Dilution:	10			Initial Weight/Volume:	30.46 g
Date Analyzed:	09/29/2009 0316			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
763-93-9	3-Hexen-2-one	5.69	390	T J N
121-33-5	Vanillin	10.59	140	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	330	T J N
629-94-7	Heneicosane	13.56	210	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	250	T J N
629-78-7	Heptadecane	14.29	210	T J N
1000144-57-9	16-Heptadecenal	14.80	190	T J N
481-74-3	9,10-Anthracenedione, 1,8-dihydroxy-3-me	14.87	150	T J N
593-45-3	Octadecane	15.00	320	T J N
67860-4-2	Oxirane, heptadecyl-	15.51	370	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03208.D
Dilution:	10			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/29/2009 0349			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	350
1,2,4,5-Tetrachlorobenzene		ND		110	350
1,2,4-Trichlorobenzene		ND		110	350
1,2-Dichlorobenzene		ND		110	350
1,3-Dichlorobenzene		ND		110	350
1,4-Dichlorobenzene		ND		110	350
1-Methylnaphthalene		ND		110	350
2,2'-oxybis[1-chloropropane]		ND		110	350
2,3,4,6-Tetrachlorophenol		ND		110	350
2,4,5-Trichlorophenol		ND		110	350
2,4,6-Trichlorophenol		ND		110	350
2,4-Dichlorophenol		ND	*	110	350
2,4-Dimethylphenol		ND		140	350
2,4-Dinitrophenol		ND		110	350
2,4-Dinitrotoluene		ND		110	350
2,6-Dinitrotoluene		ND		110	350
2-Chloronaphthalene		ND		110	350
2-Chlorophenol		ND		110	350
2-Methylnaphthalene		ND		110	350
2-Methylphenol		ND		210	350
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	350
3 & 4 Methylphenol		ND		110	350
3,3'-Dichlorobenzidine		ND		110	710
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	350
4-Chloro-3-methylphenol		ND		110	710
4-Chloroaniline		ND		110	710
4-Chlorophenyl phenyl ether		ND		110	350
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		220	J	110	350
Acenaphthylene		ND		110	350
Acetophenone		ND		110	350
Aniline		ND	*	110	350
Anthracene		280	J	110	350
Atrazine		ND		110	350
Azobenzene		ND		110	350
Benzaldehyde		ND		110	350
Benzo[a]anthracene		1000		110	350
Benzo[a]pyrene		960		110	350
Benzo[b]fluoranthene		740		110	350
Benzo[g,h,i]perylene		670		110	350
Benzo[k]fluoranthene		1000		110	350
Benzoic acid		ND		160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03208.D
Dilution:	10			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/29/2009 0349			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	350
Benzyl alcohol		ND		300	710
Bis(2-chloroethoxy)methane		ND		110	350
Bis(2-chloroethyl)ether		ND		110	350
Bis(2-ethylhexyl) phthalate		2400	B	110	350
Butyl benzyl phthalate		130	J	110	350
Caprolactam		ND		110	350
Carbazole		320	J	110	350
Chrysene		1100		110	350
Dibenz(a,h)anthracene		390		110	350
Dibenzofuran		140	J	110	350
Diethyl phthalate		ND		110	350
Dimethyl phthalate		ND		110	350
Di-n-butyl phthalate		ND		310	350
Di-n-octyl phthalate		ND		180	350
Diphenyl oxide		ND		110	350
Fluoranthene		2700		110	350
Fluorene		190	J	110	350
Hexachlorobenzene		ND		110	350
Hexachlorobutadiene		ND		110	350
Hexachlorocyclopentadiene		ND		110	710
Hexachloroethane		ND		110	350
Indeno[1,2,3-cd]pyrene		650	*	110	350
Isophorone		ND		110	350
Naphthalene		130	J	110	850
Nitrobenzene		ND		110	350
N-Nitrosodimethylamine		ND		130	350
N-Nitrosodi-n-propylamine		ND		110	350
N-Nitrosodiphenylamine		ND		110	350
Pentachlorophenol		ND		110	350
Phenanthrene		2600		110	430
Phenol		ND		110	350
Pyrene		2500		110	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	65		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	61		30 - 130
Phenol-d5	64		30 - 130
Terphenyl-d14	82		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03208.D
Dilution:	10			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/29/2009 0349			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
203-64-5	4H-Cyclopenta[def]phenanthrene	13.26	390	T J N
84-65-1	9,10-Anthracenedione	13.45	280	T J N
239-30-5	Benzo[b]naphtho[2,1-d]furan	14.06	230	T J N
69782-90-7	1,1"-Biphenyl, 2,3,3",4,4",5"-hexachloro	14.64	310	T J N
60145-22-4	1,1"-Biphenyl, 2,2",4,4",5",6-Hexachloro	14.88	350	T J N
82-5-3	7H-Benz[de]anthracen-7-one	15.20	220	T J N
544-76-3	Hexadecane	15.68	290	T J N
630-3-5	Nonacosane	16.34	900	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.85	6600	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03209.D
Dilution:	10			Initial Weight/Volume:	30.81 g
Date Analyzed:	09/29/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		100	350
1,2,4,5-Tetrachlorobenzene		ND		100	350
1,2,4-Trichlorobenzene		ND		100	350
1,2-Dichlorobenzene		ND		100	350
1,3-Dichlorobenzene		ND		100	350
1,4-Dichlorobenzene		ND		100	350
1-Methylnaphthalene		ND		100	350
2,2'-oxybis[1-chloropropane]		ND		100	350
2,3,4,6-Tetrachlorophenol		ND		100	350
2,4,5-Trichlorophenol		ND		100	350
2,4,6-Trichlorophenol		ND		100	350
2,4-Dichlorophenol		ND	*	100	350
2,4-Dimethylphenol		ND		140	350
2,4-Dinitrophenol		ND		100	350
2,4-Dinitrotoluene		ND		100	350
2,6-Dinitrotoluene		ND		100	350
2-Chloronaphthalene		ND		100	350
2-Chlorophenol		ND		100	350
2-Methylnaphthalene		ND		100	350
2-Methylphenol		ND		210	350
2-Nitroaniline		ND		100	1700
2-Nitrophenol		ND		100	350
3 & 4 Methylphenol		ND		100	350
3,3'-Dichlorobenzidine		ND		100	700
3-Nitroaniline		ND		100	1700
4,6-Dinitro-2-methylphenol		ND		100	1700
4-Bromophenyl phenyl ether		ND		100	350
4-Chloro-3-methylphenol		ND		100	700
4-Chloroaniline		ND		100	700
4-Chlorophenyl phenyl ether		ND		100	350
4-Nitroaniline		ND		100	1700
4-Nitrophenol		ND		100	1700
Acenaphthene		ND		100	350
Acenaphthylene		ND		100	350
Acetophenone		ND		100	350
Aniline		ND	*	100	350
Anthracene		ND		100	350
Atrazine		ND		100	350
Azobenzene		ND		100	350
Benzaldehyde		ND		100	350
Benzo[a]anthracene		ND		100	350
Benzo[a]pyrene		ND		100	350
Benzo[b]fluoranthene		ND		100	350
Benzo[g,h,i]perylene		ND		100	350
Benzo[k]fluoranthene		ND		100	350
Benzoic acid		ND		160	1700

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03209.D
Dilution:	10			Initial Weight/Volume:	30.81 g
Date Analyzed:	09/29/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		100	350
Benzyl alcohol		ND		300	700
Bis(2-chloroethoxy)methane		ND		100	350
Bis(2-chloroethyl)ether		ND		100	350
Bis(2-ethylhexyl) phthalate		580	B	100	350
Butyl benzyl phthalate		ND		100	350
Caprolactam		ND		100	350
Carbazole		ND		100	350
Chrysene		ND		100	350
Dibenz(a,h)anthracene		ND		100	350
Dibenzofuran		ND		100	350
Diethyl phthalate		ND		100	350
Dimethyl phthalate		ND		100	350
Di-n-butyl phthalate		ND		310	350
Di-n-octyl phthalate		ND		180	350
Diphenyl oxide		ND		100	350
Fluoranthene		ND		100	350
Fluorene		ND		100	350
Hexachlorobenzene		ND		100	350
Hexachlorobutadiene		ND		100	350
Hexachlorocyclopentadiene		ND		100	700
Hexachloroethane		ND		100	350
Indeno[1,2,3-cd]pyrene		ND	*	100	350
Isophorone		ND		100	350
Naphthalene		ND		100	830
Nitrobenzene		ND		100	350
N-Nitrosodimethylamine		ND		120	350
N-Nitrosodi-n-propylamine		ND		100	350
N-Nitrosodiphenylamine		ND		100	350
Pentachlorophenol		ND		100	350
Phenanthrene		ND		100	420
Phenol		ND		100	350
Pyrene		ND		100	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	80		30 - 130
2-Fluorobiphenyl	78		30 - 130
2-Fluorophenol	79		30 - 130
Nitrobenzene-d5	74		30 - 130
Phenol-d5	81		30 - 130
Terphenyl-d14	99		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03209.D
Dilution:	10			Initial Weight/Volume:	30.81 g
Date Analyzed:	09/29/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	200	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.72	150	T J N
112-95-8	Eicosane	14.64	120	T J N
629-99-2	Pentacosane	14.99	160	T J N
593-45-3	Octadecane	15.68	250	T J N
544-85-4	Dotriacontane	16.00	150	T J N
630-4-6	Hentriacontane	16.34	590	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.85	3600	T J N
14021-23-9	D-Friedoolean-14-ene, 3-methoxy-, (3.bet	18.63	2400	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03210.D
Dilution:	10			Initial Weight/Volume:	30.09 g
Date Analyzed:	09/29/2009 0455			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		130	440
1,2,4,5-Tetrachlorobenzene		ND		130	440
1,2,4-Trichlorobenzene		ND		130	440
1,2-Dichlorobenzene		ND		130	440
1,3-Dichlorobenzene		ND		130	440
1,4-Dichlorobenzene		ND		130	440
1-Methylnaphthalene		ND		130	440
2,2'-oxybis[1-chloropropane]		ND		130	440
2,3,4,6-Tetrachlorophenol		ND		130	440
2,4,5-Trichlorophenol		ND		130	440
2,4,6-Trichlorophenol		ND		130	440
2,4-Dichlorophenol		ND	*	130	440
2,4-Dimethylphenol		ND		170	440
2,4-Dinitrophenol		ND		130	440
2,4-Dinitrotoluene		ND		130	440
2,6-Dinitrotoluene		ND		130	440
2-Chloronaphthalene		ND		130	440
2-Chlorophenol		ND		130	440
2-Methylnaphthalene		ND		130	440
2-Methylphenol		ND		270	440
2-Nitroaniline		ND		130	2200
2-Nitrophenol		ND		130	440
3 & 4 Methylphenol		ND		130	440
3,3'-Dichlorobenzidine		ND		130	890
3-Nitroaniline		ND		130	2200
4,6-Dinitro-2-methylphenol		ND		130	2200
4-Bromophenyl phenyl ether		ND		130	440
4-Chloro-3-methylphenol		ND		130	890
4-Chloroaniline		ND		130	890
4-Chlorophenyl phenyl ether		ND		130	440
4-Nitroaniline		ND		130	2200
4-Nitrophenol		ND		130	2200
Acenaphthene		ND		130	440
Acenaphthylene		ND		130	440
Acetophenone		ND		130	440
Aniline		ND	*	130	440
Anthracene		ND		130	440
Atrazine		ND		130	440
Azobenzene		ND		130	440
Benzaldehyde		410	J	130	440
Benzo[a]anthracene		ND		130	440
Benzo[a]pyrene		ND		130	440
Benzo[b]fluoranthene		ND		130	440
Benzo[g,h,i]perylene		ND		130	440
Benzo[k]fluoranthene		ND		130	440
Benzoic acid		840	J B	200	2200

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03210.D
Dilution:	10			Initial Weight/Volume:	30.09 g
Date Analyzed:	09/29/2009 0455			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		130	440
Benzyl alcohol		ND		380	890
Bis(2-chloroethoxy)methane		ND		130	440
Bis(2-chloroethyl)ether		ND		130	440
Bis(2-ethylhexyl) phthalate		ND		130	440
Butyl benzyl phthalate		ND		130	440
Caprolactam		ND		130	440
Carbazole		ND		130	440
Chrysene		150	J	130	440
Dibenz(a,h)anthracene		280	J	130	440
Dibenzofuran		ND		130	440
Diethyl phthalate		ND		130	440
Dimethyl phthalate		ND		130	440
Di-n-butyl phthalate		ND		390	440
Di-n-octyl phthalate		ND		220	440
Diphenyl oxide		ND		130	440
Fluoranthene		230	J	130	440
Fluorene		ND		130	440
Hexachlorobenzene		ND		130	440
Hexachlorobutadiene		ND		130	440
Hexachlorocyclopentadiene		ND		130	890
Hexachloroethane		ND		130	440
Indeno[1,2,3-cd]pyrene		ND	*	130	440
Isophorone		ND		130	440
Naphthalene		ND		130	1100
Nitrobenzene		ND		130	440
N-Nitrosodimethylamine		ND		160	440
N-Nitrosodi-n-propylamine		ND		130	440
N-Nitrosodiphenylamine		ND		130	440
Pentachlorophenol		ND		130	440
Phenanthrene		160	J	130	530
Phenol		ND		130	440
Pyrene		190	J	130	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	68		30 - 130
2-Fluorobiphenyl	63		30 - 130
2-Fluorophenol	61		30 - 130
Nitrobenzene-d5	67		30 - 130
Phenol-d5	64		30 - 130
Terphenyl-d14	70		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03210.D
Dilution:	10			Initial Weight/Volume:	30.09 g
Date Analyzed:	09/29/2009 0455			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1454-85-9	1-Heptadecanol	15.03	1200	T J N
593-49-7	Heptacosane	15.68	620	T J N
297-3-0	Cyclotetracosane	15.72	2700	T J N
630-3-5	Nonacosane	16.34	4000	T J N
297-3-0	Cyclotetracosane	16.41	2000	T J N
630-4-6	Hentriacontane	17.09	4800	T J N
18435-45-5	1-Nonadecene	17.20	580	T J N
7390-81-0	Oxirane, hexadecyl-	17.84	2400	T J N
629-94-7	Heneicosane	18.04	740	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03211.D
Dilution:	10			Initial Weight/Volume:	30.45 g
Date Analyzed:	09/29/2009 0528			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	370
1,2,4,5-Tetrachlorobenzene		ND		110	370
1,2,4-Trichlorobenzene		ND		110	370
1,2-Dichlorobenzene		ND		110	370
1,3-Dichlorobenzene		ND		110	370
1,4-Dichlorobenzene		ND		110	370
1-Methylnaphthalene		ND		110	370
2,2'-oxybis[1-chloropropane]		ND		110	370
2,3,4,6-Tetrachlorophenol		ND		110	370
2,4,5-Trichlorophenol		ND		110	370
2,4,6-Trichlorophenol		ND		110	370
2,4-Dichlorophenol		ND	*	110	370
2,4-Dimethylphenol		ND		140	370
2,4-Dinitrophenol		ND		110	370
2,4-Dinitrotoluene		ND		110	370
2,6-Dinitrotoluene		ND		110	370
2-Chloronaphthalene		ND		110	370
2-Chlorophenol		ND		110	370
2-Methylnaphthalene		ND		110	370
2-Methylphenol		ND		220	370
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	370
3 & 4 Methylphenol		ND		110	370
3,3'-Dichlorobenzidine		ND		110	740
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	370
4-Chloro-3-methylphenol		ND		110	740
4-Chloroaniline		ND		110	740
4-Chlorophenyl phenyl ether		ND		110	370
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	370
Acenaphthylene		ND		110	370
Acetophenone		ND		110	370
Aniline		ND	*	110	370
Anthracene		ND		110	370
Atrazine		ND		110	370
Azobenzene		ND		110	370
Benzaldehyde		ND		110	370
Benzo[a]anthracene		ND		110	370
Benzo[a]pyrene		ND		110	370
Benzo[b]fluoranthene		110	J	110	370
Benzo[g,h,i]perylene		ND		110	370
Benzo[k]fluoranthene		ND		110	370
Benzoic acid		ND		170	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03211.D
Dilution:	10			Initial Weight/Volume:	30.45 g
Date Analyzed:	09/29/2009 0528			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	370
Benzyl alcohol		ND		310	740
Bis(2-chloroethoxy)methane		ND		110	370
Bis(2-chloroethyl)ether		ND		110	370
Bis(2-ethylhexyl) phthalate		1400	B	110	370
Butyl benzyl phthalate		ND		110	370
Caprolactam		ND		110	370
Carbazole		ND		110	370
Chrysene		140	J	110	370
Dibenz(a,h)anthracene		ND		110	370
Dibenzofuran		ND		110	370
Diethyl phthalate		ND		110	370
Dimethyl phthalate		ND		110	370
Di-n-butyl phthalate		ND		320	370
Di-n-octyl phthalate		ND		190	370
Diphenyl oxide		ND		110	370
Fluoranthene		210	J	110	370
Fluorene		ND		110	370
Hexachlorobenzene		ND		110	370
Hexachlorobutadiene		ND		110	370
Hexachlorocyclopentadiene		ND		110	740
Hexachloroethane		ND		110	370
Indeno[1,2,3-cd]pyrene		ND	*	110	370
Isophorone		ND		110	370
Naphthalene		ND		110	880
Nitrobenzene		ND		110	370
N-Nitrosodimethylamine		ND		130	370
N-Nitrosodi-n-propylamine		ND		110	370
N-Nitrosodiphenylamine		ND		110	370
Pentachlorophenol		ND		110	370
Phenanthrene		ND		110	440
Phenol		ND		110	370
Pyrene		190	J	110	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74		30 - 130
2-Fluorobiphenyl	75		30 - 130
2-Fluorophenol	73		30 - 130
Nitrobenzene-d5	68		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	78		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03211.D
Dilution:	10			Initial Weight/Volume:	30.45 g
Date Analyzed:	09/29/2009 0528			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
4237-44-9	Phenol, 2-(1-phenylethyl)-	12.23	440	T J N
84-15-1	o-Terphenyl	13.00	420	T J N
149-30-4	2-Mercaptobenzothiazole	13.33	530	T J N
2467-2-9	Phenol, 2,2''-methylenebis-	13.41	850	T J N
620-92-8	Phenol, 4,4''-methylenebis-	13.66	1100	T J N
629-92-5	Nonadecane	15.68	350	T J N
593-45-3	Octadecane	16.34	1100	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.86	63000	T J N
7098-22-8	Tetratetracontane	17.09	590	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03212.D
Dilution:	10			Initial Weight/Volume:	30.10 g
Date Analyzed:	09/29/2009 0600			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		120	390
1,2,4,5-Tetrachlorobenzene		ND		120	390
1,2,4-Trichlorobenzene		ND		120	390
1,2-Dichlorobenzene		ND		120	390
1,3-Dichlorobenzene		ND		120	390
1,4-Dichlorobenzene		ND		120	390
1-Methylnaphthalene		ND		120	390
2,2'-oxybis[1-chloropropane]		ND		120	390
2,3,4,6-Tetrachlorophenol		ND		120	390
2,4,5-Trichlorophenol		ND		120	390
2,4,6-Trichlorophenol		ND		120	390
2,4-Dichlorophenol		ND	*	120	390
2,4-Dimethylphenol		ND		160	390
2,4-Dinitrophenol		ND		120	390
2,4-Dinitrotoluene		ND		120	390
2,6-Dinitrotoluene		ND		120	390
2-Chloronaphthalene		ND		120	390
2-Chlorophenol		ND		120	390
2-Methylnaphthalene		ND		120	390
2-Methylphenol		ND		240	390
2-Nitroaniline		ND		120	2000
2-Nitrophenol		ND		120	390
3 & 4 Methylphenol		ND		120	390
3,3'-Dichlorobenzidine		ND		120	790
3-Nitroaniline		ND		120	2000
4,6-Dinitro-2-methylphenol		ND		120	2000
4-Bromophenyl phenyl ether		ND		120	390
4-Chloro-3-methylphenol		ND		120	790
4-Chloroaniline		ND		120	790
4-Chlorophenyl phenyl ether		ND		120	390
4-Nitroaniline		ND		120	2000
4-Nitrophenol		ND		120	2000
Acenaphthene		ND		120	390
Acenaphthylene		ND		120	390
Acetophenone		ND		120	390
Aniline		ND	*	120	390
Anthracene		ND		120	390
Atrazine		ND		120	390
Azobenzene		ND		120	390
Benzaldehyde		ND		120	390
Benzo[a]anthracene		120	J	120	390
Benzo[a]pyrene		130	J	120	390
Benzo[b]fluoranthene		120	J	120	390
Benzo[g,h,i]perylene		150	J	120	390
Benzo[k]fluoranthene		140	J	120	390
Benzoic acid		440	J B	180	2000

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03212.D
Dilution:	10			Initial Weight/Volume:	30.10 g
Date Analyzed:	09/29/2009 0600			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		120	390
Benzyl alcohol		ND		340	790
Bis(2-chloroethoxy)methane		ND		120	390
Bis(2-chloroethyl)ether		ND		120	390
Bis(2-ethylhexyl) phthalate		2500	B	120	390
Butyl benzyl phthalate		ND		120	390
Caprolactam		ND		120	390
Carbazole		ND		120	390
Chrysene		170	J	120	390
Dibenz(a,h)anthracene		ND		120	390
Dibenzofuran		ND		120	390
Diethyl phthalate		ND		120	390
Dimethyl phthalate		ND		120	390
Di-n-butyl phthalate		ND		350	390
Di-n-octyl phthalate		ND		200	390
Diphenyl oxide		ND		120	390
Fluoranthene		240	J	120	390
Fluorene		ND		120	390
Hexachlorobenzene		ND		120	390
Hexachlorobutadiene		ND		120	390
Hexachlorocyclopentadiene		ND		120	790
Hexachloroethane		ND		120	390
Indeno[1,2,3-cd]pyrene		160	J *	120	390
Isophorone		ND		120	390
Naphthalene		ND		120	950
Nitrobenzene		ND		120	390
N-Nitrosodimethylamine		ND		140	390
N-Nitrosodi-n-propylamine		ND		120	390
N-Nitrosodiphenylamine		390	J	120	390
Pentachlorophenol		ND		120	390
Phenanthrene		160	J	120	470
Phenol		ND		120	390
Pyrene		260	J	120	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		30 - 130
2-Fluorobiphenyl	75		30 - 130
2-Fluorophenol	78		30 - 130
Nitrobenzene-d5	71		30 - 130
Phenol-d5	76		30 - 130
Terphenyl-d14	88		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03212.D
Dilution:	10			Initial Weight/Volume:	30.10 g
Date Analyzed:	09/29/2009 0600			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.63	130	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	520	T J N
1000111-58-0	2,4-Diphenyl-4-methyl-1(E)-pentene	12.57	190	T J N
84-15-1	o-Terphenyl	13.01	590	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	170	T J N
629-78-7	Heptadecane	14.29	170	T J N
646-31-1	Tetracosane	14.65	240	T J N
629-99-2	Pentacosane	14.99	310	T J N
646-31-1	Tetracosane	16.01	400	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03213.D
Dilution:	10			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/29/2009 0633			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		100	340
1,2,4,5-Tetrachlorobenzene		ND		100	340
1,2,4-Trichlorobenzene		ND		100	340
1,2-Dichlorobenzene		ND		100	340
1,3-Dichlorobenzene		ND		100	340
1,4-Dichlorobenzene		ND		100	340
1-Methylnaphthalene		ND		100	340
2,2'-oxybis[1-chloropropane]		ND		100	340
2,3,4,6-Tetrachlorophenol		ND		100	340
2,4,5-Trichlorophenol		ND		100	340
2,4,6-Trichlorophenol		ND		100	340
2,4-Dichlorophenol		ND	*	100	340
2,4-Dimethylphenol		ND		130	340
2,4-Dinitrophenol		ND		100	340
2,4-Dinitrotoluene		ND		100	340
2,6-Dinitrotoluene		ND		100	340
2-Chloronaphthalene		ND		100	340
2-Chlorophenol		ND		100	340
2-Methylnaphthalene		ND		100	340
2-Methylphenol		ND		210	340
2-Nitroaniline		ND		100	1700
2-Nitrophenol		ND		100	340
3 & 4 Methylphenol		ND		100	340
3,3'-Dichlorobenzidine		ND		100	680
3-Nitroaniline		ND		100	1700
4,6-Dinitro-2-methylphenol		ND		100	1700
4-Bromophenyl phenyl ether		ND		100	340
4-Chloro-3-methylphenol		ND		100	680
4-Chloroaniline		ND		100	680
4-Chlorophenyl phenyl ether		ND		100	340
4-Nitroaniline		ND		100	1700
4-Nitrophenol		ND		100	1700
Acenaphthene		ND		100	340
Acenaphthylene		ND		100	340
Acetophenone		ND		100	340
Aniline		ND	*	100	340
Anthracene		ND		100	340
Atrazine		ND		100	340
Azobenzene		ND		100	340
Benzaldehyde		ND		100	340
Benzo[a]anthracene		ND		100	340
Benzo[a]pyrene		ND		100	340
Benzo[b]fluoranthene		ND		100	340
Benzo[g,h,i]perylene		ND		100	340
Benzo[k]fluoranthene		ND		100	340
Benzoic acid		ND		150	1700

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03213.D
Dilution:	10			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/29/2009 0633			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		100	340
Benzyl alcohol		ND		290	680
Bis(2-chloroethoxy)methane		ND		100	340
Bis(2-chloroethyl)ether		ND		100	340
Bis(2-ethylhexyl) phthalate		2200	B	100	340
Butyl benzyl phthalate		ND		100	340
Caprolactam		ND		100	340
Carbazole		ND		100	340
Chrysene		ND		100	340
Dibenz(a,h)anthracene		210	J	100	340
Dibenzofuran		ND		100	340
Diethyl phthalate		ND		100	340
Dimethyl phthalate		ND		100	340
Di-n-butyl phthalate		ND		300	340
Di-n-octyl phthalate		ND		170	340
Diphenyl oxide		ND		100	340
Fluoranthene		ND		100	340
Fluorene		ND		100	340
Hexachlorobenzene		ND		100	340
Hexachlorobutadiene		ND		100	340
Hexachlorocyclopentadiene		ND		100	680
Hexachloroethane		ND		100	340
Indeno[1,2,3-cd]pyrene		ND	*	100	340
Isophorone		ND		100	340
Naphthalene		ND		100	820
Nitrobenzene		ND		100	340
N-Nitrosodimethylamine		ND		120	340
N-Nitrosodi-n-propylamine		ND		100	340
N-Nitrosodiphenylamine		330	J	100	340
Pentachlorophenol		ND		100	340
Phenanthrene		ND		100	410
Phenol		ND		100	340
Pyrene		ND		100	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		30 - 130
2-Fluorobiphenyl	75		30 - 130
2-Fluorophenol	72		30 - 130
Nitrobenzene-d5	69		30 - 130
Phenol-d5	72		30 - 130
Terphenyl-d14	82		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03213.D
Dilution:	10			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/29/2009 0633			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-83-9	.alpha.-Methylstyrene	7.76	100	T J N
90-2-8	Benzaldehyde, 2-hydroxy-	8.31	130	T J N
123-8-0	Benzaldehyde, 4-hydroxy-	10.28	110	T J N
17699-5-7	Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6	10.75	80	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.62	99	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.25	380	T J N
7342-86-1	Benzo[b]thiophene, 3-chloro-	12.38	86	T J N
2467-3-0	Phenol, 2-[(4-hydroxyphenyl)methyl]-	13.42	1200	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03214.D
Dilution:	10			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/29/2009 0706			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		1200	4000
1,2,4,5-Tetrachlorobenzene		ND		1200	4000
1,2,4-Trichlorobenzene		ND		1200	4000
1,2-Dichlorobenzene		ND		1200	4000
1,3-Dichlorobenzene		ND		1200	4000
1,4-Dichlorobenzene		ND		1200	4000
1-Methylnaphthalene		ND		1200	4000
2,2'-oxybis[1-chloropropane]		ND		1200	4000
2,3,4,6-Tetrachlorophenol		ND		1200	4000
2,4,5-Trichlorophenol		ND		1200	4000
2,4,6-Trichlorophenol		ND		1200	4000
2,4-Dichlorophenol		ND	*	1200	4000
2,4-Dimethylphenol		ND		1600	4000
2,4-Dinitrophenol		ND		1200	4000
2,4-Dinitrotoluene		ND		1200	4000
2,6-Dinitrotoluene		ND		1200	4000
2-Chloronaphthalene		ND		1200	4000
2-Chlorophenol		ND		1200	4000
2-Methylnaphthalene		ND		1200	4000
2-Methylphenol		ND		2400	4000
2-Nitroaniline		ND		1200	20000
2-Nitrophenol		ND		1200	4000
3 & 4 Methylphenol		ND		1200	4000
3,3'-Dichlorobenzidine		ND		1200	8100
3-Nitroaniline		ND		1200	20000
4,6-Dinitro-2-methylphenol		ND		1200	20000
4-Bromophenyl phenyl ether		ND		1200	4000
4-Chloro-3-methylphenol		ND		1200	8100
4-Chloroaniline		ND		1200	8100
4-Chlorophenyl phenyl ether		ND		1200	4000
4-Nitroaniline		ND		1200	20000
4-Nitrophenol		ND		1200	20000
Acenaphthene		ND		1200	4000
Acenaphthylene		ND		1200	4000
Acetophenone		ND		1200	4000
Aniline		ND	*	1200	4000
Anthracene		ND		1200	4000
Atrazine		ND		1200	4000
Azobenzene		ND		1200	4000
Benzaldehyde		ND		1200	4000
Benzo[a]anthracene		ND		1200	4000
Benzo[a]pyrene		ND		1200	4000
Benzo[b]fluoranthene		ND		1200	4000
Benzo[g,h,i]perylene		ND		1200	4000
Benzo[k]fluoranthene		ND		1200	4000
Benzoic acid		5500	J B	1800	20000

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03214.D
Dilution:	10			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/29/2009 0706			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		1200	4000
Benzyl alcohol		ND		3400	8100
Bis(2-chloroethoxy)methane		ND		1200	4000
Bis(2-chloroethyl)ether		ND		1200	4000
Bis(2-ethylhexyl) phthalate		ND		1200	4000
Butyl benzyl phthalate		ND		1200	4000
Caprolactam		ND		1200	4000
Carbazole		ND		1200	4000
Chrysene		ND		1200	4000
Dibenz(a,h)anthracene		ND		1200	4000
Dibenzofuran		ND		1200	4000
Diethyl phthalate		ND		1200	4000
Dimethyl phthalate		ND		1200	4000
Di-n-butyl phthalate		ND		3500	4000
Di-n-octyl phthalate		ND		2000	4000
Diphenyl oxide		ND		1200	4000
Fluoranthene		ND		1200	4000
Fluorene		ND		1200	4000
Hexachlorobenzene		ND		1200	4000
Hexachlorobutadiene		ND		1200	4000
Hexachlorocyclopentadiene		ND		1200	8100
Hexachloroethane		ND		1200	4000
Indeno[1,2,3-cd]pyrene		ND	*	1200	4000
Isophorone		ND		1200	4000
Naphthalene		ND		1200	9700
Nitrobenzene		ND		1200	4000
N-Nitrosodimethylamine		ND		1400	4000
N-Nitrosodi-n-propylamine		ND		1200	4000
N-Nitrosodiphenylamine		ND		1200	4000
Pentachlorophenol		ND		1200	4000
Phenanthrene		ND		1200	4800
Phenol		ND		1200	4000
Pyrene		ND		1200	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		30 - 130
2-Fluorobiphenyl	49		30 - 130
2-Fluorophenol	46		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	42		30 - 130
Terphenyl-d14	64		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03214.D
Dilution:	10			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/29/2009 0706			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-1-1	Furfural	6.19	9300	T J N
1599-67-3	1-Docosene	15.02	20000	T J N
297-3-0	Cyclotetracosane	15.72	29000	T J N
56554-89-3	14-Octadecenal	16.18	6900	T J N
630-3-5	Nonacosane	16.34	21000	T J N
1599-67-3	1-Docosene	16.40	21000	T J N
7796-19-2	2-Heptacosanone	16.45	18000	T J N
22513-81-1	1,22-Docosanediol	16.92	15000	T J N
630-4-6	Hentriacontane	17.09	21000	T J N
17600-99-6	2-Nonacosanone	17.25	20000	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03215.D
Dilution:	10			Initial Weight/Volume:	30.50 g
Date Analyzed:	09/29/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	360
1,2,4,5-Tetrachlorobenzene		ND		110	360
1,2,4-Trichlorobenzene		ND		110	360
1,2-Dichlorobenzene		ND		110	360
1,3-Dichlorobenzene		ND		110	360
1,4-Dichlorobenzene		ND		110	360
1-Methylnaphthalene		ND		110	360
2,2'-oxybis[1-chloropropane]		ND		110	360
2,3,4,6-Tetrachlorophenol		ND		110	360
2,4,5-Trichlorophenol		ND		110	360
2,4,6-Trichlorophenol		ND		110	360
2,4-Dichlorophenol		ND	*	110	360
2,4-Dimethylphenol		ND		140	360
2,4-Dinitrophenol		ND		110	360
2,4-Dinitrotoluene		ND		110	360
2,6-Dinitrotoluene		ND		110	360
2-Chloronaphthalene		ND		110	360
2-Chlorophenol		ND		110	360
2-Methylnaphthalene		ND		110	360
2-Methylphenol		ND		210	360
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	360
3 & 4 Methylphenol		ND		110	360
3,3'-Dichlorobenzidine		ND		110	710
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	360
4-Chloro-3-methylphenol		ND		110	710
4-Chloroaniline		ND		110	710
4-Chlorophenyl phenyl ether		ND		110	360
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	360
Acenaphthylene		ND		110	360
Acetophenone		ND		110	360
Aniline		ND	*	110	360
Anthracene		ND		110	360
Atrazine		ND		110	360
Azobenzene		ND		110	360
Benzaldehyde		250	J	110	360
Benzo[a]anthracene		540		110	360
Benzo[a]pyrene		570		110	360
Benzo[b]fluoranthene		470		110	360
Benzo[g,h,i]perylene		420		110	360
Benzo[k]fluoranthene		480		110	360
Benzoic acid		420	J B	160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03215.D
Dilution:	10			Initial Weight/Volume:	30.50 g
Date Analyzed:	09/29/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	360
Benzyl alcohol		ND		300	710
Bis(2-chloroethoxy)methane		ND		110	360
Bis(2-chloroethyl)ether		ND		110	360
Bis(2-ethylhexyl) phthalate		880	B	110	360
Butyl benzyl phthalate		ND		110	360
Caprolactam		ND		110	360
Carbazole		ND		110	360
Chrysene		1000		110	360
Dibenz(a,h)anthracene		320	J	110	360
Dibenzofuran		ND		110	360
Diethyl phthalate		ND		110	360
Dimethyl phthalate		ND		110	360
Di-n-butyl phthalate		ND		310	360
Di-n-octyl phthalate		ND		180	360
Diphenyl oxide		ND		110	360
Fluoranthene		960		110	360
Fluorene		ND		110	360
Hexachlorobenzene		ND		110	360
Hexachlorobutadiene		ND		110	360
Hexachlorocyclopentadiene		ND		110	710
Hexachloroethane		ND		110	360
Indeno[1,2,3-cd]pyrene		320	J *	110	360
Isophorone		ND		110	360
Naphthalene		ND		110	860
Nitrobenzene		ND		110	360
N-Nitrosodimethylamine		ND		130	360
N-Nitrosodi-n-propylamine		ND		110	360
N-Nitrosodiphenylamine		ND		110	360
Pentachlorophenol		ND		110	360
Phenanthrene		410	J	110	430
Phenol		ND		110	360
Pyrene		1400		110	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		30 - 130
2-Fluorobiphenyl	70		30 - 130
2-Fluorophenol	69		30 - 130
Nitrobenzene-d5	63		30 - 130
Phenol-d5	65		30 - 130
Terphenyl-d14	88		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03215.D
Dilution:	10			Initial Weight/Volume:	30.50 g
Date Analyzed:	09/29/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	320	T J N
1000142-23-9	Tricyclo[4.3.3.0(1,6)]dodeca-7,11-diene-	14.50	730	T J N
3353-12-6	Pyrene, 4-methyl-	14.65	350	T J N
629-92-5	Nonadecane	15.00	360	T J N
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.11	320	T J N
629-78-7	Heptadecane	15.68	570	T J N
630-3-5	Nonacosane	16.34	2300	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.86	79000	T J N
112-95-8	Eicosane	17.09	990	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03216.D
Dilution:	10			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0811			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	350
1,2,4,5-Tetrachlorobenzene		ND		110	350
1,2,4-Trichlorobenzene		ND		110	350
1,2-Dichlorobenzene		ND		110	350
1,3-Dichlorobenzene		ND		110	350
1,4-Dichlorobenzene		ND		110	350
1-Methylnaphthalene		ND		110	350
2,2'-oxybis[1-chloropropane]		ND		110	350
2,3,4,6-Tetrachlorophenol		ND		110	350
2,4,5-Trichlorophenol		ND		110	350
2,4,6-Trichlorophenol		ND		110	350
2,4-Dichlorophenol		ND	*	110	350
2,4-Dimethylphenol		ND		140	350
2,4-Dinitrophenol		ND		110	350
2,4-Dinitrotoluene		ND		110	350
2,6-Dinitrotoluene		ND		110	350
2-Chloronaphthalene		ND		110	350
2-Chlorophenol		ND		110	350
2-Methylnaphthalene		ND		110	350
2-Methylphenol		ND		210	350
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	350
3 & 4 Methylphenol		ND		110	350
3,3'-Dichlorobenzidine		ND		110	710
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	350
4-Chloro-3-methylphenol		ND		110	710
4-Chloroaniline		ND		110	710
4-Chlorophenyl phenyl ether		ND		110	350
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	350
Acenaphthylene		ND		110	350
Acetophenone		ND		110	350
Aniline		ND	*	110	350
Anthracene		ND		110	350
Atrazine		ND		110	350
Azobenzene		ND		110	350
Benzaldehyde		ND		110	350
Benzo[a]anthracene		ND		110	350
Benzo[a]pyrene		ND		110	350
Benzo[b]fluoranthene		ND		110	350
Benzo[g,h,i]perylene		ND		110	350
Benzo[k]fluoranthene		ND		110	350
Benzoic acid		ND		160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03216.D
Dilution:	10			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0811			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	350
Benzyl alcohol		ND		300	710
Bis(2-chloroethoxy)methane		ND		110	350
Bis(2-chloroethyl)ether		ND		110	350
Bis(2-ethylhexyl) phthalate		2100	B	110	350
Butyl benzyl phthalate		ND		110	350
Caprolactam		ND		110	350
Carbazole		ND		110	350
Chrysene		ND		110	350
Dibenz(a,h)anthracene		ND		110	350
Dibenzofuran		ND		110	350
Diethyl phthalate		ND		110	350
Dimethyl phthalate		ND		110	350
Di-n-butyl phthalate		ND		310	350
Di-n-octyl phthalate		ND		180	350
Diphenyl oxide		ND		110	350
Fluoranthene		120	J	110	350
Fluorene		ND		110	350
Hexachlorobenzene		ND		110	350
Hexachlorobutadiene		ND		110	350
Hexachlorocyclopentadiene		ND		110	710
Hexachloroethane		ND		110	350
Indeno[1,2,3-cd]pyrene		ND	*	110	350
Isophorone		ND		110	350
Naphthalene		ND		110	850
Nitrobenzene		ND		110	350
N-Nitrosodimethylamine		ND		130	350
N-Nitrosodi-n-propylamine		ND		110	350
N-Nitrosodiphenylamine		ND		110	350
Pentachlorophenol		ND		110	350
Phenanthrene		ND		110	420
Phenol		ND		110	350
Pyrene		140	J	110	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	88		30 - 130
2-Fluorobiphenyl	82		30 - 130
2-Fluorophenol	77		30 - 130
Nitrobenzene-d5	73		30 - 130
Phenol-d5	77		30 - 130
Terphenyl-d14	96		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03216.D
Dilution:	10			Initial Weight/Volume:	30.34 g
Date Analyzed:	09/29/2009 0811			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.63	78	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	190	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	83	T J N
544-76-3	Hexadecane	15.34	140	T J N
7683-64-9	Squalene	16.19	330	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.86	73000	T J N
544-76-3	Hexadecane	17.09	1200	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03217.D
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	09/29/2009 0844			Final Weight/Volume:	2.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		470	1600
1,2,4,5-Tetrachlorobenzene		ND		470	1600
1,2,4-Trichlorobenzene		ND		470	1600
1,2-Dichlorobenzene		ND		470	1600
1,3-Dichlorobenzene		ND		470	1600
1,4-Dichlorobenzene		ND		470	1600
1-Methylnaphthalene		ND		470	1600
2,2'-oxybis[1-chloropropane]		ND		470	1600
2,3,4,6-Tetrachlorophenol		ND		470	1600
2,4,5-Trichlorophenol		ND		470	1600
2,4,6-Trichlorophenol		ND		470	1600
2,4-Dichlorophenol		ND	*	470	1600
2,4-Dimethylphenol		ND		610	1600
2,4-Dinitrophenol		ND		470	1600
2,4-Dinitrotoluene		ND		470	1600
2,6-Dinitrotoluene		ND		470	1600
2-Chloronaphthalene		ND		470	1600
2-Chlorophenol		ND		470	1600
2-Methylnaphthalene		ND		470	1600
2-Methylphenol		ND		930	1600
2-Nitroaniline		ND		470	7800
2-Nitrophenol		ND		470	1600
3 & 4 Methylphenol		ND		470	1600
3,3'-Dichlorobenzidine		ND		470	3100
3-Nitroaniline		ND		470	7800
4,6-Dinitro-2-methylphenol		ND		470	7800
4-Bromophenyl phenyl ether		ND		470	1600
4-Chloro-3-methylphenol		ND		470	3100
4-Chloroaniline		ND		470	3100
4-Chlorophenyl phenyl ether		ND		470	1600
4-Nitroaniline		ND		470	7800
4-Nitrophenol		ND		470	7800
Acenaphthene		ND		470	1600
Acenaphthylene		ND		470	1600
Acetophenone		ND		470	1600
Aniline		ND	*	470	1600
Anthracene		ND		470	1600
Atrazine		ND		470	1600
Azobenzene		ND		470	1600
Benzaldehyde		ND		470	1600
Benzo[a]anthracene		ND		470	1600
Benzo[a]pyrene		ND		470	1600
Benzo[b]fluoranthene		ND		470	1600
Benzo[g,h,i]perylene		ND		470	1600
Benzo[k]fluoranthene		ND		470	1600
Benzoic acid		2000	J B	700	7800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03217.D
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	09/29/2009 0844			Final Weight/Volume:	2.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		470	1600
Benzyl alcohol		ND		1300	3100
Bis(2-chloroethoxy)methane		ND		470	1600
Bis(2-chloroethyl)ether		ND		470	1600
Bis(2-ethylhexyl) phthalate		2900	B	470	1600
Butyl benzyl phthalate		ND		470	1600
Caprolactam		ND		470	1600
Carbazole		ND		470	1600
Chrysene		ND		470	1600
Dibenz(a,h)anthracene		ND		470	1600
Dibenzofuran		ND		470	1600
Diethyl phthalate		ND		470	1600
Dimethyl phthalate		ND		470	1600
Di-n-butyl phthalate		ND		1400	1600
Di-n-octyl phthalate		ND		780	1600
Diphenyl oxide		ND		470	1600
Fluoranthene		ND		470	1600
Fluorene		ND		470	1600
Hexachlorobenzene		ND		470	1600
Hexachlorobutadiene		ND		470	1600
Hexachlorocyclopentadiene		ND		470	3100
Hexachloroethane		ND		470	1600
Indeno[1,2,3-cd]pyrene		ND	*	470	1600
Isophorone		ND		470	1600
Naphthalene		ND		470	3700
Nitrobenzene		ND		470	1600
N-Nitrosodimethylamine		ND		550	1600
N-Nitrosodi-n-propylamine		ND		470	1600
N-Nitrosodiphenylamine		ND		470	1600
Pentachlorophenol		ND		470	1600
Phenanthrene		ND		470	1900
Phenol		ND		470	1600
Pyrene		ND		470	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	58		30 - 130
2-Fluorobiphenyl	47		30 - 130
2-Fluorophenol	41		30 - 130
Nitrobenzene-d5	51		30 - 130
Phenol-d5	40		30 - 130
Terphenyl-d14	49		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49648		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-49246		Lab File ID:	J03217.D
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	09/29/2009 0844			Final Weight/Volume:	2.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	2000	T J N
31035-7-1	9-Nonadecene	15.03	7700	T J N
593-49-7	Heptacosane	15.68	2300	T J N
297-3-0	Cyclotetracosane	15.72	17000	T J N
6920-24-7	Hexadecane-1,2-diol	16.06	2700	T J N
7390-81-0	Oxirane, hexadecyl-	16.18	3000	T J N
630-3-5	Nonacosane	16.34	2500	T J N
71502-22-2	9-Hexacosene	16.41	3900	T J N
7390-81-0	Oxirane, hexadecyl-	16.92	2000	T J N
1000194-63-7	2,2,4a,6a,8a,9,12b,14a-Octamethyl-1,2,3,	18.77	7800	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10706.D
Dilution:	10			Initial Weight/Volume:	30.54 g
Date Analyzed:	10/03/2009 2223			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	360
1,2,4,5-Tetrachlorobenzene		ND		110	360
1,2,4-Trichlorobenzene		ND		110	360
1,2-Dichlorobenzene		ND		110	360
1,3-Dichlorobenzene		ND		110	360
1,4-Dichlorobenzene		ND		110	360
1-Methylnaphthalene		ND		110	360
2,2'-oxybis[1-chloropropane]		ND		110	360
2,3,4,6-Tetrachlorophenol		ND		110	360
2,4,5-Trichlorophenol		ND		110	360
2,4,6-Trichlorophenol		ND		110	360
2,4-Dichlorophenol		ND		110	360
2,4-Dimethylphenol		ND		140	360
2,4-Dinitrophenol		ND		110	360
2,4-Dinitrotoluene		ND		110	360
2,6-Dinitrotoluene		ND		110	360
2-Chloronaphthalene		ND		110	360
2-Chlorophenol		ND		110	360
2-Methylnaphthalene		ND		110	360
2-Methylphenol		ND		210	360
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	360
3 & 4 Methylphenol		ND		110	360
3,3'-Dichlorobenzidine		ND		110	720
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	360
4-Chloro-3-methylphenol		ND		110	720
4-Chloroaniline		ND		110	720
4-Chlorophenyl phenyl ether		ND		110	360
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	360
Acenaphthylene		ND		110	360
Acetophenone		ND		110	360
Aniline		ND	*	110	360
Anthracene		ND		110	360
Atrazine		ND		110	360
Azobenzene		ND		110	360
Benzaldehyde		ND		110	360
Benzo[a]anthracene		410		110	360
Benzo[a]pyrene		480		110	360
Benzo[b]fluoranthene		640		110	360
Benzo[g,h,i]perylene		240	J	110	360
Benzo[k]fluoranthene		310	J	110	360
Benzoic acid		500	J B	160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10706.D
Dilution:	10			Initial Weight/Volume:	30.54 g
Date Analyzed:	10/03/2009 2223			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	360
Benzyl alcohol		ND		300	720
Bis(2-chloroethoxy)methane		ND		110	360
Bis(2-chloroethyl)ether		ND		110	360
Bis(2-ethylhexyl) phthalate		500		110	360
Butyl benzyl phthalate		ND		110	360
Caprolactam		ND		110	360
Carbazole		ND		110	360
Chrysene		620		110	360
Dibenz(a,h)anthracene		ND		110	360
Dibenzofuran		ND		110	360
Diethyl phthalate		ND		110	360
Dimethyl phthalate		ND		110	360
Di-n-butyl phthalate		ND		310	360
Di-n-octyl phthalate		ND		180	360
Diphenyl oxide		ND		110	360
Fluoranthene		790		110	360
Fluorene		210	J	110	360
Hexachlorobenzene		ND		110	360
Hexachlorobutadiene		ND		110	360
Hexachlorocyclopentadiene		ND		110	720
Hexachloroethane		ND		110	360
Indeno[1,2,3-cd]pyrene		260	J	110	360
Isophorone		ND		110	360
Naphthalene		ND		110	860
Nitrobenzene		ND		110	360
N-Nitrosodimethylamine		ND		130	360
N-Nitrosodi-n-propylamine		ND		110	360
N-Nitrosodiphenylamine		ND		110	360
Pentachlorophenol		ND		110	360
Phenanthrene		210	J	110	430
Phenol		ND		110	360
Pyrene		530		110	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorobiphenyl	62		30 - 130
2-Fluorophenol	69		30 - 130
Nitrobenzene-d5	60		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	64		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10706.D
Dilution:	10			Initial Weight/Volume:	30.54 g
Date Analyzed:	10/03/2009 2223			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1928-30-9	Tricosane, 2-methyl-	12.34	250	T J N
13475-76-8	Docosane, 11-butyl-	12.73	350	T J N
630-3-5	Nonacosane	13.18	360	T J N
55124-79-3	Heptadecane, 9-hexyl-	13.74	460	T J N
629-78-7	Heptadecane	14.42	1400	T J N
7225-64-1	Heptadecane, 9-octyl-	15.19	3500	T J N
192-97-2	Benzo[e]pyrene	15.26	320	T J N
74298-93-4	1,1''-Biphenyl, 2,3'',4,5''-tetrachloro-4''-	15.62	47000	T J N
544-76-3	Hexadecane	15.72	730	T J N
630-2-4	Octacosane	16.15	1700	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10707.D
Dilution:	10			Initial Weight/Volume:	30.40 g
Date Analyzed:	10/03/2009 2251			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		110	360
1,2,4,5-Tetrachlorobenzene		ND		110	360
1,2,4-Trichlorobenzene		ND		110	360
1,2-Dichlorobenzene		ND		110	360
1,3-Dichlorobenzene		ND		110	360
1,4-Dichlorobenzene		ND		110	360
1-Methylnaphthalene		ND		110	360
2,2'-oxybis[1-chloropropane]		ND		110	360
2,3,4,6-Tetrachlorophenol		ND		110	360
2,4,5-Trichlorophenol		ND		110	360
2,4,6-Trichlorophenol		ND		110	360
2,4-Dichlorophenol		ND		110	360
2,4-Dimethylphenol		ND		140	360
2,4-Dinitrophenol		ND		110	360
2,4-Dinitrotoluene		ND		110	360
2,6-Dinitrotoluene		ND		110	360
2-Chloronaphthalene		ND		110	360
2-Chlorophenol		ND		110	360
2-Methylnaphthalene		ND		110	360
2-Methylphenol		ND		220	360
2-Nitroaniline		ND		110	1800
2-Nitrophenol		ND		110	360
3 & 4 Methylphenol		ND		110	360
3,3'-Dichlorobenzidine		ND		110	720
3-Nitroaniline		ND		110	1800
4,6-Dinitro-2-methylphenol		ND		110	1800
4-Bromophenyl phenyl ether		ND		110	360
4-Chloro-3-methylphenol		ND		110	720
4-Chloroaniline		ND		110	720
4-Chlorophenyl phenyl ether		ND		110	360
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND		110	1800
Acenaphthene		ND		110	360
Acenaphthylene		ND		110	360
Acetophenone		ND		110	360
Aniline		ND	*	110	360
Anthracene		ND		110	360
Atrazine		ND		110	360
Azobenzene		ND		110	360
Benzaldehyde		ND		110	360
Benzo[a]anthracene		130	J	110	360
Benzo[a]pyrene		170	J	110	360
Benzo[b]fluoranthene		310	J	110	360
Benzo[g,h,i]perylene		160	J	110	360
Benzo[k]fluoranthene		ND		110	360
Benzoic acid		490	J B	160	1800

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10707.D
Dilution:	10			Initial Weight/Volume:	30.40 g
Date Analyzed:	10/03/2009 2251			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		110	360
Benzyl alcohol		ND		310	720
Bis(2-chloroethoxy)methane		ND		110	360
Bis(2-chloroethyl)ether		ND		110	360
Bis(2-ethylhexyl) phthalate		550		110	360
Butyl benzyl phthalate		ND		110	360
Caprolactam		ND		110	360
Carbazole		ND		110	360
Chrysene		300	J	110	360
Dibenz(a,h)anthracene		ND		110	360
Dibenzofuran		ND		110	360
Diethyl phthalate		ND		110	360
Dimethyl phthalate		ND		110	360
Di-n-butyl phthalate		ND		320	360
Di-n-octyl phthalate		ND		180	360
Diphenyl oxide		ND		110	360
Fluoranthene		430		110	360
Fluorene		210	J	110	360
Hexachlorobenzene		ND		110	360
Hexachlorobutadiene		ND		110	360
Hexachlorocyclopentadiene		ND		110	720
Hexachloroethane		ND		110	360
Indeno[1,2,3-cd]pyrene		130	J	110	360
Isophorone		ND		110	360
Naphthalene		ND		110	870
Nitrobenzene		ND		110	360
N-Nitrosodimethylamine		ND		130	360
N-Nitrosodi-n-propylamine		ND		110	360
N-Nitrosodiphenylamine		ND		110	360
Pentachlorophenol		ND		110	360
Phenanthrene		150	J	110	430
Phenol		ND		110	360
Pyrene		340	J	110	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74		30 - 130
2-Fluorobiphenyl	69		30 - 130
2-Fluorophenol	77		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	70		30 - 130
Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49826		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49345		Lab File ID:	B10707.D
Dilution:	10			Initial Weight/Volume:	30.40 g
Date Analyzed:	10/03/2009 2251			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
638-67-5	Tricosane	12.01	140	T J N
544-76-3	Hexadecane	12.34	290	T J N
1560-88-9	Octadecane, 2-methyl-	12.73	340	T J N
593-49-7	Heptacosane	13.18	390	T J N
593-49-7	Heptacosane	13.74	520	T J N
6418-46-8	Eicosane, 3-methyl-	15.19	3100	T J N
112-95-8	Eicosane	15.72	610	T J N
630-2-4	Octacosane	16.15	1700	T J N
1058-61-3	Stigmast-4-en-3-one	18.27	1700	T J N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-403-0.0/1.0-XXX**

Lab Sample ID: 360-24582-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 09/14/2009 1550
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49100		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.52 g
Dilution:	10			Final Weight/Volume:	10 mL
Date Analyzed:	09/17/2009 1341			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		140	1000
PCB-1221		ND		150	1000
PCB-1232		ND		240	1000
PCB-1242		ND		650	1000
PCB-1248		ND		230	1000
PCB-1254		ND		270	1000
PCB-1260		13000		280	1000
PCB-1262		ND		140	1000
PCB-1268		ND		220	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		30 - 150
Tetrachloro-m-xylene	117		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49100		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.78 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/17/2009 1403			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		69	510
PCB-1221		ND		77	510
PCB-1232		ND		120	510
PCB-1242		ND		320	510
PCB-1248		ND		110	510
PCB-1254		ND		130	510
PCB-1260		4800		140	510
PCB-1262		ND		69	510
PCB-1268		ND		110	510

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		30 - 150
Tetrachloro-m-xylene	36		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.59 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 1836			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		13	98
PCB-1221		ND		15	98
PCB-1232		ND		23	98
PCB-1242		ND		63	98
PCB-1248		ND		22	98
PCB-1254		ND		26	98
PCB-1260		140		27	98
PCB-1262		ND		13	98
PCB-1268		ND		21	98

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		30 - 150
Tetrachloro-m-xylene	96		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-410-0.0/1.0-XXX**

Lab Sample ID: 360-24582-15
Client Matrix: Solid
% Moisture: 5.1

Date Sampled: 09/15/2009 1015
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 1857			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	100
PCB-1221		ND		15	100
PCB-1232		ND		24	100
PCB-1242		ND		65	100
PCB-1248		ND		23	100
PCB-1254		ND		27	100
PCB-1260		ND		28	100
PCB-1262		ND		14	100
PCB-1268		ND		22	100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 1919			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	110
PCB-1221		ND		16	110
PCB-1232		ND		25	110
PCB-1242		ND		68	110
PCB-1248		ND		24	110
PCB-1254		ND		28	110
PCB-1260		ND		29	110
PCB-1262		ND		15	110
PCB-1268		ND		23	110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		30 - 150
Tetrachloro-m-xylene	98		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-413-0.0/1.0-XXX**

Lab Sample ID: 360-24582-18
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/15/2009 1130
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.26 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 1941			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	110
PCB-1221		ND		16	110
PCB-1232		ND		25	110
PCB-1242		ND		68	110
PCB-1248		ND		24	110
PCB-1254		ND		28	110
PCB-1260		ND		29	110
PCB-1262		ND		15	110
PCB-1268		ND		23	110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		30 - 150
Tetrachloro-m-xylene	87		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 2002			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	110
PCB-1221		ND		16	110
PCB-1232		ND		25	110
PCB-1242		ND		68	110
PCB-1248		ND		24	110
PCB-1254		ND		28	110
PCB-1260		ND		29	110
PCB-1262		ND		15	110
PCB-1268		ND		23	110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-49051		Instrument ID:	Inst. M
Preparation:	3546	Prep Batch: 360-49010		Initial Weight/Volume:	10.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	09/16/2009 2024			Injection Volume:	1.0 uL
Date Prepared:	09/16/2009 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	110
PCB-1221		ND		16	110
PCB-1232		ND		25	110
PCB-1242		ND		68	110
PCB-1248		ND		24	110
PCB-1254		ND		28	110
PCB-1260		ND		29	110
PCB-1262		ND		15	110
PCB-1268		ND		23	110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-61261		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60976		Lab File ID:	1I23M6.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	09/23/2009 0925			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0759			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		650		100	130
Acetaldehyde		66	J	37	260

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60957	Instrument ID:	LCM
Preparation:	8315_W_Prep	Prep Batch: 640-60840	Lab File ID:	1I18M29.d
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/18/2009 1517		Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1134		Injection Volume:	10 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Formaldehyde	ND		5.0	50
Acetaldehyde	ND		10	100

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-61236		Instrument ID:	LCK
Preparation:	LC65	Prep Batch: 640-60977		Lab File ID:	1I24K13.d
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Date Analyzed:	09/24/2009 1548			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0805			Injection Volume:	50 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		23	130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-61147	Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60871	Lab File ID:	1I21J6.d
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/21/2009 0203		Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1115		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride	ND	*	1.4	10

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2009 1235
Date Prepared: 09/18/2009 0714

Analysis Batch: 360-49209
Prep Batch: 360-49128

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.71 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8600		0.98	3.8
Antimony		0.29	J	0.27	0.75
Arsenic		4.0		0.14	1.5
Barium		41		0.098	0.75
Beryllium		0.21	J	0.038	0.30
Cadmium		0.26	J	0.011	0.30
Calcium		2800	B	3.8	15
Chromium		180		0.10	0.75
Cobalt		7.7		0.098	0.75
Copper		25		0.098	1.5
Iron		19000	B	1.2	7.5
Lead		3.0		0.086	0.75
Magnesium		5200	B	0.75	15
Manganese		140		0.10	1.5
Nickel		14		0.098	1.5
Potassium		2600		47	300
Selenium		ND		0.35	0.75
Silver		2.7		0.075	0.75
Sodium		410		20	150
Thallium		ND		0.11	1.5
Vanadium		32		0.098	1.5
Zinc		23		0.88	3.8
Tin		69	B ^	0.48	7.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/18/2009 1233
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.21 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.042	0.23

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48971		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-48947		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	09/15/2009 1231			Final Weight/Volume:	50 mL
Date Prepared:	09/15/2009 0835				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	ND		39	100
Antimony	ND		2.9	6.0
Barium	ND		2.0	10
Arsenic	ND		2.3	10
Beryllium	ND		0.20	1.0
Cadmium	ND		0.20	1.0
Calcium	78	J	59	400
Chromium	ND		1.3	5.0
Cobalt	ND		2.0	10
Copper	29		1.7	10
Iron	110		34	100
Lead	ND		1.3	5.0
Magnesium	ND		50	400
Manganese	ND		1.3	10
Nickel	ND		1.5	10
Potassium	ND		500	4000
Selenium	3.2	J	2.7	10
Silver	ND		1.8	5.0
Sodium	ND		250	2000
Tin	ND		7.0	50
Vanadium	ND		1.5	10
Thallium	3.0	J	1.4	10
Zinc	ND		10	50

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-49149		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-49066		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/18/2009 0940			Final Weight/Volume:	10 mL
Date Prepared:	09/17/2009 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.065	0.20

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2009 1238
Date Prepared: 09/18/2009 0714

Analysis Batch: 360-49209
Prep Batch: 360-49128

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.53 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3600		1.1	4.3
Antimony		ND		0.31	0.86
Arsenic		8.9		0.16	1.7
Barium		13		0.11	0.86
Beryllium		0.10	J	0.043	0.35
Cadmium		0.69		0.012	0.35
Calcium		1300	B	4.3	17
Chromium		15		0.11	0.86
Cobalt		2.9		0.11	0.86
Copper		35		0.11	1.7
Iron		36000	B	1.4	8.6
Lead		53		0.099	0.86
Magnesium		170	B	0.86	17
Manganese		100		0.12	1.7
Nickel		11		0.11	1.7
Potassium		360		54	350
Selenium		0.41	J B	0.40	0.86
Silver		ND		0.087	0.86
Sodium		ND		22	170
Thallium		ND		0.12	1.7
Vanadium		19		0.11	1.7
Zinc		19		1.0	4.3
Tin		5.3	J B ^	0.55	8.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/18/2009 1235
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.21 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12	J	0.043	0.23

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.76 g
Date Analyzed:	09/18/2009 1247			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600		0.79	3.0
Antimony		ND		0.22	0.61
Arsenic		12		0.11	1.2
Barium		16		0.079	0.61
Beryllium		0.19	J	0.030	0.24
Cadmium		0.16	J	0.0085	0.24
Calcium		890	B	3.0	12
Chromium		11		0.081	0.61
Cobalt		2.8		0.079	0.61
Copper		12		0.079	1.2
Iron		8800	B	0.97	6.1
Lead		30		0.070	0.61
Magnesium		1600	B	0.61	12
Manganese		68		0.081	1.2
Nickel		8.8		0.079	1.2
Potassium		710		38	240
Selenium		ND		0.29	0.61
Silver		ND		0.061	0.61
Sodium		21	J	16	120
Thallium		ND		0.088	1.2
Vanadium		17		0.079	1.2
Zinc		19		0.72	3.0
Tin		3.6	J B ^	0.39	6.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1236			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.036	0.20

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid
% Moisture: 25.0

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.62 g
Date Analyzed:	09/18/2009 1250			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		1.1	4.1
Antimony		ND		0.30	0.82
Arsenic		8.2		0.15	1.6
Barium		27		0.11	0.82
Beryllium		0.32	J	0.041	0.33
Cadmium		0.49		0.012	0.33
Calcium		1200	B	4.1	16
Chromium		15		0.11	0.82
Cobalt		3.2		0.11	0.82
Copper		20		0.11	1.6
Iron		18000	B	1.3	8.2
Lead		48		0.094	0.82
Magnesium		820	B	0.82	16
Manganese		60		0.11	1.6
Nickel		9.6		0.11	1.6
Potassium		370		51	330
Selenium		0.99	B	0.39	0.82
Silver		0.12	J	0.083	0.82
Sodium		39	J	21	160
Thallium		ND		0.12	1.6
Vanadium		44		0.11	1.6
Zinc		32		0.97	4.1
Tin		5.0	J B ^	0.53	8.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1257			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.16	J	0.045	0.25

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.54 g
Date Analyzed:	09/18/2009 1252			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5100		0.92	3.5
Antimony		ND		0.26	0.71
Arsenic		3.9		0.13	1.4
Barium		17		0.092	0.71
Beryllium		0.23	J	0.035	0.28
Cadmium		0.63		0.0099	0.28
Calcium		1600	B	3.5	14
Chromium		13		0.094	0.71
Cobalt		2.7		0.092	0.71
Copper		24		0.092	1.4
Iron		8600	B	1.1	7.1
Lead		27		0.081	0.71
Magnesium		1300	B	0.71	14
Manganese		110		0.094	1.4
Nickel		7.5		0.092	1.4
Potassium		820		44	280
Selenium		ND		0.33	0.71
Silver		ND		0.071	0.71
Sodium		ND		18	140
Thallium		ND		0.10	1.4
Vanadium		11		0.092	1.4
Zinc		200		0.83	3.5
Tin		4.7	J B ^	0.45	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Date Analyzed:	09/18/2009 1258			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.46		0.032	0.18

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2009 1255
Date Prepared: 09/18/2009 0714

Analysis Batch: 360-49209
Prep Batch: 360-49128

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.84 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6000		0.76	2.9
Antimony		ND		0.21	0.58
Arsenic		5.0		0.11	1.2
Barium		7.0		0.076	0.58
Beryllium		0.16	J	0.029	0.23
Cadmium		0.11	J	0.0081	0.23
Calcium		490	B	2.9	12
Chromium		8.0		0.077	0.58
Cobalt		2.3		0.076	0.58
Copper		4.9		0.076	1.2
Iron		6500	B	0.93	5.8
Lead		10		0.066	0.58
Magnesium		1000	B	0.58	12
Manganese		46		0.078	1.2
Nickel		6.6		0.076	1.2
Potassium		670		36	230
Selenium		ND		0.27	0.58
Silver		ND		0.059	0.58
Sodium		ND		15	120
Thallium		ND		0.084	1.2
Vanadium		10		0.076	1.2
Zinc		17		0.68	2.9
Tin		2.6	J B ^	0.37	5.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/18/2009 1300
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.23 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.032	0.17

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid
% Moisture: 25.2

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.70 g
Date Analyzed:	09/18/2009 1258			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14000		1.0	3.9
Antimony		ND		0.28	0.79
Arsenic		6.8		0.14	1.6
Barium		17		0.10	0.79
Beryllium		0.27	J	0.039	0.31
Cadmium		0.23	J	0.011	0.31
Calcium		600	B	3.9	16
Chromium		14		0.10	0.79
Cobalt		2.6		0.10	0.79
Copper		12		0.10	1.6
Iron		13000	B	1.3	7.9
Lead		33		0.090	0.79
Magnesium		560	B	0.79	16
Manganese		23		0.11	1.6
Nickel		6.9		0.10	1.6
Potassium		450		49	310
Selenium		0.67	J B	0.37	0.79
Silver		0.089	J	0.079	0.79
Sodium		ND		20	160
Thallium		ND		0.11	1.6
Vanadium		30		0.10	1.6
Zinc		13		0.92	3.9
Tin		4.6	J B ^	0.50	7.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1302			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.077	J	0.045	0.25

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.66 g
Date Analyzed:	09/18/2009 1301			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8300		0.88	3.4
Antimony		ND		0.24	0.68
Arsenic		5.0		0.12	1.4
Barium		9.3		0.088	0.68
Beryllium		0.21	J	0.034	0.27
Cadmium		0.26	J	0.0095	0.27
Calcium		390	B	3.4	14
Chromium		32		0.090	0.68
Cobalt		1.8		0.088	0.68
Copper		5.5		0.088	1.4
Iron		7200	B	1.1	6.8
Lead		15		0.077	0.68
Magnesium		830	B	0.68	14
Manganese		37		0.090	1.4
Nickel		6.2		0.088	1.4
Potassium		440		42	270
Selenium		ND		0.32	0.68
Silver		0.45	J	0.068	0.68
Sodium		ND		18	140
Thallium		ND		0.098	1.4
Vanadium		12		0.088	1.4
Zinc		38		0.80	3.4
Tin		12	B ^	0.43	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1304			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.038	0.21

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.89 g
Date Analyzed:	09/18/2009 1304			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6800		0.82	3.1
Antimony		ND		0.23	0.63
Arsenic		7.1		0.11	1.3
Barium		23		0.082	0.63
Beryllium		0.25	J	0.031	0.25
Cadmium		0.43		0.0088	0.25
Calcium		2100	B	3.1	13
Chromium		82		0.084	0.63
Cobalt		3.9		0.082	0.63
Copper		12		0.082	1.3
Iron		12000	B	1.0	6.3
Lead		31		0.072	0.63
Magnesium		2200	B	0.63	13
Manganese		96		0.084	1.3
Nickel		10		0.082	1.3
Potassium		740		39	250
Selenium		ND		0.29	0.63
Silver		1.1		0.063	0.63
Sodium		25	J	16	130
Thallium		ND		0.091	1.3
Vanadium		18		0.082	1.3
Zinc		60		0.74	3.1
Tin		31	B ^	0.40	6.3

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.21 g
Date Analyzed:	09/18/2009 1306			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.10	J	0.038	0.21

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid
% Moisture: 3.7

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.52 g
Date Analyzed:	09/18/2009 1307			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8300		0.89	3.4
Antimony		ND		0.25	0.68
Arsenic		5.6		0.12	1.4
Barium		29		0.089	0.68
Beryllium		0.24	J	0.034	0.27
Cadmium		0.41		0.0096	0.27
Calcium		3700	B	3.4	14
Chromium		21		0.091	0.68
Cobalt		6.6		0.089	0.68
Copper		19		0.089	1.4
Iron		16000	B	1.1	6.8
Lead		14		0.078	0.68
Magnesium		3400	B	0.68	14
Manganese		180		0.091	1.4
Nickel		15		0.089	1.4
Potassium		1200		43	270
Selenium		ND		0.32	0.68
Silver		ND		0.069	0.68
Sodium		47	J	18	140
Thallium		ND		0.099	1.4
Vanadium		44		0.089	1.4
Zinc		120		0.80	3.4
Tin		6.9	B ^	0.44	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1308			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.068	J	0.035	0.19

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid
% Moisture: 58.9

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.57 g
Date Analyzed:	09/18/2009 1310			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		2.0	7.7
Antimony		ND		0.56	1.5
Arsenic		2.8	J	0.28	3.1
Barium		81		0.20	1.5
Beryllium		0.90		0.077	0.62
Cadmium		0.50	J	0.022	0.62
Calcium		1100	B	7.7	31
Chromium		22		0.21	1.5
Cobalt		3.5		0.20	1.5
Copper		25		0.20	3.1
Iron		6900	B	2.5	15
Lead		25		0.18	1.5
Magnesium		110	B	1.5	31
Manganese		13		0.21	3.1
Nickel		12		0.20	3.1
Potassium		ND		97	620
Selenium		1.9	B	0.73	1.5
Silver		ND		0.16	1.5
Sodium		ND		40	310
Thallium		ND		0.22	3.1
Vanadium		18		0.20	3.1
Zinc		82		1.8	7.7
Tin		7.9	J B ^	0.99	15

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.21 g
Date Analyzed:	09/18/2009 1309			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.079	0.43

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2009 1313
Date Prepared: 09/18/2009 0714

Analysis Batch: 360-49209
Prep Batch: 360-49128

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.57 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9500		0.90	3.5
Antimony		ND		0.25	0.69
Arsenic		8.0		0.13	1.4
Barium		46		0.090	0.69
Beryllium		0.31		0.035	0.28
Cadmium		0.27	J	0.0097	0.28
Calcium		1800	B	3.5	14
Chromium		59		0.092	0.69
Cobalt		6.4		0.090	0.69
Copper		12		0.090	1.4
Iron		15000	B	1.1	6.9
Lead		11		0.079	0.69
Magnesium		5100	B	0.69	14
Manganese		180		0.093	1.4
Nickel		23		0.090	1.4
Potassium		3400		43	280
Selenium		ND		0.32	0.69
Silver		0.55	J	0.070	0.69
Sodium		33	J	18	140
Thallium		0.16	J	0.10	1.4
Vanadium		33		0.090	1.4
Zinc		53		0.82	3.5
Tin		21	B ^	0.44	6.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/18/2009 1311
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.21 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.035	0.19

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.68 g
Date Analyzed:	09/18/2009 1321			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6400		0.83	3.2
Antimony		ND		0.23	0.64
Arsenic		7.8		0.12	1.3
Barium		17		0.083	0.64
Beryllium		0.22	J	0.032	0.26
Cadmium		0.19	J	0.0090	0.26
Calcium		2000	B	3.2	13
Chromium		14		0.085	0.64
Cobalt		5.9		0.083	0.64
Copper		22		0.083	1.3
Iron		12000	B	1.0	6.4
Lead		8.1		0.073	0.64
Magnesium		2700	B	0.64	13
Manganese		130		0.085	1.3
Nickel		11		0.083	1.3
Potassium		930		40	260
Selenium		ND		0.30	0.64
Silver		ND		0.064	0.64
Sodium		75	J	17	130
Thallium		ND		0.092	1.3
Vanadium		18		0.083	1.3
Zinc		21		0.75	3.2
Tin		4.5	J B ^	0.41	6.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	09/18/2009 1314			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.037	0.20

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid
% Moisture: 57.4

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2009 1324
Date Prepared: 09/18/2009 0714

Analysis Batch: 360-49209
Prep Batch: 360-49128

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.68 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4000		1.8	7.0
Antimony		ND		0.51	1.4
Arsenic		2.0	J	0.25	2.8
Barium		56		0.18	1.4
Beryllium		0.19	J	0.070	0.56
Cadmium		1.1		0.020	0.56
Calcium		13000	B	7.0	28
Chromium		84		0.19	1.4
Cobalt		5.9		0.18	1.4
Copper		26		0.18	2.8
Iron		6800	B	2.2	14
Lead		80		0.16	1.4
Magnesium		1100	B	1.4	28
Manganese		93		0.19	2.8
Nickel		9.9		0.18	2.8
Potassium		380	J	87	560
Selenium		0.65	J B	0.65	1.4
Silver		1.3	J	0.14	1.4
Sodium		88	J	36	280
Thallium		ND		0.20	2.8
Vanadium		14		0.18	2.8
Zinc		59		1.6	7.0
Tin		34	B ^	0.89	14

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/18/2009 1320
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.21 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.076	0.41

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.64 g
Date Analyzed:	09/18/2009 1327			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		0.87	3.3
Antimony		ND		0.24	0.67
Arsenic		4.1		0.12	1.3
Barium		9.4		0.087	0.67
Beryllium		0.14	J	0.033	0.27
Cadmium		0.55		0.0093	0.27
Calcium		580	B	3.3	13
Chromium		56		0.089	0.67
Cobalt		2.1		0.087	0.67
Copper		31		0.087	1.3
Iron		7300	B	1.1	6.7
Lead		13		0.076	0.67
Magnesium		980	B	0.67	13
Manganese		48		0.089	1.3
Nickel		6.2		0.087	1.3
Potassium		430		42	270
Selenium		ND		0.31	0.67
Silver		0.94		0.067	0.67
Sodium		ND		17	130
Thallium		ND		0.096	1.3
Vanadium		10		0.087	1.3
Zinc		250		0.78	3.3
Tin		22	B ^	0.43	6.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Date Analyzed:	09/18/2009 1322			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.047	J	0.028	0.15

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.77 g
Date Analyzed:	09/18/2009 1221			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5200		0.81	3.1
Antimony		0.81		0.22	0.62
Arsenic		4.2		0.11	1.2
Barium		27		0.081	0.62
Beryllium		0.16	J	0.031	0.25
Cadmium		0.68		0.0087	0.25
Calcium		590	B	3.1	12
Chromium		57		0.082	0.62
Cobalt		2.0		0.081	0.62
Copper		32		0.081	1.2
Iron		8800	B	0.99	6.2
Lead		26		0.071	0.62
Magnesium		910	B	0.62	12
Manganese		53		0.083	1.2
Nickel		7.3		0.081	1.2
Potassium		440		39	250
Selenium		ND		0.29	0.62
Silver		0.88		0.062	0.62
Sodium		ND		16	120
Thallium		ND		0.090	1.2
Vanadium		9.9		0.081	1.2
Zinc		280		0.73	3.1
Tin		22	B ^	0.40	6.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49177		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49130		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Date Analyzed:	09/18/2009 1227			Final Weight/Volume:	50 mL
Date Prepared:	09/17/2009 1601				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17	J	0.032	0.18

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

General Chemistry

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-1
Client Matrix: Solid

Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48991	Date Analyzed: 09/15/2009 1623						DryWt Corrected: N
Sulfate-Soluble	210		mg/Kg	51	51	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1549						DryWt Corrected: Y
Ammonia	130		mg/Kg	7.4	7.4	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1351						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48991	Date Analyzed: 09/15/2009 1623						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	25	25	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1549						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-457-28/30-XXX**

Lab Sample ID: 360-24582-3
Client Matrix: Solid
% Moisture: 9.3
Date Sampled: 09/14/2009 1130
Date Received: 09/14/2009 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	11		mg/Kg	1.6	2.2	10	7199
Analysis Batch: 460-17979	Date Analyzed: 09/25/2009 0032						DryWt Corrected: Y
Prep Batch: 460-17585	Date Prepared: 09/22/2009 0940						

Analyte	Result	Qual	Units	Dil	Method
Oxidation Reduction Potential-Soluble	370		millivolts	1.0	SM 2580B
Analysis Batch: 460-17161	Date Analyzed: 09/16/2009 1813				DryWt Corrected: N
pH	7.77		SU	1.0	9045C
Analysis Batch: 460-17548	Date Analyzed: 09/21/2009 1617				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17416	Date Analyzed: 09/19/2009 1859						DryWt Corrected: N
Percent Solids	91		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17416	Date Analyzed: 09/19/2009 1859						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-EBK-010**

Lab Sample ID: 360-24582-4FB
Client Matrix: Water

Date Sampled: 09/14/2009 1300
Date Received: 09/14/2009 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Sulfate	ND		mg/L	2.0	2.0	1.0	300.0
Analysis Batch: 360-49301	Date Analyzed: 09/21/2009 2151						
Ammonia	ND		mg/L	0.10	0.10	1.0	L107-06-1B
Analysis Batch: 360-49292	Date Analyzed: 09/22/2009 0920						
Prep Batch: 360-49242	Date Prepared: 09/21/2009 1413						
Chloride	ND		mg/L	1.0	1.0	1.0	300.0
Analysis Batch: 360-49301	Date Analyzed: 09/21/2009 2151						

General Chemistry

Client Sample ID: **OC-SS-400-0.0/1.0-XXX**

Lab Sample ID: 360-24582-5
Client Matrix: Solid

Date Sampled: 09/14/2009 1440
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	52	52	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1604						DryWt Corrected: Y
Ammonia	240		mg/Kg	8.6	8.6	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1352						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	26	26	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1604						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-401-0.1/1.0-XXX**

Lab Sample ID: 360-24582-6
Client Matrix: Solid

Date Sampled: 09/14/2009 1505
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	42	42	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1620						DryWt Corrected: Y
Ammonia	83		mg/Kg	7.2	7.2	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1353						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	93		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1620						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-402-0.0/1.0-XXX**

Lab Sample ID: 360-24582-7
Client Matrix: Solid

Date Sampled: 09/14/2009 1530
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	54	54	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1635						DryWt Corrected: Y
Ammonia	270		mg/Kg	8.2	8.2	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1354						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	27	27	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1635						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-403-0.0/1.0-XXX**

Lab Sample ID: 360-24582-8
Client Matrix: Solid

Date Sampled: 09/14/2009 1550
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Percent Solids	94		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SS-404-0.0/1.0-XXX**

Lab Sample ID: 360-24582-9
Client Matrix: Solid

Date Sampled: 09/14/2009 1610
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1650						DryWt Corrected: Y
Ammonia	50		mg/Kg	6.9	6.9	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1355						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1650						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-405-0.0/1.0-XXX**

Lab Sample ID: 360-24582-10
Client Matrix: Solid

Date Sampled: 09/14/2009 1630
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1705						DryWt Corrected: Y
Ammonia	40		mg/Kg	6.4	6.4	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1356						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	93		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-49554	Date Analyzed: 09/25/2009 1705						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-406-0.0/1.0.-XXX**

Lab Sample ID: 360-24582-11
Client Matrix: Solid

Date Sampled: 09/15/2009 0835
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	53	53	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1820						DryWt Corrected: Y
Ammonia	200		mg/Kg	8.1	8.1	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1357						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	27	27	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1820						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-407-0.0/1.0-XXX**

Lab Sample ID: 360-24582-12
Client Matrix: Solid

Date Sampled: 09/15/2009 0905
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	45	45	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1835						DryWt Corrected: Y
Ammonia	77		mg/Kg	5.8	5.8	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1358						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	89		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1835						DryWt Corrected: Y

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

General Chemistry

Client Sample ID: **OC-SS-408-0.0/1.0-XXX**

Lab Sample ID: 360-24582-13
Client Matrix: Solid

Date Sampled: 09/15/2009 0930
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	47	47	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1851						DryWt Corrected: Y
Ammonia	100		mg/Kg	6.8	6.8	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1401						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	24	24	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1851						DryWt Corrected: Y

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

General Chemistry

Client Sample ID: **OC-SS-409-0.0/1.0-XXX**

Lab Sample ID: 360-24582-14
Client Matrix: Solid

Date Sampled: 09/15/2009 1000
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	41	41	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1905						DryWt Corrected: Y
Ammonia	36		mg/Kg	7.1	7.1	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1402						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	96		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	20	20	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1905						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-410-0.0/1.0-XXX**

Lab Sample ID: 360-24582-15
Client Matrix: Solid

Date Sampled: 09/15/2009 1015
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Percent Solids	95		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SS-411-0.0/1.0-XXX**

Lab Sample ID: 360-24582-16
Client Matrix: Solid

Date Sampled: 09/15/2009 1055
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	59		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	97	97	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1919						DryWt Corrected: Y
Ammonia	810		mg/Kg	16	16	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1403						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	41		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	48	48	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1919						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-412-0.0/1.0-XXX**

Lab Sample ID: 360-24582-17
Client Matrix: Solid

Date Sampled: 09/15/2009 1120
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1934						DryWt Corrected: Y
Ammonia	64		mg/Kg	6.3	6.3	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1404						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1934						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-413-0.0/1.0-XXX**

Lab Sample ID: 360-24582-18
Client Matrix: Solid

Date Sampled: 09/15/2009 1130
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SS-414-0.0/1.0-XXX**

Lab Sample ID: 360-24582-19
Client Matrix: Solid

Date Sampled: 09/15/2009 1155
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1949						DryWt Corrected: Y
Ammonia	50		mg/Kg	6.3	6.3	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1405						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	93		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 1949						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-415-0.0/1.0-XXX**

Lab Sample ID: 360-24582-20
Client Matrix: Solid

Date Sampled: 09/15/2009 1215
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	57		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	94	94	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2005						DryWt Corrected: Y
Ammonia	670		mg/Kg	14	14	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1406						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	43		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	55		mg/Kg	47	47	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2005						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-21
Client Matrix: Solid

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2020						DryWt Corrected: Y
Ammonia	51		mg/Kg	7.2	7.2	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1407						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2020						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-22
Client Matrix: Solid

Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2135						DryWt Corrected: Y
Ammonia	41		mg/Kg	6.7	6.7	1.0	L107-06-1B
Analysis Batch: 360-49363	Date Analyzed: 09/23/2009 1408						DryWt Corrected: Y
Prep Batch: 360-49360	Date Prepared: 09/23/2009 1117						
Percent Solids	91		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-49023	Date Analyzed: 09/16/2009 1339						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-49555	Date Analyzed: 09/25/2009 2135						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SS-416-0.0/1.0-DUP**

Lab Sample ID: 360-24582-24
Client Matrix: Solid
% Moisture: 26.5
Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	6.4		mg/Kg	2.0	2.8	10	7199
Analysis Batch: 460-17979	Date Analyzed: 09/25/2009 0047						DryWt Corrected: Y
Prep Batch: 460-17585	Date Prepared: 09/22/2009 0940						

Analyte	Result	Qual	Units			Dil	Method
pH	6.24		SU			1.0	9045C
Analysis Batch: 460-17510	Date Analyzed: 09/18/2009 1847						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	520		millivolts			1.0	SM 2580B
Analysis Batch: 460-17544	Date Analyzed: 09/21/2009 1723						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	27		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17274	Date Analyzed: 09/17/2009 2328						DryWt Corrected: N
Percent Solids	73		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17274	Date Analyzed: 09/17/2009 2328						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SS-416-0.0/1.0-XXX**

Lab Sample ID: 360-24582-25
Client Matrix: Solid
% Moisture: 8.4
Date Sampled: 09/15/2009 1240
Date Received: 09/15/2009 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	7.3		mg/Kg	1.6	2.2	10	7199
Analysis Batch: 460-17979	Date Analyzed: 09/24/2009 2319						DryWt Corrected: Y
Prep Batch: 460-17585	Date Prepared: 09/22/2009 0940						

Analyte	Result	Qual	Units			Dil	Method
pH	6.38		SU			1.0	9045C
Analysis Batch: 460-17510	Date Analyzed: 09/18/2009 1845						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	290		millivolts			1.0	SM 2580B
Analysis Batch: 460-17544	Date Analyzed: 09/21/2009 1725						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17274	Date Analyzed: 09/17/2009 2328						DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-17274	Date Analyzed: 09/17/2009 2328						DryWt Corrected: N

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-24582-1	OC-SB-457-28/30-XXX	98	102	97
360-24582-2	OC-TBK-018	99	102	97
360-24582-5	OC-SS-400-0.0/1.0-XXX	104	100	100
360-24582-6	OC-SS-401-0.1/1.0-XXX	99	99	94
360-24582-7	OC-SS-402-0.0/1.0-XXX	103	100	95
360-24582-9	OC-SS-404-0.0/1.0-XXX	104	100	101
360-24582-10	OC-SS-405-0.0/1.0-XXX	103	100	102
360-24582-11	OC-SS-406-0.0/1.0.-XXX	104	98	102
360-24582-12	OC-SS-407-0.0/1.0-XXX	101	101	103
360-24582-13	OC-SS-408-0.0/1.0-XXX	101	100	102
360-24582-14	OC-SS-409-0.0/1.0-XXX	99	104	92
360-24582-16	OC-SS-411-0.0/1.0-XXX	105	101	100
360-24582-17	OC-SS-412-0.0/1.0-XXX	99	103	95
360-24582-19	OC-SS-414-0.0/1.0-XXX	103	102	101
360-24582-20	OC-SS-415-0.0/1.0-XXX	103	99	92
360-24582-21	OC-SS-416-0.0/1.0-DUP	101	102	97
360-24582-22	OC-SS-416-0.0/1.0-XXX	97	104	91
360-24582-23	OC-TBK-019	103	101	102
MB 360-49046/3-A		100	101	105
MB 360-49099/3-A		101	99	103

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
MB 360-49178/3-A		99	101	101
LCS 360-49046/1-A		93	106	90
LCS 360-49099/1-A		94	106	90
LCS 360-49178/1-A		98	101	96
LCSD 360-49046/2-A		102	102	96
LCSD 360-49099/2-A		99	101	97
LCSD 360-49178/2-A		99	100	96
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	100	102	92
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	99	99	94

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-24582-4	OC-EBK-010	127	93	87
MB 360-49119/6		112	96	85
LCS 360-49119/3		100	103	98
LCSD 360-49119/4		101	104	98

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
360-24582-1	OC-SB-457-28/30-XXX	57	65	53	59	73	95
360-24582-1	OC-SB-457-28/30-XXX	64	58	64	58	68	63
360-24582-5	OC-SS-400-0.0/1.0-XXX	56	57	64	56	63	62
360-24582-6	OC-SS-401-0.1/1.0-XXX	70	71	70	72	74	88
360-24582-7	OC-SS-402-0.0/1.0-XXX	47	46	57	47	53	52
360-24582-9	OC-SS-404-0.0/1.0-XXX	64	64	61	65	65	82
360-24582-10	OC-SS-405-0.0/1.0-XXX	79	81	74	78	80	99
360-24582-11	OC-SS-406-0.0/1.0.-XXX	61	64	67	63	68	70
360-24582-12	OC-SS-407-0.0/1.0-XXX	73	69	68	75	74	78
360-24582-13	OC-SS-408-0.0/1.0-XXX	78	76	71	75	85	88
360-24582-14	OC-SS-409-0.0/1.0-XXX	72	72	69	75	81	82
360-24582-16	OC-SS-411-0.0/1.0-XXX	46	42	65	49	83	64
360-24582-17	OC-SS-412-0.0/1.0-XXX	69	65	63	70	79	88
360-24582-19	OC-SS-414-0.0/1.0-XXX	77	77	73	82	88	96
360-24582-20	OC-SS-415-0.0/1.0-XXX	41	40	51	47	58	49
360-24582-21	OC-SS-416-0.0/1.0-DUP	69	66	60	62	66	64
360-24582-22	OC-SS-416-0.0/1.0-XXX	77	70	64	69	74	73
MB 360-49246/1-A		80	75	78	71	78	86
MB 360-49302/1-A		71	76	61	68	75	80

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MB 360-49345/1-A		98	87	79	77	74	81
LCS 360-49246/2-A		63	66	89	80	86	80
LCS 360-49302/2-A		54	58	67	66	77	69
LCS 360-49345/2-A		72	65	67	73	75	68
LCSD 360-49246/3-A		64	67	83	81	88	81
LCSD 360-49302/3-A		53	57	67	68	79	87
LCSD 360-49345/3-A		76	71	74	80	79	71
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	69	67	61	65	68	64
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	62	64	66	64	71	62

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
360-24582-4	OC-EBK-010	23	12X	81	73	75	91
MB 360-48980/1-A		26	13X	81	69	67	87
LCS 360-48980/2-A		22	11X	60	70	78	79
LCSD 360-48980/3-A		22	12X	61	75	79	76

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	15-110
PHL = Phenol-d5	15-110
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	15-110
TPH = Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
360-24582-8	OC-SS-403-0.0/1.0-XXX	117	99
360-24582-9	OC-SS-404-0.0/1.0-XXX	36	125
360-24582-14	OC-SS-409-0.0/1.0-XXX	96	80
360-24582-15	OC-SS-410-0.0/1.0-XXX	102	86
360-24582-17	OC-SS-412-0.0/1.0-XXX	98	85
360-24582-18	OC-SS-413-0.0/1.0-XXX	87	114
360-24582-21	OC-SS-416-0.0/1.0-DUP	94	87
360-24582-22	OC-SS-416-0.0/1.0-XXX	94	83
MB 360-49010/1-A		91	93
LCS 360-49010/2-A		87	92
LCSD 360-49010/3-A		89	94
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	95	81
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	92	81

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49046

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49046/3-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45054.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1858			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
Acetone	ND		18	250
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49046

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49046/3-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45054.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1858			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	100	70 - 130
Toluene-d8 (Surr)	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank TICs- Batch: 360-49046

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	10.36	1.22	T J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49046/1-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45049.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1701			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

LCSD Lab Sample ID:	LCSD 360-49046/2-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1725			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	83	97	70 - 130	15	25		
1,1,1,2-Tetrachloroethane	89	103	70 - 130	14	25		
1,1,2,2-Tetrachloroethane	82	88	70 - 130	7	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	79	89	70 - 130	12	25		
1,1,2-Trichloroethane	91	92	70 - 130	0	25		
1,1-Dichloroethane	90	102	70 - 130	13	25		
1,1-Dichloroethene	85	101	70 - 130	17	25		
1,1-Dichloropropene	88	91	70 - 130	3	25		
1,2,3-Trichlorobenzene	96	93	70 - 130	3	25		
1,2,3-Trichloropropane	93	107	70 - 130	13	25		
1,2,4-Trichlorobenzene	97	96	70 - 130	2	25		
1,2,4-Trimethylbenzene	84	97	70 - 130	14	25		
1,2-Dibromo-3-Chloropropane	82	88	70 - 130	7	25		
Ethylene Dibromide	92	91	70 - 130	1	25		
1,2-Dichlorobenzene	92	93	70 - 130	2	25		
1,2-Dichloroethane	89	92	70 - 130	4	25		
1,2-Dichloropropane	102	106	70 - 130	4	25		
1,3,5-Trimethylbenzene	88	100	70 - 130	12	25		
1,3-Dichlorobenzene	83	96	70 - 130	14	25		
1,3-Dichloropropane	92	89	70 - 130	4	25		
1,4-Dichlorobenzene	93	93	70 - 130	1	25		
1,4-Dioxane	102	119	70 - 130	16	25		
2,2-Dichloropropane	93	128	70 - 130	31	25		*
2,4,4-Trimethyl-1-pentene	87	100	70 - 130	14	25		
2,4,4-Trimethyl-2-pentene	85	91	70 - 130	7	25		
2-Chlorotoluene	85	96	70 - 130	12	25		
2-Hexanone	82	83	70 - 130	1	25		
4-Chlorotoluene	86	95	70 - 130	10	25		
Acetone	83	106	70 - 130	24	25		
Benzene	92	96	70 - 130	4	25		
Bromobenzene	82	92	70 - 130	11	25		
Chlorobromomethane	84	94	70 - 130	11	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49046/1-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45049.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1701			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

LCSD Lab Sample ID:	LCSD 360-49046/2-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1725			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	92	90	70 - 130	3	25		
Bromoform	86	82	70 - 130	5	25		
Bromomethane	93	115	70 - 130	21	25		
n-Butylbenzene	98	98	70 - 130	1	25		
Carbon disulfide	83	99	70 - 130	17	25		
Carbon tetrachloride	83	94	70 - 130	12	25		
Chlorobenzene	95	96	70 - 130	0	25		
Chloroethane	84	104	70 - 130	21	25		
Chloroform	88	99	70 - 130	12	25		
Chloromethane	81	98	70 - 130	19	25		
cis-1,2-Dichloroethene	86	97	70 - 130	12	25		
cis-1,3-Dichloropropene	95	87	70 - 130	8	25		
Cyclohexane	79	92	70 - 130	15	25		
Chlorodibromomethane	88	86	70 - 130	2	25		
Dibromomethane	90	92	70 - 130	3	25		
Dichlorodifluoromethane	46	56	70 - 130	20	25	*	*
Ethyl ether	86	100	70 - 130	15	25		
Isopropyl ether	80	96	70 - 130	18	25		
Tert-butyl ethyl ether	79	99	70 - 130	23	25		
Ethylbenzene	99	102	70 - 130	4	25		
Hexachlorobutadiene	99	92	70 - 130	7	25		
Isopropylbenzene	91	100	70 - 130	9	25		
Methyl acetate	97	119	70 - 130	20	25		
2-Butanone (MEK)	83	89	70 - 130	7	25		
4-Methyl-2-pentanone (MIBK)	80	93	70 - 130	15	25		
Methyl tert-butyl ether	76	96	70 - 130	24	25		
Methylcyclohexane	81	93	70 - 130	13	25		
Methylene Chloride	90	109	70 - 130	18	25		
m-Xylene & p-Xylene	92	95	70 - 130	4	25		
Naphthalene	84	84	70 - 130	0	25		
N-Propylbenzene	89	98	70 - 130	9	25		
o-Xylene	88	97	70 - 130	10	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49046/1-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45049.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1701			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

LCSD Lab Sample ID:	LCSD 360-49046/2-A	Analysis Batch:	360-49049	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49046	Lab File ID:	V45050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/16/2009 1725			Final Weight/Volume:	5 g
Date Prepared:	09/16/2009 1532				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	91	103	70 - 130	12	25		
sec-Butylbenzene	88	99	70 - 130	11	25		
Styrene	91	94	70 - 130	4	25		
Tert-amyl methyl ether	79	99	70 - 130	22	25		
tert-Butylbenzene	90	100	70 - 130	11	25		
Tetrachloroethene	104	94	70 - 130	10	25		
Tetrahydrofuran	94	107	70 - 130	13	25		
Toluene	101	98	70 - 130	3	25		
trans-1,2-Dichloroethene	81	95	70 - 130	16	25		
trans-1,3-Dichloropropene	95	89	70 - 130	6	25		
Trichloroethene	98	97	70 - 130	1	25		
Trichlorofluoromethane	76	86	70 - 130	13	25		
Vinyl chloride	78	92	70 - 130	16	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	90	96	70 - 130
Dibromofluoromethane	93	102	70 - 130
Toluene-d8 (Surr)	106	102	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49046/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49046/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/16/2009 1701			Date Analyzed:	09/16/2009 1725
Date Prepared:	09/16/2009 1532			Date Prepared:	09/16/2009 1532

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
1,1,1-Trichloroethane	100	100	83.2	96.6	
1,1,1,2-Tetrachloroethane	100	100	89.0	103	
1,1,2,2-Tetrachloroethane	100	100	82.2	88.4	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	79.3	89.2	
1,1,2-Trichloroethane	100	100	91.1	91.5	
1,1-Dichloroethane	100	100	89.9	102	
1,1-Dichloroethene	100	100	85.1	101	
1,1-Dichloropropene	100	100	88.2	91.1	
1,2,3-Trichlorobenzene	100	100	96.5	93.5	
1,2,3-Trichloropropane	100	100	93.4	107	
1,2,4-Trichlorobenzene	100	100	97.2	95.5	
1,2,4-Trimethylbenzene	100	100	84.4	97.0	
1,2-Dibromo-3-Chloropropane	100	100	82.4	88.1	
Ethylene Dibromide	100	100	92.4	91.5	
1,2-Dichlorobenzene	100	100	91.6	93.3	
1,2-Dichloroethane	100	100	88.7	92.3	
1,2-Dichloropropane	100	100	102	106	
1,3,5-Trimethylbenzene	100	100	88.5	100	
1,3-Dichlorobenzene	100	100	83.2	95.8	
1,3-Dichloropropane	100	100	91.8	88.6	
1,4-Dichlorobenzene	100	100	93.5	92.8	
1,4-Dioxane	1000	1000	1020	1190	
2,2-Dichloropropane	100	100	93.0	128	*
2,4,4-Trimethyl-1-pentene	100	100	87.3	100	
2,4,4-Trimethyl-2-pentene	100	100	84.5	90.9	
2-Chlorotoluene	100	100	85.1	95.9	
2-Hexanone	1000	1000	824	834	
4-Chlorotoluene	100	100	85.9	94.8	
Acetone	1000	1000	829	1060	
Benzene	100	100	91.9	95.7	
Bromobenzene	100	100	82.5	91.8	
Chlorobromomethane	100	100	84.4	94.2	
Dichlorobromomethane	100	100	92.2	89.9	
Bromoform	100	100	85.7	81.6	
Bromomethane	100	100	93.1	115	
n-Butylbenzene	100	100	98.4	97.6	
Carbon disulfide	100	100	83.3	98.9	
Carbon tetrachloride	100	100	83.3	93.5	
Chlorobenzene	100	100	95.4	95.5	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49046/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49046/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/16/2009 1701			Date Analyzed:	09/16/2009 1725
Date Prepared:	09/16/2009 1532			Date Prepared:	09/16/2009 1532

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	83.8		104	
Chloroform	100	100	87.9		98.7	
Chloromethane	100	100	81.5		98.1	
cis-1,2-Dichloroethene	100	100	85.8		97.2	
cis-1,3-Dichloropropene	100	100	95.1		87.4	
Cyclohexane	100	100	79.4		91.8	
Chlorodibromomethane	100	100	87.6		85.7	
Dibromomethane	100	100	89.9		92.4	
Dichlorodifluoromethane	100	100	45.6	*	56.0	*
Ethyl ether	100	100	86.5		100	
Isopropyl ether	100	100	79.8		95.7	
Tert-butyl ethyl ether	100	100	78.7		98.6	
Ethylbenzene	100	100	98.7		102	
Hexachlorobutadiene	100	100	98.6		92.1	
Isopropylbenzene	100	100	91.1		100	
Methyl acetate	1000	1000	967		1190	
2-Butanone (MEK)	1000	1000	830		888	
4-Methyl-2-pentanone (MIBK)	1000	1000	798		926	
Methyl tert-butyl ether	100	100	75.5		96.4	
Methylcyclohexane	100	100	81.3		92.8	
Methylene Chloride	100	100	90.4		109	
m-Xylene & p-Xylene	200	200	183		191	
Naphthalene	100	100	83.6		83.7	
N-Propylbenzene	100	100	88.9		97.5	
o-Xylene	100	100	88.3		97.3	
4-Isopropyltoluene	100	100	91.2		103	
sec-Butylbenzene	100	100	88.3		98.8	
Styrene	100	100	90.9		94.2	
Tert-amyl methyl ether	100	100	79.0		98.7	
tert-Butylbenzene	100	100	90.2		100	
Tetrachloroethene	100	100	104		94.2	
Tetrahydrofuran	1000	1000	939		1070	
Toluene	100	100	101		98.2	
trans-1,2-Dichloroethene	100	100	81.4		95.5	
trans-1,3-Dichloropropene	100	100	95.2		89.2	
Trichloroethene	100	100	98.4		97.0	
Trichlorofluoromethane	100	100	75.6		86.1	
Vinyl chloride	100	100	78.1		91.6	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49099

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49099/3-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45091.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1502			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
Acetone	ND		18	250
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49099

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49099/3-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45091.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1502			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank TICs- Batch: 360-49099

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	2.84	2.87	T J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49099

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49099/1-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45088.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1351			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

LCSD Lab Sample ID:	LCSD 360-49099/2-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45089.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1415			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	84	96	70 - 130	13	25		
1,1,1,2-Tetrachloroethane	88	104	70 - 130	16	25		
1,1,2,2-Tetrachloroethane	82	87	70 - 130	6	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	85	99	70 - 130	15	25		
1,1,2-Trichloroethane	93	92	70 - 130	2	25		
1,1-Dichloroethane	88	99	70 - 130	11	25		
1,1-Dichloroethene	88	100	70 - 130	13	25		
1,1-Dichloropropene	92	96	70 - 130	5	25		
1,2,3-Trichlorobenzene	95	99	70 - 130	5	25		
1,2,3-Trichloropropane	93	112	70 - 130	19	25		
1,2,4-Trichlorobenzene	96	100	70 - 130	4	25		
1,2,4-Trimethylbenzene	83	99	70 - 130	18	25		
1,2-Dibromo-3-Chloropropane	85	87	70 - 130	3	25		
Ethylene Dibromide	93	91	70 - 130	2	25		
1,2-Dichlorobenzene	89	94	70 - 130	6	25		
1,2-Dichloroethane	89	92	70 - 130	3	25		
1,2-Dichloropropane	101	105	70 - 130	3	25		
1,3,5-Trimethylbenzene	87	102	70 - 130	16	25		
1,3-Dichlorobenzene	82	99	70 - 130	19	25		
1,3-Dichloropropane	94	89	70 - 130	5	25		
1,4-Dichlorobenzene	91	94	70 - 130	4	25		
1,4-Dioxane	103	119	70 - 130	15	25		
2,2-Dichloropropane	91	110	70 - 130	19	25		
2,4,4-Trimethyl-1-pentene	94	111	70 - 130	16	25		
2,4,4-Trimethyl-2-pentene	92	105	70 - 130	12	25		
2-Chlorotoluene	83	96	70 - 130	14	25		
2-Hexanone	83	85	70 - 130	2	25		
4-Chlorotoluene	84	98	70 - 130	15	25		
Acetone	80	84	70 - 130	5	25		
Benzene	91	96	70 - 130	6	25		
Bromobenzene	80	92	70 - 130	14	25		
Chlorobromomethane	85	93	70 - 130	9	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49099

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49099/1-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45088.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1351			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

LCSD Lab Sample ID:	LCSD 360-49099/2-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45089.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1415			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	91	90	70 - 130	1	25		
Bromoform	89	84	70 - 130	5	25		
Bromomethane	91	109	70 - 130	18	25		
n-Butylbenzene	96	101	70 - 130	4	25		
Carbon disulfide	82	95	70 - 130	15	25		
Carbon tetrachloride	88	99	70 - 130	12	25		
Chlorobenzene	95	99	70 - 130	4	25		
Chloroethane	82	100	70 - 130	20	25		
Chloroform	87	98	70 - 130	11	25		
Chloromethane	79	95	70 - 130	19	25		
cis-1,2-Dichloroethene	85	95	70 - 130	12	25		
cis-1,3-Dichloropropene	95	89	70 - 130	6	25		
Cyclohexane	88	96	70 - 130	8	25		
Chlorodibromomethane	88	87	70 - 130	1	25		
Dibromomethane	90	93	70 - 130	3	25		
Dichlorodifluoromethane	51	65	70 - 130	24	25	*	*
Ethyl ether	88	96	70 - 130	9	25		
Isopropyl ether	79	91	70 - 130	14	25		
Tert-butyl ethyl ether	79	93	70 - 130	16	25		
Ethylbenzene	98	105	70 - 130	7	25		
Hexachlorobutadiene	100	101	70 - 130	0	25		
Isopropylbenzene	91	104	70 - 130	13	25		
Methyl acetate	107	114	70 - 130	7	25		
2-Butanone (MEK)	83	93	70 - 130	11	25		
4-Methyl-2-pentanone (MIBK)	80	92	70 - 130	14	25		
Methyl tert-butyl ether	76	91	70 - 130	18	25		
Methylcyclohexane	93	99	70 - 130	6	25		
Methylene Chloride	85	97	70 - 130	14	25		
m-Xylene & p-Xylene	91	99	70 - 130	8	25		
Naphthalene	84	88	70 - 130	5	25		
N-Propylbenzene	88	101	70 - 130	15	25		
o-Xylene	86	98	70 - 130	13	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49099

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49099/1-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45088.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1351			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

LCSD Lab Sample ID:	LCSD 360-49099/2-A	Analysis Batch:	360-49101	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49099	Lab File ID:	V45089.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/17/2009 1415			Final Weight/Volume:	5 g
Date Prepared:	09/17/2009 1218				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	90	107	70 - 130	18	25		
sec-Butylbenzene	88	105	70 - 130	18	25		
Styrene	88	95	70 - 130	8	25		
Tert-amyl methyl ether	81	95	70 - 130	16	25		
tert-Butylbenzene	89	106	70 - 130	17	25		
Tetrachloroethene	107	104	70 - 130	3	25		
Tetrahydrofuran	96	101	70 - 130	5	25		
Toluene	100	99	70 - 130	1	25		
trans-1,2-Dichloroethene	79	90	70 - 130	13	25		
trans-1,3-Dichloropropene	97	89	70 - 130	9	25		
Trichloroethene	98	102	70 - 130	4	25		
Trichlorofluoromethane	84	99	70 - 130	16	25		
Vinyl chloride	81	97	70 - 130	18	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	90	97	70 - 130
Dibromofluoromethane	94	99	70 - 130
Toluene-d8 (Surr)	106	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49099

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49099/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49099/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 1351			Date Analyzed:	09/17/2009 1415
Date Prepared:	09/17/2009 1218			Date Prepared:	09/17/2009 1218

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	100	100	84.2	95.6
1,1,1,2-Tetrachloroethane	100	100	88.3	104
1,1,2,2-Tetrachloroethane	100	100	82.3	87.0
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	84.8	98.6
1,1,2-Trichloroethane	100	100	93.1	91.7
1,1-Dichloroethane	100	100	88.4	99.0
1,1-Dichloroethene	100	100	88.0	100
1,1-Dichloropropene	100	100	91.5	96.4
1,2,3-Trichlorobenzene	100	100	95.0	99.4
1,2,3-Trichloropropane	100	100	93.0	112
1,2,4-Trichlorobenzene	100	100	96.1	99.8
1,2,4-Trimethylbenzene	100	100	82.6	98.9
1,2-Dibromo-3-Chloropropane	100	100	84.7	87.5
Ethylene Dibromide	100	100	93.1	91.5
1,2-Dichlorobenzene	100	100	89.0	94.3
1,2-Dichloroethane	100	100	89.2	92.0
1,2-Dichloropropane	100	100	101	105
1,3,5-Trimethylbenzene	100	100	86.7	102
1,3-Dichlorobenzene	100	100	82.0	98.7
1,3-Dichloropropane	100	100	93.6	89.1
1,4-Dichlorobenzene	100	100	90.5	94.1
1,4-Dioxane	1000	1000	1030	1190
2,2-Dichloropropane	100	100	91.3	110
2,4,4-Trimethyl-1-pentene	100	100	94.0	111
2,4,4-Trimethyl-2-pentene	100	100	92.4	105
2-Chlorotoluene	100	100	83.4	96.4
2-Hexanone	1000	1000	826	845
4-Chlorotoluene	100	100	84.2	97.6
Acetone	1000	1000	800	839
Benzene	100	100	91.0	96.5
Bromobenzene	100	100	80.4	92.1
Chlorobromomethane	100	100	84.7	92.6
Dichlorobromomethane	100	100	90.9	90.4
Bromoform	100	100	88.6	84.2
Bromomethane	100	100	91.2	109
n-Butylbenzene	100	100	96.3	101
Carbon disulfide	100	100	82.3	95.2
Carbon tetrachloride	100	100	87.5	98.9
Chlorobenzene	100	100	94.9	99.0

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49099

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49099/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49099/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 1351			Date Analyzed:	09/17/2009 1415
Date Prepared:	09/17/2009 1218			Date Prepared:	09/17/2009 1218

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	82.4		100	
Chloroform	100	100	87.4		97.9	
Chloromethane	100	100	79.1		95.5	
cis-1,2-Dichloroethene	100	100	84.7		95.2	
cis-1,3-Dichloropropene	100	100	94.8		89.0	
Cyclohexane	100	100	88.2		95.9	
Chlorodibromomethane	100	100	87.7		86.7	
Dibromomethane	100	100	90.1		92.7	
Dichlorodifluoromethane	100	100	51.2	*	64.9	*
Ethyl ether	100	100	88.0		96.5	
Isopropyl ether	100	100	79.5		91.4	
Tert-butyl ethyl ether	100	100	79.1		93.2	
Ethylbenzene	100	100	97.9		105	
Hexachlorobutadiene	100	100	100		101	
Isopropylbenzene	100	100	90.6		104	
Methyl acetate	1000	1000	1070		1140	
2-Butanone (MEK)	1000	1000	834		928	
4-Methyl-2-pentanone (MIBK)	1000	1000	799		916	
Methyl tert-butyl ether	100	100	76.3		91.0	
Methylcyclohexane	100	100	93.2		99.1	
Methylene Chloride	100	100	84.6		97.1	
m-Xylene & p-Xylene	200	200	181		197	
Naphthalene	100	100	84.0		88.4	
N-Propylbenzene	100	100	87.6		101	
o-Xylene	100	100	86.3		98.2	
4-Isopropyltoluene	100	100	89.6		107	
sec-Butylbenzene	100	100	87.8		105	
Styrene	100	100	87.8		95.1	
Tert-amyl methyl ether	100	100	80.9		95.3	
tert-Butylbenzene	100	100	89.1		106	
Tetrachloroethene	100	100	107		104	
Tetrahydrofuran	1000	1000	960		1010	
Toluene	100	100	99.7		99.0	
trans-1,2-Dichloroethene	100	100	79.3		90.0	
trans-1,3-Dichloropropene	100	100	97.1		89.1	
Trichloroethene	100	100	98.0		102	
Trichlorofluoromethane	100	100	84.0		98.5	
Vinyl chloride	100	100	80.7		96.6	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49119

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-49119/6	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06975.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1749			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1749				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2,2-Tetrachloroethane	ND		0.58	0.50
1,1,1,2-Tetrachloroethane	ND		0.61	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.63	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,1-Dichloropropene	ND		0.68	1.0
1,2,3-Trichlorobenzene	ND		0.42	1.0
1,2,3-Trichloropropane	ND		0.65	1.0
1,2,4-Trichlorobenzene	ND		0.34	1.0
1,2,4-Trimethylbenzene	ND		0.70	1.0
1,2-Dibromo-3-Chloropropane	ND		0.58	5.0
Ethylene Dibromide	ND		0.54	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,2-Dichloropropane	ND		0.51	1.0
1,3,5-Trimethylbenzene	ND		0.66	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,3-Dichloropropane	ND		0.57	1.0
1,4-Dichlorobenzene	ND		0.62	1.0
1,4-Dioxane	ND		7.7	50
2,2-Dichloropropane	ND		0.60	1.0
2,4,4-Trimethyl-1-pentene	ND		0.81	1.0
2,4,4-Trimethyl-2-pentene	ND		0.50	1.0
2-Chlorotoluene	ND		0.65	1.0
2-Hexanone	ND		7.3	10
Acetone	ND		20	50
4-Chlorotoluene	ND		0.62	1.0
Benzene	ND		0.74	1.0
Bromobenzene	ND		0.64	1.0
Chlorobromomethane	ND		0.78	1.0
Dichlorobromomethane	ND		0.63	1.0
Bromoform	ND		0.60	1.0
Bromomethane	ND		0.28	2.0
n-Butylbenzene	ND		0.59	1.0
Carbon disulfide	ND		0.62	10
Carbon tetrachloride	ND		0.71	1.0
Chlorobenzene	ND		0.65	1.0
Chloroethane	ND		0.40	2.0
Chloroform	ND		0.66	1.0

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49119

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-49119/6	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06975.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1749			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1749				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.65	1.0
cis-1,3-Dichloropropene	ND		0.40	0.40
Cyclohexane	ND		2.8	10
Chlorodibromomethane	ND		0.50	0.50
Dibromomethane	ND		0.65	1.0
Dichlorodifluoromethane	ND		0.24	1.0
Ethyl ether	ND		0.63	10
Isopropyl ether	ND		0.62	10
Tert-butyl ethyl ether	ND		0.67	5.0
Ethylbenzene	ND		0.67	1.0
Hexachlorobutadiene	ND		0.40	0.40
Isopropylbenzene	ND		0.57	1.0
Methyl acetate	ND		16	10
2-Butanone (MEK)	ND		10	10
4-Methyl-2-pentanone (MIBK)	ND		8.5	10
Methyl tert-butyl ether	ND		0.63	1.0
Methylcyclohexane	ND		1.0	10
Methylene Chloride	ND		1.0	2.0
m-Xylene & p-Xylene	ND		1.4	2.0
Naphthalene	ND		2.0	5.0
N-Propylbenzene	ND		0.70	1.0
o-Xylene	ND		0.54	1.0
4-Isopropyltoluene	ND		0.59	1.0
sec-Butylbenzene	ND		0.67	1.0
Styrene	ND		0.60	1.0
Tert-amyl methyl ether	ND		0.61	5.0
tert-Butylbenzene	ND		0.61	1.0
Tetrachloroethene	ND		0.48	1.0
Tetrahydrofuran	ND		8.0	10
Toluene	ND		0.56	1.0
trans-1,2-Dichloroethene	ND		0.60	1.0
trans-1,3-Dichloropropene	ND		0.40	0.40
Trichloroethene	ND		0.59	1.0
Trichlorofluoromethane	ND		0.31	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	85	70 - 130
Dibromofluoromethane	112	70 - 130
Toluene-d8 (Surr)	96	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank TICs- Batch: 360-49119

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-49119/3	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06972.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1647			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1647				

LCSD Lab Sample ID:	LCSD 360-49119/4	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06973.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1707			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1707				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	114	115	70 - 130	1	25		
1,1,1,2-Tetrachloroethane	108	107	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	76	74	70 - 130	3	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	110	70 - 130	2	25		
1,1,2-Trichloroethane	97	98	70 - 130	1	25		
1,1-Dichloroethane	98	99	70 - 130	1	25		
1,1-Dichloroethene	92	92	70 - 130	0	25		
1,1-Dichloropropene	103	102	70 - 130	0	25		
1,2,3-Trichlorobenzene	93	92	70 - 130	1	25		
1,2,3-Trichloropropane	95	94	70 - 130	2	25		
1,2,4-Trichlorobenzene	96	96	70 - 130	0	25		
1,2,4-Trimethylbenzene	99	97	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	69	66	70 - 130	5	25	*	*
Ethylene Dibromide	103	105	70 - 130	2	25		
1,2-Dichlorobenzene	101	101	70 - 130	0	25		
1,2-Dichloroethane	92	94	70 - 130	2	25		
1,2-Dichloropropane	98	99	70 - 130	1	25		
1,3,5-Trimethylbenzene	101	99	70 - 130	2	25		
1,3-Dichlorobenzene	119	117	70 - 130	2	25		
1,3-Dichloropropane	98	100	70 - 130	2	25		
1,4-Dichlorobenzene	104	102	70 - 130	1	25		
1,4-Dioxane	61	63	70 - 130	3	25	*	*
2,2-Dichloropropane	131	135	70 - 130	3	25	*	*
2,4,4-Trimethyl-1-pentene	102	104	70 - 130	2	25		
2,4,4-Trimethyl-2-pentene	94	84	70 - 130	12	25		
2-Chlorotoluene	98	98	70 - 130	1	25		
2-Hexanone	76	76	70 - 130	1	25		
4-Chlorotoluene	103	102	70 - 130	1	25		
Acetone	74	72	70 - 130	2	25		
Benzene	101	101	70 - 130	0	25		
Bromobenzene	99	99	70 - 130	0	25		
Chlorobromomethane	109	111	70 - 130	2	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 360-49119/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 1647
Date Prepared: 09/17/2009 1647

Analysis Batch: 360-49119
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 7890/5975 GC/MS
Lab File ID: V06972.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 360-49119/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 1707
Date Prepared: 09/17/2009 1707

Analysis Batch: 360-49119
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 7890/5975 GC/MS
Lab File ID: V06973.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	99	101	70 - 130	2	25		
Bromoform	89	84	70 - 130	6	25		
Bromomethane	102	123	70 - 130	19	25		
n-Butylbenzene	87	84	70 - 130	3	25		
Carbon disulfide	94	93	70 - 130	0	25		
Carbon tetrachloride	118	118	70 - 130	0	25		
Chlorobenzene	105	105	70 - 130	0	25		
Chloroethane	88	101	70 - 130	14	25		
Chloroform	101	100	70 - 130	0	25		
Chloromethane	85	92	70 - 130	8	25		
cis-1,2-Dichloroethene	99	101	70 - 130	2	25		
cis-1,3-Dichloropropene	109	111	70 - 130	1	25		
Cyclohexane	95	96	70 - 130	1	25		
Chlorodibromomethane	105	105	70 - 130	0	25		
Dibromomethane	96	96	70 - 130	0	25		
Dichlorodifluoromethane	66	67	70 - 130	1	25	*	*
Ethyl ether	92	94	70 - 130	3	25		
Isopropyl ether	93	96	70 - 130	3	25		
Tert-butyl ethyl ether	103	105	70 - 130	2	25		
Ethylbenzene	104	103	70 - 130	0	25		
Hexachlorobutadiene	108	104	70 - 130	3	25		
Isopropylbenzene	94	93	70 - 130	1	25		
Methyl acetate	80	80	70 - 130	1	25		
2-Butanone (MEK)	65	65	70 - 130	0	25	*	*
4-Methyl-2-pentanone (MIBK)	78	78	70 - 130	0	25		
Methyl tert-butyl ether	110	112	70 - 130	2	25		
Methylcyclohexane	108	107	70 - 130	1	25		
Methylene Chloride	100	100	70 - 130	0	25		
m-Xylene & p-Xylene	102	100	70 - 130	1	25		
Naphthalene	77	75	70 - 130	2	25		
N-Propylbenzene	96	94	70 - 130	2	25		
o-Xylene	88	88	70 - 130	0	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-49119/3	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06972.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1647			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1647				

LCSD Lab Sample ID:	LCSD 360-49119/4	Analysis Batch:	360-49119	Instrument ID:	Agilent 7890/5975 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V06973.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1707			Final Weight/Volume:	5 mL
Date Prepared:	09/17/2009 1707				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	101	99	70 - 130	2	25		
sec-Butylbenzene	101	98	70 - 130	3	25		
Styrene	96	95	70 - 130	1	25		
Tert-amyl methyl ether	112	116	70 - 130	3	25		
tert-Butylbenzene	98	96	70 - 130	3	25		
Tetrachloroethene	118	118	70 - 130	0	25		
Tetrahydrofuran	76	75	70 - 130	2	25		
Toluene	106	107	70 - 130	1	25		
trans-1,2-Dichloroethene	97	97	70 - 130	0	25		
trans-1,3-Dichloropropene	112	114	70 - 130	2	25		
Trichloroethene	100	100	70 - 130	0	25		
Trichlorofluoromethane	113	116	70 - 130	3	25		
Vinyl chloride	91	93	70 - 130	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	98	70 - 130
Dibromofluoromethane	100	101	70 - 130
Toluene-d8 (Surr)	103	104	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-49119/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-49119/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 1647			Date Analyzed:	09/17/2009 1707
Date Prepared:	09/17/2009 1647			Date Prepared:	09/17/2009 1707

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1,1-Trichloroethane	20.0	20.0	22.8		23.0	
1,1,1,2-Tetrachloroethane	20.0	20.0	21.6		21.3	
1,1,2,2-Tetrachloroethane	20.0	20.0	15.3		14.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	21.5		22.0	
1,1,2-Trichloroethane	20.0	20.0	19.4		19.6	
1,1-Dichloroethane	20.0	20.0	19.6		19.8	
1,1-Dichloroethene	20.0	20.0	18.4		18.4	
1,1-Dichloropropene	20.0	20.0	20.5		20.5	
1,2,3-Trichlorobenzene	20.0	20.0	18.6		18.4	
1,2,3-Trichloropropane	20.0	20.0	19.1		18.7	
1,2,4-Trichlorobenzene	20.0	20.0	19.1		19.2	
1,2,4-Trimethylbenzene	20.0	20.0	19.7		19.5	
1,2-Dibromo-3-Chloropropane	20.0	20.0	13.8	*	13.1	*
Ethylene Dibromide	20.0	20.0	20.5		21.0	
1,2-Dichlorobenzene	20.0	20.0	20.2		20.2	
1,2-Dichloroethane	20.0	20.0	18.5		18.8	
1,2-Dichloropropane	20.0	20.0	19.5		19.7	
1,3,5-Trimethylbenzene	20.0	20.0	20.1		19.7	
1,3-Dichlorobenzene	20.0	20.0	23.9		23.4	
1,3-Dichloropropane	20.0	20.0	19.6		20.0	
1,4-Dichlorobenzene	20.0	20.0	20.7		20.5	
1,4-Dioxane	200	200	122	*	126	*
2,2-Dichloropropane	20.0	20.0	26.3	*	27.0	*
2,4,4-Trimethyl-1-pentene	20.0	20.0	20.4		20.8	
2,4,4-Trimethyl-2-pentene	20.0	20.0	18.8		16.7	
2-Chlorotoluene	20.0	20.0	19.7		19.5	
2-Hexanone	200	200	153		151	
4-Chlorotoluene	20.0	20.0	20.5		20.3	
Acetone	200	200	147		144	
Benzene	20.0	20.0	20.3		20.3	
Bromobenzene	20.0	20.0	19.8		19.8	
Chlorobromomethane	20.0	20.0	21.8		22.2	
Dichlorobromomethane	20.0	20.0	19.8		20.1	
Bromoform	20.0	20.0	17.8		16.7	
Bromomethane	20.0	20.0	20.3		24.6	
n-Butylbenzene	20.0	20.0	17.4		16.8	
Carbon disulfide	20.0	20.0	18.8		18.7	
Carbon tetrachloride	20.0	20.0	23.7		23.6	
Chlorobenzene	20.0	20.0	21.0		20.9	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-49119/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-49119/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 1647			Date Analyzed:	09/17/2009 1707
Date Prepared:	09/17/2009 1647			Date Prepared:	09/17/2009 1707

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	20.0	20.0	17.6		20.2	
Chloroform	20.0	20.0	20.1		20.1	
Chloromethane	20.0	20.0	17.0		18.4	
cis-1,2-Dichloroethene	20.0	20.0	19.9		20.2	
cis-1,3-Dichloropropene	20.0	20.0	21.8		22.1	
Cyclohexane	20.0	20.0	19.1		19.2	
Chlorodibromomethane	20.0	20.0	21.0		21.1	
Dibromomethane	20.0	20.0	19.2		19.2	
Dichlorodifluoromethane	20.0	20.0	13.3	*	13.4	*
Ethyl ether	20.0	20.0	18.4		18.9	
Isopropyl ether	20.0	20.0	18.6		19.2	
Tert-butyl ethyl ether	20.0	20.0	20.6		21.0	
Ethylbenzene	20.0	20.0	20.8		20.7	
Hexachlorobutadiene	20.0	20.0	21.5		20.8	
Isopropylbenzene	20.0	20.0	18.7		18.6	
Methyl acetate	200	200	160		159	
2-Butanone (MEK)	200	200	129	*	129	*
4-Methyl-2-pentanone (MIBK)	200	200	156		155	
Methyl tert-butyl ether	20.0	20.0	22.1		22.5	
Methylcyclohexane	20.0	20.0	21.6		21.4	
Methylene Chloride	20.0	20.0	20.0		20.1	
m-Xylene & p-Xylene	40.0	40.0	40.6		40.2	
Naphthalene	20.0	20.0	15.3		15.1	
N-Propylbenzene	20.0	20.0	19.2		18.8	
o-Xylene	20.0	20.0	17.7		17.6	
4-Isopropyltoluene	20.0	20.0	20.2		19.8	
sec-Butylbenzene	20.0	20.0	20.1		19.6	
Styrene	20.0	20.0	19.2		19.1	
Tert-amyl methyl ether	20.0	20.0	22.4		23.1	
tert-Butylbenzene	20.0	20.0	19.7		19.1	
Tetrachloroethene	20.0	20.0	23.6		23.6	
Tetrahydrofuran	200	200	151		149	
Toluene	20.0	20.0	21.2		21.3	
trans-1,2-Dichloroethene	20.0	20.0	19.5		19.4	
trans-1,3-Dichloropropene	20.0	20.0	22.4		22.9	
Trichloroethene	20.0	20.0	20.0		20.0	
Trichlorofluoromethane	20.0	20.0	22.6		23.2	
Vinyl chloride	20.0	20.0	18.3		18.6	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49178

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49178/3-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45143.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1822			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
Acetone	ND		18	250
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49178

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-49178/3-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45143.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1822			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	70 - 130
Dibromofluoromethane	99	70 - 130
Toluene-d8 (Surr)	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank TICs- Batch: 360-49178

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49178/1-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45138.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1623			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

LCSD Lab Sample ID:	LCSD 360-49178/2-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45139.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1647			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	91	93	70 - 130	2	25		
1,1,1,2-Tetrachloroethane	102	100	70 - 130	2	25		
1,1,2,2-Tetrachloroethane	89	87	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	90	93	70 - 130	3	25		
1,1,2-Trichloroethane	96	93	70 - 130	4	25		
1,1-Dichloroethane	98	99	70 - 130	1	25		
1,1-Dichloroethene	97	99	70 - 130	1	25		
1,1-Dichloropropene	95	95	70 - 130	0	25		
1,2,3-Trichlorobenzene	103	109	70 - 130	6	25		
1,2,3-Trichloropropane	111	108	70 - 130	3	25		
1,2,4-Trichlorobenzene	102	107	70 - 130	4	25		
1,2,4-Trimethylbenzene	96	97	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	95	92	70 - 130	3	25		
Ethylene Dibromide	97	92	70 - 130	5	25		
1,2-Dichlorobenzene	95	96	70 - 130	0	25		
1,2-Dichloroethane	96	94	70 - 130	2	25		
1,2-Dichloropropane	106	105	70 - 130	1	25		
1,3,5-Trimethylbenzene	98	100	70 - 130	2	25		
1,3-Dichlorobenzene	96	98	70 - 130	2	25		
1,3-Dichloropropane	94	90	70 - 130	4	25		
1,4-Dichlorobenzene	95	95	70 - 130	0	25		
1,4-Dioxane	117	111	70 - 130	5	25		
2,2-Dichloropropane	100	104	70 - 130	4	25		
2,4,4-Trimethyl-1-pentene	103	107	70 - 130	4	25		
2,4,4-Trimethyl-2-pentene	100	99	70 - 130	0	25		
2-Chlorotoluene	94	95	70 - 130	1	25		
2-Hexanone	88	82	70 - 130	6	25		
4-Chlorotoluene	96	96	70 - 130	0	25		
Acetone	99	97	70 - 130	2	25		
Benzene	97	96	70 - 130	1	25		
Bromobenzene	92	91	70 - 130	1	25		
Chlorobromomethane	93	93	70 - 130	0	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-49178/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1623
Date Prepared: 09/18/2009 1500

Analysis Batch: 360-49180
Prep Batch: 360-49178
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V45138.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-49178/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1647
Date Prepared: 09/18/2009 1500

Analysis Batch: 360-49180
Prep Batch: 360-49178
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V45139.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	96	93	70 - 130	4	25		
Bromoform	86	82	70 - 130	5	25		
Bromomethane	97	102	70 - 130	5	25		
n-Butylbenzene	98	100	70 - 130	2	25		
Carbon disulfide	90	92	70 - 130	2	25		
Carbon tetrachloride	92	94	70 - 130	2	25		
Chlorobenzene	100	97	70 - 130	2	25		
Chloroethane	91	94	70 - 130	3	25		
Chloroform	101	99	70 - 130	2	25		
Chloromethane	86	90	70 - 130	5	25		
cis-1,2-Dichloroethene	96	94	70 - 130	2	25		
cis-1,3-Dichloropropene	94	90	70 - 130	5	25		
Cyclohexane	91	94	70 - 130	3	25		
Chlorodibromomethane	89	87	70 - 130	3	25		
Dibromomethane	97	93	70 - 130	3	25		
Dichlorodifluoromethane	60	60	70 - 130	0	25	*	*
Ethyl ether	105	104	70 - 130	1	25		
Isopropyl ether	93	93	70 - 130	0	25		
Tert-butyl ethyl ether	96	95	70 - 130	1	25		
Ethylbenzene	102	102	70 - 130	0	25		
Hexachlorobutadiene	99	101	70 - 130	2	25		
Isopropylbenzene	99	100	70 - 130	1	25		
Methyl acetate	135	139	70 - 130	3	25	*	*
2-Butanone (MEK)	93	89	70 - 130	4	25		
4-Methyl-2-pentanone (MIBK)	91	88	70 - 130	4	25		
Methyl tert-butyl ether	93	92	70 - 130	0	25		
Methylcyclohexane	95	98	70 - 130	3	25		
Methylene Chloride	103	103	70 - 130	0	25		
m-Xylene & p-Xylene	97	95	70 - 130	1	25		
Naphthalene	93	97	70 - 130	4	25		
N-Propylbenzene	97	98	70 - 130	0	25		
o-Xylene	96	97	70 - 130	0	25		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49178/1-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45138.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1623			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

LCSD Lab Sample ID:	LCSD 360-49178/2-A	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45139.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/18/2009 1647			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	102	105	70 - 130	3	25		
sec-Butylbenzene	99	101	70 - 130	2	25		
Styrene	95	96	70 - 130	0	25		
Tert-amyl methyl ether	98	97	70 - 130	1	25		
tert-Butylbenzene	101	102	70 - 130	1	25		
Tetrachloroethene	103	100	70 - 130	3	25		
Tetrahydrofuran	110	106	70 - 130	4	25		
Toluene	100	98	70 - 130	2	25		
trans-1,2-Dichloroethene	88	90	70 - 130	2	25		
trans-1,3-Dichloropropene	94	90	70 - 130	5	25		
Trichloroethene	102	100	70 - 130	3	25		
Trichlorofluoromethane	90	93	70 - 130	3	25		
Vinyl chloride	88	92	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	96	96	70 - 130
Dibromofluoromethane	98	99	70 - 130
Toluene-d8 (Surr)	101	100	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49178/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49178/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1623			Date Analyzed:	09/18/2009 1647
Date Prepared:	09/18/2009 1500			Date Prepared:	09/18/2009 1500

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	100	100	91.0	92.9
1,1,1,2-Tetrachloroethane	100	100	102	99.8
1,1,2,2-Tetrachloroethane	100	100	88.9	86.9
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	89.9	92.5
1,1,2-Trichloroethane	100	100	96.4	92.9
1,1-Dichloroethane	100	100	98.4	99.2
1,1-Dichloroethene	100	100	97.3	98.5
1,1-Dichloropropene	100	100	95.1	95.1
1,2,3-Trichlorobenzene	100	100	103	109
1,2,3-Trichloropropane	100	100	111	108
1,2,4-Trichlorobenzene	100	100	102	107
1,2,4-Trimethylbenzene	100	100	95.8	97.2
1,2-Dibromo-3-Chloropropane	100	100	94.6	92.2
Ethylene Dibromide	100	100	97.3	92.5
1,2-Dichlorobenzene	100	100	95.4	95.6
1,2-Dichloroethane	100	100	95.7	93.9
1,2-Dichloropropane	100	100	106	105
1,3,5-Trimethylbenzene	100	100	98.0	100
1,3-Dichlorobenzene	100	100	96.3	97.9
1,3-Dichloropropane	100	100	93.5	89.6
1,4-Dichlorobenzene	100	100	94.6	94.6
1,4-Dioxane	1000	1000	1170	1110
2,2-Dichloropropane	100	100	99.5	104
2,4,4-Trimethyl-1-pentene	100	100	103	107
2,4,4-Trimethyl-2-pentene	100	100	99.7	99.4
2-Chlorotoluene	100	100	94.3	95.5
2-Hexanone	1000	1000	879	824
4-Chlorotoluene	100	100	96.3	96.3
Acetone	1000	1000	993	972
Benzene	100	100	96.6	95.7
Bromobenzene	100	100	91.6	91.1
Chlorobromomethane	100	100	92.9	93.2
Dichlorobromomethane	100	100	95.9	92.6
Bromoform	100	100	86.5	81.9
Bromomethane	100	100	96.8	102
n-Butylbenzene	100	100	97.9	99.9
Carbon disulfide	100	100	90.1	92.2
Carbon tetrachloride	100	100	92.1	94.2
Chlorobenzene	100	100	99.6	97.4

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-49178/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49178/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1623			Date Analyzed:	09/18/2009 1647
Date Prepared:	09/18/2009 1500			Date Prepared:	09/18/2009 1500

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	90.8		94.0	
Chloroform	100	100	101		98.6	
Chloromethane	100	100	85.8		89.9	
cis-1,2-Dichloroethene	100	100	95.8		94.3	
cis-1,3-Dichloropropene	100	100	94.4		90.1	
Cyclohexane	100	100	91.1		94.1	
Chlorodibromomethane	100	100	89.5		86.6	
Dibromomethane	100	100	96.5		93.2	
Dichlorodifluoromethane	100	100	60.0	*	60.3	*
Ethyl ether	100	100	105		104	
Isopropyl ether	100	100	93.3		93.1	
Tert-butyl ethyl ether	100	100	95.6		94.8	
Ethylbenzene	100	100	102		102	
Hexachlorobutadiene	100	100	98.7		101	
Isopropylbenzene	100	100	99.2		100	
Methyl acetate	1000	1000	1350	*	1390	*
2-Butanone (MEK)	1000	1000	926		887	
4-Methyl-2-pentanone (MIBK)	1000	1000	914		879	
Methyl tert-butyl ether	100	100	92.7		92.3	
Methylcyclohexane	100	100	95.1		98.3	
Methylene Chloride	100	100	103		103	
m-Xylene & p-Xylene	200	200	193		191	
Naphthalene	100	100	92.7		96.9	
N-Propylbenzene	100	100	97.0		97.5	
o-Xylene	100	100	96.2		96.6	
4-Isopropyltoluene	100	100	102		105	
sec-Butylbenzene	100	100	98.9		101	
Styrene	100	100	95.3		95.7	
Tert-amyl methyl ether	100	100	98.0		97.0	
tert-Butylbenzene	100	100	101		102	
Tetrachloroethene	100	100	103		99.8	
Tetrahydrofuran	1000	1000	1100		1060	
Toluene	100	100	100		97.8	
trans-1,2-Dichloroethene	100	100	87.9		89.9	
trans-1,3-Dichloropropene	100	100	93.7		89.6	
Trichloroethene	100	100	102		99.6	
Trichlorofluoromethane	100	100	89.9		93.1	
Vinyl chloride	100	100	88.1		92.1	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45140.D
Dilution:	1.0			Initial Weight/Volume:	5.21 g
Date Analyzed:	09/18/2009 1711			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45141.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	09/18/2009 1735			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	95	95	70 - 130	4	30		
1,1,1-Trichloroethane	92	91	70 - 130	3	30		
1,1,2,2-Tetrachloroethane	88	87	70 - 130	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	90	90	70 - 130	4	30		
1,1,2-Trichloroethane	94	89	70 - 130	2	30		
1,1-Dichloroethane	98	98	70 - 130	5	30		
1,1-Dichloroethene	97	98	70 - 130	5	30		
1,1-Dichloropropene	92	90	70 - 130	2	30		
1,2,3-Trichlorobenzene	63	55	70 - 130	10	30	F	F
1,2,3-Trichloropropane	100	100	70 - 130	4	30		
1,2,4-Trichlorobenzene	63	54	70 - 130	11	30	F	F
1,2,4-Trimethylbenzene	79	79	70 - 130	4	30		
1,2-Dibromo-3-Chloropropane	86	83	70 - 130	0	30		
Ethylene Dibromide	93	88	70 - 130	1	30		
1,2-Dichlorobenzene	79	74	70 - 130	3	30		
1,2-Dichloroethane	95	93	70 - 130	2	30		
Acetone	99	87	70 - 130	9	30		
1,2-Dichloropropane	104	102	70 - 130	2	30		
1,3,5-Trimethylbenzene	83	83	70 - 130	4	30		
1,3-Dichlorobenzene	72	70	70 - 130	1	30		
1,3-Dichloropropane	91	86	70 - 130	2	30		
1,4-Dichlorobenzene	77	72	70 - 130	3	30		
1,4-Dioxane	114	109	70 - 130	0	30		
2,2-Dichloropropane	103	108	70 - 130	8	30		
2,4,4-Trimethyl-1-pentene	88	86	70 - 130	2	30		
2,4,4-Trimethyl-2-pentene	86	83	70 - 130	0	30		
2-Chlorotoluene	79	78	70 - 130	2	30		
2-Hexanone	84	79	70 - 130	2	30		
4-Chlorotoluene	77	75	70 - 130	1	30		
Benzene	94	93	70 - 130	3	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45140.D
Dilution:	1.0			Initial Weight/Volume:	5.21 g
Date Analyzed:	09/18/2009 1711			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45141.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	09/18/2009 1735			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromobenzene	78	77	70 - 130	3	30		
Chlorobromomethane	91	92	70 - 130	4	30		
Dichlorobromomethane	92	88	70 - 130	1	30		
Bromoform	85	82	70 - 130	0	30		
Bromomethane	101	105	70 - 130	8	30		
n-Butylbenzene	72	65	70 - 130	5	30		F
Carbon disulfide	86	85	70 - 130	4	30		
Carbon tetrachloride	91	91	70 - 130	3	30		
Chlorobenzene	90	87	70 - 130	1	30		
Chloroethane	94	96	70 - 130	6	30		
Chloroform	97	95	70 - 130	2	30		
Chloromethane	89	91	70 - 130	6	30		
cis-1,2-Dichloroethene	91	92	70 - 130	4	30		
cis-1,3-Dichloropropene	90	86	70 - 130	1	30		
Cyclohexane	87	87	70 - 130	4	30		
Chlorodibromomethane	85	80	70 - 130	2	30		
Dibromomethane	92	90	70 - 130	2	30		
Dichlorodifluoromethane	62	62	70 - 130	5	30	F	F
Ethyl ether	103	100	70 - 130	1	30		
Isopropyl ether	92	94	70 - 130	6	30		
Tert-butyl ethyl ether	94	96	70 - 130	6	30		
Ethylbenzene	94	92	70 - 130	2	30		
Hexachlorobutadiene	52	44	70 - 130	14	30	F	F
Isopropylbenzene	87	87	70 - 130	4	30		
Methyl acetate	143	160	70 - 130	15	30	F	F
2-Butanone (MEK)	92	97	70 - 130	9	30		
4-Methyl-2-pentanone (MIBK)	86	87	70 - 130	5	30		
Methyl tert-butyl ether	91	92	70 - 130	6	30		
Methylcyclohexane	84	81	70 - 130	1	30		
Methylene Chloride	98	100	70 - 130	6	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45140.D
Dilution:	1.0			Initial Weight/Volume:	5.21 g
Date Analyzed:	09/18/2009 1711			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49180	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49178	Lab File ID:	V45141.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	09/18/2009 1735			Final Weight/Volume:	5 g
Date Prepared:	09/18/2009 1500				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
m-Xylene & p-Xylene	87	85	70 - 130	2	30		
Naphthalene	68	64	70 - 130	2	30	F	F
N-Propylbenzene	80	79	70 - 130	3	30		
o-Xylene	87	88	70 - 130	5	30		
4-Isopropyltoluene	79	78	70 - 130	2	30		
sec-Butylbenzene	78	77	70 - 130	3	30		
Styrene	84	82	70 - 130	2	30		
Tert-amyl methyl ether	95	98	70 - 130	7	30		
tert-Butylbenzene	86	87	70 - 130	5	30		
Tetrachloroethene	93	87	70 - 130	2	30		
Tetrahydrofuran	106	107	70 - 130	4	30		
Toluene	96	92	70 - 130	1	30		
trans-1,2-Dichloroethene	86	86	70 - 130	4	30		
trans-1,3-Dichloropropene	90	83	70 - 130	4	30		
Trichloroethene	96	94	70 - 130	2	30		
Trichlorofluoromethane	94	96	70 - 130	5	30		
Vinyl chloride	90	91	70 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	92	94	70 - 130
Dibromofluoromethane	100	99	70 - 130
Toluene-d8 (Surr)	102	99	70 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/18/2009 1711		Date Analyzed:	09/18/2009 1735
Date Prepared:	09/18/2009 1500		Date Prepared:	09/18/2009 1500

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	ND	105	109	99.8		104	
1,1,1-Trichloroethane	ND	105	109	96.4		99.5	
1,1,2,2-Tetrachloroethane	ND	105	109	92.4		95.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	105	109	94.8		98.3	
1,1,2-Trichloroethane	ND	105	109	98.7		97.0	
1,1-Dichloroethane	ND	105	109	103		108	
1,1-Dichloroethene	ND	105	109	102		107	
1,1-Dichloropropene	ND	105	109	96.5		98.1	
1,2,3-Trichlorobenzene	ND	105	109	66.6	F	60.2	F
1,2,3-Trichloropropane	ND	105	109	106		110	
1,2,4-Trichlorobenzene	ND	105	109	66.2	F	59.3	F
1,2,4-Trimethylbenzene	ND	105	109	83.5		86.5	
1,2-Dibromo-3-Chloropropane	ND	105	109	90.7		90.8	
Ethylene Dibromide	ND	105	109	97.4		95.9	
1,2-Dichlorobenzene	ND	105	109	83.1		81.0	
1,2-Dichloroethane	ND	105	109	99.6		102	
Acetone	ND	1050	1090	1050		953	
1,2-Dichloropropane	ND	105	109	109		111	
1,3,5-Trimethylbenzene	ND	105	109	87.2		90.7	
1,3-Dichlorobenzene	ND	105	109	75.8		76.3	
1,3-Dichloropropane	ND	105	109	95.6		93.7	
1,4-Dichlorobenzene	ND	105	109	81.1		79.0	
1,4-Dioxane	ND	1050	1090	1200		1200	
2,2-Dichloropropane	ND	105	109	109		118	
2,4,4-Trimethyl-1-pentene	ND	105	109	92.3		94.5	
2,4,4-Trimethyl-2-pentene	ND	105	109	90.9		91.3	
2-Chlorotoluene	ND	105	109	83.1		85.2	
2-Hexanone	ND	1050	1090	884		870	
4-Chlorotoluene	ND	105	109	81.2		82.3	
Benzene	ND	105	109	99.3		102	
Bromobenzene	ND	105	109	81.8		84.1	
Chlorobromomethane	ND	105	109	95.9		100	
Dichlorobromomethane	ND	105	109	97.1		96.1	
Bromoform	ND	105	109	89.3		89.3	
Bromomethane	ND	105	109	106		114	
n-Butylbenzene	ND	105	109	75.3		71.3	F
Carbon disulfide	ND	105	109	90.2		93.5	
Carbon tetrachloride	ND	105	109	96.2		99.1	
Chlorobenzene	ND	105	109	94.9		95.4	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49178

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/18/2009 1711		Date Analyzed:	09/18/2009 1735
Date Prepared:	09/18/2009 1500		Date Prepared:	09/18/2009 1500

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloroethane	ND	105	109	99.0		105	
Chloroform	ND	105	109	102		104	
Chloromethane	ND	105	109	93.9		99.8	
cis-1,2-Dichloroethene	ND	105	109	96.3		100	
cis-1,3-Dichloropropene	ND	105	109	95.0		93.8	
Cyclohexane	ND	105	109	91.2		95.3	
Chlorodibromomethane	ND	105	109	89.5		87.7	
Dibromomethane	ND	105	109	96.6		98.3	
Dichlorodifluoromethane	ND	105	109	64.8	F	68.0	F
Ethyl ether	ND	105	109	108		110	
Isopropyl ether	ND	105	109	96.7		102	
Tert-butyl ethyl ether	ND	105	109	99.1		105	
Ethylbenzene	ND	105	109	98.5		101	
Hexachlorobutadiene	ND	105	109	55.1	F	47.7	F
Isopropylbenzene	ND	105	109	91.8		95.6	
Methyl acetate	ND	1050	1090	1510	F	1750	F
2-Butanone (MEK)	ND	1050	1090	969		1060	
4-Methyl-2-pentanone (MIBK)	ND	1050	1090	909		955	
Methyl tert-butyl ether	ND	105	109	95.4		101	
Methylcyclohexane	ND	105	109	87.9		88.7	
Methylene Chloride	ND	105	109	103		110	
m-Xylene & p-Xylene	ND	210	219	184		187	
Naphthalene	ND	105	109	71.5	F	70.1	F
N-Propylbenzene	ND	105	109	84.5		86.6	
o-Xylene	ND	105	109	91.5		96.0	
4-Isopropyltoluene	ND	105	109	83.1		85.0	
sec-Butylbenzene	ND	105	109	82.3		84.4	
Styrene	ND	105	109	87.9		89.3	
Tert-amyl methyl ether	ND	105	109	99.6		107	
tert-Butylbenzene	ND	105	109	90.4		95.2	
Tetrachloroethene	ND	105	109	97.4		95.1	
Tetrahydrofuran	ND	1050	1090	1120		1170	
Toluene	ND	105	109	101		100	
trans-1,2-Dichloroethene	ND	105	109	90.5		93.8	
trans-1,3-Dichloropropene	ND	105	109	94.5		90.8	
Trichloroethene	ND	105	109	101		103	
Trichlorofluoromethane	ND	105	109	99.0		105	
Vinyl chloride	ND	105	109	94.4		100	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

Lab Sample ID:	MB 360-48980/1-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10558.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2256			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.50	5.0
1,2,4,5-Tetrachlorobenzene	ND		0.50	5.0
1-Methylnaphthalene	ND		0.050	5.0
2,3,4,6-Tetrachlorophenol	ND		0.50	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2-Chlorophenol	ND		0.50	5.0
2,4-Dichlorophenol	ND		0.50	5.0
2,4,6-Trichlorophenol	ND		0.50	5.0
2-Methylphenol	ND		0.50	5.0
2,4,5-Trichlorophenol	ND		0.50	5.0
2-Methylnaphthalene	ND		0.050	1.0
3 & 4 Methylphenol	ND		0.50	5.0
3,3'-Dichlorobenzidine	ND		0.50	5.0
2-Nitroaniline	ND		0.50	5.0
2-Chloronaphthalene	ND		0.50	5.0
2,6-Dinitrotoluene	ND		0.50	5.0
4-Chloro-3-methylphenol	ND		0.50	5.0
4-Chloroaniline	ND		0.50	5.0
2-Nitrophenol	ND		0.50	5.0
3-Nitroaniline	ND		0.50	5.0
2,4-Dinitrophenol	ND		0.50	5.0
2,4-Dinitrotoluene	ND		0.50	5.0
Acenaphthene	ND		0.050	1.0
Acenaphthylene	ND		0.050	0.30
4-Nitrophenol	ND		0.50	5.0
Aniline	ND		0.50	5.0
4-Nitroaniline	ND		0.50	5.0
Azobenzene	ND		0.50	5.0
4-Bromophenyl phenyl ether	ND		0.50	5.0
4-Chlorophenyl phenyl ether	ND		0.50	5.0
Benzoic acid	ND		0.50	5.0
4,6-Dinitro-2-methylphenol	ND		0.50	5.0
Anthracene	ND		0.070	1.0
Benzyl alcohol	ND		0.50	10
Bis(2-chloroethoxy)methane	ND		0.50	5.0
Bis(2-chloroethyl)ether	ND		0.50	5.0
Butyl benzyl phthalate	ND		0.50	5.0
Caprolactam	ND		0.50	5.0
Benzo[a]anthracene	ND		0.17	0.30
Chrysene	ND		0.17	1.0
Benzo[b]fluoranthene	ND		0.14	0.30

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

Lab Sample ID:	MB 360-48980/1-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10558.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2256			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[k]fluoranthene	ND		0.17	0.30
Benzo[a]pyrene	ND		0.10	0.20
Dibenzofuran	ND		0.50	5.0
Diethyl phthalate	ND		0.50	5.0
Dibenz(a,h)anthracene	ND		0.064	0.50
Dimethyl phthalate	ND		0.50	5.0
Benzo[g,h,i]perylene	ND		0.094	0.50
Acetophenone	ND		0.50	5.0
Di-n-butyl phthalate	0.838	J	0.60	5.0
Bis(2-ethylhexyl) phthalate	3.41		0.50	2.0
Di-n-octyl phthalate	ND		0.73	5.0
Fluoranthene	ND		0.20	1.0
Fluorene	ND		0.050	1.0
Hexachlorobenzene	ND		0.50	1.0
bis (2-chloroisopropyl) ether	ND		0.50	5.0
Hexachlorocyclopentadiene	ND		0.50	5.0
Hexachloroethane	ND		0.50	3.0
Indeno[1,2,3-cd]pyrene	ND		0.079	0.50
Isophorone	ND		0.50	5.0
Nitrobenzene	ND		0.50	5.0
Atrazine	ND		0.50	5.0
Benzaldehyde	ND		0.50	5.0
N-Nitrosodi-n-propylamine	ND		0.50	5.0
Carbazole	ND		0.50	5.0
Benzophenone	ND		0.50	5.0
N-Nitrosodiphenylamine	ND		0.50	5.0
Diphenyl oxide	ND		0.50	5.0
Pentachlorophenol	ND		0.50	1.0
Diphenylamine	ND		0.50	5.0
Phenanthrene	ND		0.085	0.20
Phenol	ND		0.50	5.0
Pyrene	ND		0.19	5.0

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol	67		15 - 110
2-Fluorobiphenyl	69		30 - 130
2-Fluorophenol	26		15 - 110
Nitrobenzene-d5	81		30 - 130
Phenol-d5	13	X	15 - 110
Terphenyl-d14	87		30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank TICs- Batch: 360-48980

Cas Number	Analyte	RT	Est. Result	Qual
111-76-2	Ethanol, 2-butoxy-	6.28	0.690	T J N
138-86-3	Limonene	7.35	0.320	T J N
772-0-9	1,3-Dioxane, 4-phenyl-	9.22	0.294	T J N
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.84	0.267	T J N

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-48980/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10559.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2323			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48980/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10560.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2351			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	90	96	40 - 140	7	20		
1,2,4,5-Tetrachlorobenzene	60	63	40 - 140	5	20		
1-Methylnaphthalene	72	73	40 - 140	2	20		
2,3,4,6-Tetrachlorophenol	67	72	40 - 140	7	20		
2,4-Dimethylphenol	65	66	30 - 130	2	20		
2-Chlorophenol	52	55	40 - 130	4	20		
2,4-Dichlorophenol	73	77	30 - 130	6	20		
2,4,6-Trichlorophenol	81	90	30 - 130	10	20		
2-Methylphenol	42	44	30 - 130	4	20	J	J
2,4,5-Trichlorophenol	78	83	30 - 130	7	20		
2-Methylnaphthalene	59	61	40 - 140	4	20		
3 & 4 Methylphenol	36	37	30 - 130	5	20	J	J
2-Nitroaniline	85	92	40 - 140	9	20		
3,3'-Dichlorobenzidine	85	90	40 - 140	6	20		
2-Chloronaphthalene	59	65	40 - 140	9	20		
2,6-Dinitrotoluene	82	88	40 - 140	7	20		
4-Chloro-3-methylphenol	67	72	30 - 130	7	20		
2-Nitrophenol	78	81	30 - 130	4	20		
4-Chloroaniline	60	62	40 - 140	3	20		
3-Nitroaniline	74	82	40 - 140	11	20		
2,4-Dinitrophenol	75	88	30 - 130	15	20		
2,4-Dinitrotoluene	76	81	40 - 140	6	20		
Acenaphthene	90	97	40 - 140	8	20		
Acenaphthylene	78	84	40 - 140	7	20		
4-Nitrophenol	14	18	30 - 130	22	20	J *	J *
Aniline	19	22	40 - 140	15	20	J *	J *
4-Nitroaniline	79	87	40 - 140	10	20		
Azobenzene	93	95	40 - 140	2	20		
4-Bromophenyl phenyl ether	86	87	40 - 140	1	20		
4-Chlorophenyl phenyl ether	79	87	40 - 140	9	20		
4,6-Dinitro-2-methylphenol	81	88	30 - 130	9	20		
Benzoic acid	21	22	30 - 130	3	20	J *	J *

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-48980/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10559.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2323			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48980/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10560.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2351			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Anthracene	108	108	40 - 140	1	20		
Benzyl alcohol	45	49	30 - 130	9	20	J	J
Bis(2-chloroethoxy)methane	66	69	40 - 140	5	20		
Bis(2-chloroethyl)ether	64	66	40 - 140	3	20		
Butyl benzyl phthalate	105	101	40 - 140	4	20		
Benzo[a]anthracene	106	108	40 - 140	3	20		
Caprolactam	11	12	40 - 140	11	20	J *	J *
Chrysene	103	106	40 - 140	4	20		
Benzo[b]fluoranthene	97	101	40 - 140	4	20		
Benzo[k]fluoranthene	106	108	40 - 140	2	20		
Benzo[a]pyrene	98	102	40 - 140	4	20		
Dibenzofuran	78	83	40 - 140	6	20		
Dibenz(a,h)anthracene	101	100	40 - 140	1	20		
Diethyl phthalate	87	93	40 - 140	7	20		
Benzo[g,h,i]perylene	103	103	40 - 140	0	20		
Dimethyl phthalate	85	90	40 - 140	6	20		
Acetophenone	74	77	40 - 140	5	20		
Di-n-butyl phthalate	100	101	40 - 140	1	20		
Bis(2-ethylhexyl) phthalate	138	121	40 - 140	13	20		
Di-n-octyl phthalate	85	82	40 - 140	4	20		
Fluoranthene	96	100	40 - 140	4	20		
Fluorene	98	105	40 - 140	7	20		
Hexachlorobenzene	88	90	40 - 140	2	20		
bis (2-chloroisopropyl) ether	65	68	40 - 140	5	20		
Hexachlorocyclopentadiene	51	57	40 - 140	13	20		
Hexachloroethane	54	58	40 - 140	8	20		
Indeno[1,2,3-cd]pyrene	103	102	40 - 140	1	20		
Isophorone	62	65	40 - 140	4	20		
Nitrobenzene	65	68	40 - 140	4	20		
Atrazine	117	119	40 - 140	1	20		
Benzaldehyde	93	97	40 - 140	4	20		
Carbazole	97	101	40 - 140	3	20		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-48980/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10559.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2323			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48980/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Water	Prep Batch:	360-48980	Lab File ID:	B10560.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/25/2009 2351			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1456			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
N-Nitrosodi-n-propylamine	73	76	40 - 140	4	20		
Benzophenone	102	104	40 - 140	2	20		
N-Nitrosodiphenylamine	64	66	40 - 140	3	20		
Diphenyl oxide	76	78	40 - 140	3	20		
Pentachlorophenol	85	90	30 - 130	6	20		
Phenanthrene	97	98	40 - 140	1	20		
Phenol	13	14	30 - 130	8	20	J *	J *
Pyrene	97	96	40 - 140	1	20		

Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits
2,4,6-Tribromophenol	78		79		15 - 110
2-Fluorobiphenyl	70		75		30 - 130
2-Fluorophenol	22		22		15 - 110
Nitrobenzene-d5	60		61		30 - 130
Phenol-d5	11	X	12	X	15 - 110
Terphenyl-d14	79		76		30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-48980/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-48980/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/25/2009 2323			Date Analyzed:	09/25/2009 2351
Date Prepared:	09/15/2009 1456			Date Prepared:	09/15/2009 1456

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	10.0	10.0	8.96		9.61	
1,2,4,5-Tetrachlorobenzene	10.0	10.0	6.04		6.32	
1-Methylnaphthalene	10.0	10.0	7.20		7.33	
2,3,4,6-Tetrachlorophenol	10.0	10.0	6.71		7.19	
2,4-Dimethylphenol	10.0	10.0	6.48		6.61	
2-Chlorophenol	10.0	10.0	5.23		5.46	
2,4-Dichlorophenol	10.0	10.0	7.31		7.74	
2,4,6-Trichlorophenol	10.0	10.0	8.13		9.01	
2-Methylphenol	10.0	10.0	4.17	J	4.36	J
2,4,5-Trichlorophenol	10.0	10.0	7.80		8.33	
2-Methylnaphthalene	10.0	10.0	5.92		6.14	
3 & 4 Methylphenol	10.0	10.0	3.56	J	3.73	J
2-Nitroaniline	10.0	10.0	8.48		9.24	
3,3'-Dichlorobenzidine	10.0	10.0	8.52		9.04	
2-Chloronaphthalene	10.0	10.0	5.92		6.47	
2,6-Dinitrotoluene	10.0	10.0	8.16		8.78	
4-Chloro-3-methylphenol	10.0	10.0	6.70		7.18	
2-Nitrophenol	10.0	10.0	7.82		8.10	
4-Chloroaniline	10.0	10.0	5.97		6.17	
3-Nitroaniline	10.0	10.0	7.36		8.18	
2,4-Dinitrophenol	10.0	10.0	7.54		8.77	
2,4-Dinitrotoluene	10.0	10.0	7.61		8.06	
Acenaphthene	10.0	10.0	8.96		9.66	
Acenaphthylene	10.0	10.0	7.77		8.35	
4-Nitrophenol	10.0	10.0	1.45	J *	1.80	J *
Aniline	10.0	10.0	1.87	J *	2.17	J *
4-Nitroaniline	10.0	10.0	7.92		8.72	
Azobenzene	10.0	10.0	9.30		9.45	
4-Bromophenyl phenyl ether	10.0	10.0	8.63		8.75	
4-Chlorophenyl phenyl ether	10.0	10.0	7.91		8.69	
4,6-Dinitro-2-methylphenol	10.0	10.0	8.11		8.84	
Benzoic acid	10.0	10.0	2.12	J *	2.17	J *
Anthracene	10.0	10.0	10.8		10.8	
Benzyl alcohol	10.0	10.0	4.46	J	4.90	J
Bis(2-chloroethoxy)methane	10.0	10.0	6.57		6.88	
Bis(2-chloroethyl)ether	10.0	10.0	6.43		6.64	
Butyl benzyl phthalate	10.0	10.0	10.5		10.1	
Benzo[a]anthracene	10.0	10.0	10.6		10.8	
Caprolactam	10.0	10.0	1.08	J *	1.21	J *

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48980

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-48980/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-48980/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/25/2009 2323			Date Analyzed:	09/25/2009 2351
Date Prepared:	09/15/2009 1456			Date Prepared:	09/15/2009 1456

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chrysene	10.0	10.0	10.3		10.6	
Benzo[b]fluoranthene	10.0	10.0	9.66		10.1	
Benzo[k]fluoranthene	10.0	10.0	10.6		10.8	
Benzo[a]pyrene	10.0	10.0	9.81		10.2	
Dibenzofuran	10.0	10.0	7.81		8.31	
Dibenz(a,h)anthracene	10.0	10.0	10.1		10.0	
Diethyl phthalate	10.0	10.0	8.72		9.33	
Benzo[g,h,i]perylene	10.0	10.0	10.3		10.3	
Dimethyl phthalate	10.0	10.0	8.50		9.03	
Acetophenone	10.0	10.0	7.40		7.75	
Di-n-butyl phthalate	10.0	10.0	10.0		10.1	
Bis(2-ethylhexyl) phthalate	10.0	10.0	13.8		12.1	
Di-n-octyl phthalate	10.0	10.0	8.53		8.17	
Fluoranthene	10.0	10.0	9.64		10.0	
Fluorene	10.0	10.0	9.82		10.5	
Hexachlorobenzene	10.0	10.0	8.84		9.01	
bis (2-chloroisopropyl) ether	10.0	10.0	6.52		6.82	
Hexachlorocyclopentadiene	10.0	10.0	5.06		5.74	
Hexachloroethane	10.0	10.0	5.36		5.79	
Indeno[1,2,3-cd]pyrene	10.0	10.0	10.3		10.2	
Isophorone	10.0	10.0	6.18		6.46	
Nitrobenzene	10.0	10.0	6.51		6.76	
Atrazine	10.0	10.0	11.7		11.9	
Benzaldehyde	10.0	10.0	9.32		9.73	
Carbazole	10.0	10.0	9.75		10.1	
N-Nitrosodi-n-propylamine	10.0	10.0	7.34		7.62	
Benzophenone	10.0	10.0	10.2		10.4	
N-Nitrosodiphenylamine	10.0	10.0	6.45		6.63	
Diphenyl oxide	10.0	10.0	7.62		7.81	
Pentachlorophenol	10.0	10.0	8.51		9.00	
Phenanthrene	10.0	10.0	9.70		9.83	
Phenol	10.0	10.0	1.27	J *	1.37	J *
Pyrene	10.0	10.0	9.74		9.64	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49246/1-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03193.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 1932			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		10	33
1,2,4-Trichlorobenzene	ND		10	33
1,2-Dichlorobenzene	ND		10	33
1,3-Dichlorobenzene	ND		10	33
1,4-Dichlorobenzene	ND		10	33
1-Methylnaphthalene	ND		10	33
2,3,4,6-Tetrachlorophenol	ND		10	33
2,4-Dimethylphenol	ND		13	33
2-Chlorophenol	ND		10	33
2,4-Dichlorophenol	ND		10	33
2,4,6-Trichlorophenol	ND		10	33
2-Methylphenol	ND		20	33
2,4,5-Trichlorophenol	ND		10	33
2-Methylnaphthalene	ND		10	33
3 & 4 Methylphenol	ND		10	33
3,3'-Dichlorobenzidine	ND		10	67
2-Nitroaniline	ND		10	170
2-Chloronaphthalene	ND		10	33
2,6-Dinitrotoluene	ND		10	33
4-Chloro-3-methylphenol	ND		10	67
4-Chloroaniline	ND		10	67
2-Nitrophenol	ND		10	33
3-Nitroaniline	ND		10	170
2,4-Dinitrophenol	ND		10	33
2,4-Dinitrotoluene	ND		10	33
Acenaphthene	ND		10	33
Acenaphthylene	ND		10	33
4-Nitrophenol	ND		10	170
Aniline	ND		10	33
4-Nitroaniline	ND		10	170
Azobenzene	ND		10	33
4-Bromophenyl phenyl ether	ND		10	33
4-Chlorophenyl phenyl ether	ND		10	33
Benzoic acid	81.3	J	15	170
4,6-Dinitro-2-methylphenol	ND		10	170
Anthracene	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Butyl benzyl phthalate	ND		10	33

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49246/1-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03193.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 1932			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Caprolactam	ND		10	33
Benzo[a]anthracene	ND		10	33
Chrysene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzo[a]pyrene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dimethyl phthalate	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Acetophenone	ND		10	33
Di-n-butyl phthalate	56.6		29	33
Bis(2-ethylhexyl) phthalate	14.0	J	10	33
Di-n-octyl phthalate	ND		17	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
2,2'-oxybis[1-chloropropane]	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
Atrazine	ND		10	33
N-Nitrosodimethylamine	ND		12	33
Benzaldehyde	ND		10	33
N-Nitrosodi-n-propylamine	ND		10	33
Carbazole	ND		10	33
Benzophenone	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Diphenyl oxide	ND		10	33
Pentachlorophenol	ND		10	33
Diphenylamine	ND		10	33
Phenanthrene	ND		10	40
Phenol	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	78	30 - 130
2-Fluorobiphenyl	71	30 - 130
2-Fluorophenol	80	30 - 130
Nitrobenzene-d5	78	30 - 130
Phenol-d5	75	30 - 130
Terphenyl-d14	86	30 - 130

Method Blank TICs- Batch: 360-49246

Cas Number	Analyte	RT	Est. Result	Qual
141-79-7	3-Penten-2-one, 4-methyl-	5.71	13.7	T J N
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.89	12.5	T J N
54446-78-5	Ethanol, 1-(2-butoxyethoxy)-	9.23	15.2	T J N
1146-65-2	Naphthalene-d8	9.33	21.7	T J N
321-60-8	1,1"-Biphenyl, 2-fluoro-	10.40	18.8	T J N
544-76-3	Hexadecane	11.44	26.6	T J N
593-45-3	Octadecane	12.35	45.1	T J N
112-95-8	Eicosane	13.17	24.9	T J N
7683-64-9	Squalene	16.19	53.0	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.85	35.0	T J N

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03194.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2005			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49246/3-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03195.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2038			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	94	100	40 - 140	6	30		
1,2,4,5-Tetrachlorobenzene	104	100	40 - 140	4	30		
1,2,4-Trichlorobenzene	92	88	40 - 140	4	30		
1,2-Dichlorobenzene	65	66	40 - 140	2	30		
1,3-Dichlorobenzene	62	64	40 - 140	3	30		
1,4-Dichlorobenzene	62	64	40 - 140	3	30		
1-Methylnaphthalene	101	99	40 - 140	2	30		
2,3,4,6-Tetrachlorophenol	84	88	40 - 140	4	30		
2,4-Dimethylphenol	117	113	30 - 130	4	30		
2-Chlorophenol	72	74	30 - 130	3	30		
2,4-Dichlorophenol	127	123	30 - 130	3	30		
2,4,6-Trichlorophenol	88	112	30 - 130	24	30		
2-Methylphenol	77	77	30 - 130	0	30		
2,4,5-Trichlorophenol	104	113	30 - 130	8	30		
2-Methylnaphthalene	99	94	40 - 140	5	30		
3 & 4 Methylphenol	80	81	30 - 130	1	30		
2-Nitroaniline	99	103	40 - 140	3	30		
3,3'-Dichlorobenzidine	116	116	40 - 140	0	30		
2-Chloronaphthalene	96	99	40 - 140	3	30		
2,6-Dinitrotoluene	102	109	40 - 140	7	30		
4-Chloro-3-methylphenol	121	116	30 - 130	4	30		
2-Nitrophenol	101	96	30 - 130	5	30		
4-Chloroaniline	92	88	40 - 140	5	30		
3-Nitroaniline	98	100	40 - 140	2	30		
2,4-Dinitrophenol	85	86	30 - 130	2	30		
2,4-Dinitrotoluene	97	100	40 - 140	3	30		
Acenaphthene	104	109	40 - 140	5	30		
Acenaphthylene	93	96	40 - 140	3	30		
4-Nitrophenol	101	103	30 - 130	2	30		
Aniline	31	31	40 - 140	2	30	*	*
4-Nitroaniline	113	120	40 - 140	6	30		
Azobenzene	100	103	40 - 140	3	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03194.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2005			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49246/3-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03195.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2038			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Bromophenyl phenyl ether	98	98	40 - 140	0	30		
4-Chlorophenyl phenyl ether	97	100	40 - 140	3	30		
4,6-Dinitro-2-methylphenol	93	97	30 - 130	4	30		
Benzoic acid	81	82	30 - 130	0	30		
Anthracene	108	105	40 - 140	3	30		
Benzyl alcohol	79	81	30 - 130	3	30		
Bis(2-chloroethoxy)methane	93	100	40 - 140	8	30		
Bis(2-chloroethyl)ether	66	67	40 - 140	1	30		
Butyl benzyl phthalate	99	100	40 - 140	0	30		
Benzo[a]anthracene	115	116	40 - 140	0	30		
Caprolactam	112	112	40 - 140	0	30		
Chrysene	105	107	40 - 140	2	30		
Benzo[b]fluoranthene	103	105	40 - 140	2	30		
Benzo[k]fluoranthene	115	113	40 - 140	2	30		
Benzo[a]pyrene	127	124	40 - 140	2	30		
Dibenzofuran	89	96	40 - 140	8	30		
Dibenz(a,h)anthracene	127	118	40 - 140	7	30		
Diethyl phthalate	98	104	40 - 140	6	30		
Benzo[g,h,i]perylene	136	129	40 - 140	5	30		
Dimethyl phthalate	94	102	40 - 140	8	30		
Acetophenone	75	76	40 - 140	2	30		
Di-n-butyl phthalate	125	125	40 - 140	0	30		
Bis(2-ethylhexyl) phthalate	111	105	40 - 140	5	30		
Di-n-octyl phthalate	110	110	40 - 140	0	30		
Fluoranthene	107	109	40 - 140	2	30		
Fluorene	110	114	40 - 140	3	30		
Hexachlorobenzene	97	98	40 - 140	2	30		
Hexachlorobutadiene	98	91	40 - 140	7	30		
2,2'-oxybis[1-chloropropane]	70	72	40 - 140	2	30		
Hexachlorocyclopentadiene	79	80	40 - 140	1	30		
Hexachloroethane	66	66	40 - 140	0	30		
Indeno[1,2,3-cd]pyrene	154	144	40 - 140	6	30	*	*

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03194.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2005			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49246/3-A	Analysis Batch:	360-49645	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49246	Lab File ID:	J03195.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/28/2009 2038			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2009 1530			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Isophorone	94	90	40 - 140	5	30		
Naphthalene	96	92	40 - 140	5	30		
Nitrobenzene	100	95	40 - 140	5	30		
Atrazine	118	125	40 - 140	6	30		
Benzaldehyde	84	87	40 - 140	4	30		
N-Nitrosodimethylamine	70	71	40 - 140	1	30		
Carbazole	107	108	40 - 140	1	30		
N-Nitrosodi-n-propylamine	76	76	40 - 140	0	30		
Benzophenone	103	108	40 - 140	5	30		
N-Nitrosodiphenylamine	72	75	40 - 140	4	30		
Diphenyl oxide	110	107	40 - 140	3	30		
Pentachlorophenol	93	95	30 - 130	2	30		
Phenanthrene	117	120	40 - 140	3	30		
Phenol	74	77	30 - 130	3	30		
Pyrene	105	104	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	86	88	30 - 130
2-Fluorobiphenyl	80	81	30 - 130
2-Fluorophenol	63	64	30 - 130
Nitrobenzene-d5	89	83	30 - 130
Phenol-d5	66	67	30 - 130
Terphenyl-d14	80	81	30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49246/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/28/2009 2005			Date Analyzed:	09/28/2009 2038
Date Prepared:	09/21/2009 1530			Date Prepared:	09/21/2009 1530

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	314		332	
1,2,4,5-Tetrachlorobenzene	333	333	346		332	
1,2,4-Trichlorobenzene	333	333	307		294	
1,2-Dichlorobenzene	333	333	216		219	
1,3-Dichlorobenzene	333	333	207		213	
1,4-Dichlorobenzene	333	333	208		214	
1-Methylnaphthalene	333	333	336		329	
2,3,4,6-Tetrachlorophenol	333	333	281		292	
2,4-Dimethylphenol	333	333	391		376	
2-Chlorophenol	333	333	241		247	
2,4-Dichlorophenol	333	333	424		410	
2,4,6-Trichlorophenol	333	333	293		374	
2-Methylphenol	333	333	256		257	
2,4,5-Trichlorophenol	333	333	348		378	
2-Methylnaphthalene	333	333	331		315	
3 & 4 Methylphenol	333	333	268		270	
2-Nitroaniline	333	333	332		343	
3,3'-Dichlorobenzidine	333	333	386		387	
2-Chloronaphthalene	333	333	319		330	
2,6-Dinitrotoluene	333	333	339		364	
4-Chloro-3-methylphenol	333	333	402		385	
2-Nitrophenol	333	333	338		321	
4-Chloroaniline	333	333	308		293	
3-Nitroaniline	333	333	327		334	
2,4-Dinitrophenol	333	333	283		287	
2,4-Dinitrotoluene	333	333	324		332	
Acenaphthene	333	333	348		364	
Acenaphthylene	333	333	311		321	
4-Nitrophenol	333	333	338		345	
Aniline	333	333	102	*	105	*
4-Nitroaniline	333	333	375		399	
Azobenzene	333	333	334		343	
4-Bromophenyl phenyl ether	333	333	327		325	
4-Chlorophenyl phenyl ether	333	333	325		333	
4,6-Dinitro-2-methylphenol	333	333	311		322	
Benzoic acid	333	333	272		272	
Anthracene	333	333	358		349	
Benzyl alcohol	333	333	262		269	
Bis(2-chloroethoxy)methane	333	333	310		334	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49246/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/28/2009 2005			Date Analyzed:	09/28/2009 2038
Date Prepared:	09/21/2009 1530			Date Prepared:	09/21/2009 1530

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Bis(2-chloroethyl)ether	333	333	221		223	
Butyl benzyl phthalate	333	333	331		332	
Benzo[a]anthracene	333	333	384		385	
Caprolactam	333	333	372		372	
Chrysene	333	333	351		356	
Benzo[b]fluoranthene	333	333	344		351	
Benzo[k]fluoranthene	333	333	384		378	
Benzo[a]pyrene	333	333	423		412	
Dibenzofuran	333	333	295		319	
Dibenz(a,h)anthracene	333	333	424		394	
Diethyl phthalate	333	333	327		346	
Benzo[g,h,i]perylene	333	333	452		430	
Dimethyl phthalate	333	333	313		340	
Acetophenone	333	333	249		254	
Di-n-butyl phthalate	333	333	417		418	
Bis(2-ethylhexyl) phthalate	333	333	370		352	
Di-n-octyl phthalate	333	333	365		366	
Fluoranthene	333	333	358		364	
Fluorene	333	333	368		380	
Hexachlorobenzene	333	333	322		327	
Hexachlorobutadiene	333	333	325		303	
2,2'-oxybis[1-chloropropane]	333	333	234		239	
Hexachlorocyclopentadiene	333	333	265		268	
Hexachloroethane	333	333	220		220	
Indeno[1,2,3-cd]pyrene	333	333	512	*	481	*
Isophorone	333	333	314		299	
Naphthalene	333	333	321		305	
Nitrobenzene	333	333	333		317	
Atrazine	333	333	393		416	
Benzaldehyde	333	333	279		291	
N-Nitrosodimethylamine	333	333	234		237	
Carbazole	333	333	355		359	
N-Nitrosodi-n-propylamine	333	333	254		254	
Benzophenone	333	333	344		361	
N-Nitrosodiphenylamine	333	333	239		249	
Diphenyl oxide	333	333	366		355	
Pentachlorophenol	333	333	311		317	
Phenanthrene	333	333	388		399	
Phenol	333	333	247		255	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49246

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49246/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49246/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/28/2009 2005			Date Analyzed:	09/28/2009 2038
Date Prepared:	09/21/2009 1530			Date Prepared:	09/21/2009 1530

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	350	348

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49302

Method: 8270C LL
Preparation: 3550B

Lab Sample ID:	MB 360-49302/1-A	Analysis Batch:	360-49520	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49302	Lab File ID:	J03153.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/26/2009 1336			Final Weight/Volume:	1.0 mL
Date Prepared:	09/22/2009 1155			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
N-Nitrosodimethylamine	ND		1.2	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	75	30 - 130
2-Fluorobiphenyl	68	30 - 130
2-Fluorophenol	71	30 - 130
Nitrobenzene-d5	61	30 - 130
Phenol-d5	76	30 - 130
Terphenyl-d14	80	30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49302

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-49302/2-A	Analysis Batch:	360-49520	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49302	Lab File ID:	J03154.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/26/2009 1409			Final Weight/Volume:	1.0 mL
Date Prepared:	09/22/2009 1155			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49302/3-A	Analysis Batch:	360-49520	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49302	Lab File ID:	J03155.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/26/2009 1441			Final Weight/Volume:	1.0 mL
Date Prepared:	09/22/2009 1155			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
N-Nitrosodimethylamine	64	69	40 - 140	8	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	77	79	30 - 130
2-Fluorobiphenyl	66	68	30 - 130
2-Fluorophenol	54	53	30 - 130
Nitrobenzene-d5	67	67	30 - 130
Phenol-d5	58	57	30 - 130
Terphenyl-d14	69	87	30 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49302

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-49302/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49302/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/26/2009 1409			Date Analyzed:	09/26/2009 1441
Date Prepared:	09/22/2009 1155			Date Prepared:	09/22/2009 1155

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
N-Nitrosodimethylamine	100	100	63.7	68.7

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49345/1-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10631.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2147			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		10	33
1,2,4-Trichlorobenzene	ND		10	33
1,2-Dichlorobenzene	ND		10	33
1,3-Dichlorobenzene	ND		10	33
1,4-Dichlorobenzene	ND		10	33
1-Methylnaphthalene	ND		10	33
2,3,4,6-Tetrachlorophenol	ND		10	33
2,4-Dimethylphenol	ND		13	33
2-Chlorophenol	ND		10	33
2,4-Dichlorophenol	ND		10	33
2,4,6-Trichlorophenol	ND		10	33
2-Methylphenol	ND		20	33
2,4,5-Trichlorophenol	ND		10	33
2-Methylnaphthalene	ND		10	33
3 & 4 Methylphenol	ND		10	33
3,3'-Dichlorobenzidine	ND		10	67
2-Nitroaniline	ND		10	170
2-Chloronaphthalene	ND		10	33
2,6-Dinitrotoluene	ND		10	33
4-Chloro-3-methylphenol	ND		10	67
4-Chloroaniline	ND		10	67
2-Nitrophenol	ND		10	33
3-Nitroaniline	ND		10	170
2,4-Dinitrophenol	ND		10	33
2,4-Dinitrotoluene	ND		10	33
Acenaphthene	ND		10	33
Acenaphthylene	ND		10	33
4-Nitrophenol	ND		10	170
Aniline	ND		10	33
4-Nitroaniline	ND		10	170
Azobenzene	ND		10	33
4-Bromophenyl phenyl ether	ND		10	33
4-Chlorophenyl phenyl ether	ND		10	33
Benzoic acid	99.8	J	15	170
4,6-Dinitro-2-methylphenol	ND		10	170
Anthracene	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Butyl benzyl phthalate	ND		10	33

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49345/1-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10631.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2147			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Caprolactam	ND		10	33
Benzo[a]anthracene	ND		10	33
Chrysene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzo[a]pyrene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dimethyl phthalate	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Acetophenone	ND		10	33
Di-n-butyl phthalate	65.2		29	33
Bis(2-ethylhexyl) phthalate	ND		10	33
Di-n-octyl phthalate	ND		17	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
2,2'-oxybis[1-chloropropane]	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
Atrazine	ND		10	33
N-Nitrosodimethylamine	ND		12	33
Benzaldehyde	ND		10	33
N-Nitrosodi-n-propylamine	ND		10	33
Carbazole	ND		10	33
Benzophenone	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Diphenyl oxide	ND		10	33
Pentachlorophenol	ND		10	33
Phenanthrene	ND		10	40
Phenol	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	74	30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	77	30 - 130
2-Fluorophenol	98	30 - 130
Nitrobenzene-d5	79	30 - 130
Phenol-d5	87	30 - 130
Terphenyl-d14	81	30 - 130

Method Blank TICs- Batch: 360-49345

Cas Number	Analyte	RT	Est. Result	Qual
121-33-5	Vanillin	9.08	14.8	T J N
111-82-0	Dodecanoic acid, methyl ester	9.56	10.2	T J N
593-45-3	Octadecane	10.65	53.7	T J N
112-95-8	Eicosane	11.35	37.0	T J N

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10632.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2216			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49345/3-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10633.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2244			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	85	89	40 - 140	5	30		
1,2,4,5-Tetrachlorobenzene	74	81	40 - 140	9	30		
1,2,4-Trichlorobenzene	66	72	40 - 140	8	30		
1,2-Dichlorobenzene	63	65	40 - 140	2	30		
1,3-Dichlorobenzene	60	62	40 - 140	2	30		
1,4-Dichlorobenzene	60	61	40 - 140	3	30		
1-Methylnaphthalene	72	78	40 - 140	8	30		
2,3,4,6-Tetrachlorophenol	84	90	40 - 140	7	30		
2,4-Dimethylphenol	84	93	30 - 130	10	30		
2-Chlorophenol	68	72	30 - 130	6	30		
2,4-Dichlorophenol	82	90	30 - 130	9	30		
2,4,6-Trichlorophenol	96	103	30 - 130	7	30		
2-Methylphenol	75	81	30 - 130	8	30		
2,4,5-Trichlorophenol	91	92	30 - 130	1	30		
2-Methylnaphthalene	73	80	40 - 140	10	30		
3 & 4 Methylphenol	79	82	30 - 130	4	30		
2-Nitroaniline	105	112	40 - 140	6	30		
3,3'-Dichlorobenzidine	88	95	40 - 140	7	30		
2-Chloronaphthalene	64	69	40 - 140	7	30		
2,6-Dinitrotoluene	86	92	40 - 140	6	30		
4-Chloro-3-methylphenol	84	93	30 - 130	10	30		
2-Nitrophenol	78	85	30 - 130	8	30		
4-Chloroaniline	62	67	40 - 140	8	30		
3-Nitroaniline	92	100	40 - 140	8	30		
2,4-Dinitrophenol	74	82	30 - 130	11	30		
2,4-Dinitrotoluene	83	88	40 - 140	7	30		
Acenaphthene	94	100	40 - 140	6	30		
Acenaphthylene	78	83	40 - 140	6	30		
4-Nitrophenol	97	104	30 - 130	7	30		
Aniline	32	34	40 - 140	6	30	*	*
4-Nitroaniline	84	89	40 - 140	6	30		
Azobenzene	87	91	40 - 140	4	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10632.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2216			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49345/3-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10633.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2244			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Bromophenyl phenyl ether	86	89	40 - 140	3	30		
4-Chlorophenyl phenyl ether	84	90	40 - 140	7	30		
4,6-Dinitro-2-methylphenol	84	95	30 - 130	12	30		
Benzoic acid	66	83	30 - 130	23	30		
Anthracene	101	104	40 - 140	3	30		
Benzyl alcohol	74	66	30 - 130	11	30		
Bis(2-chloroethoxy)methane	73	80	40 - 140	9	30		
Bis(2-chloroethyl)ether	63	66	40 - 140	3	30		
Butyl benzyl phthalate	87	90	40 - 140	3	30		
Benzo[a]anthracene	104	112	40 - 140	8	30		
Caprolactam	76	80	40 - 140	5	30		
Chrysene	96	103	40 - 140	6	30		
Benzo[b]fluoranthene	96	102	40 - 140	5	30		
Benzo[k]fluoranthene	110	115	40 - 140	4	30		
Benzo[a]pyrene	101	104	40 - 140	3	30		
Dibenzofuran	82	87	40 - 140	6	30		
Dibenz(a,h)anthracene	108	112	40 - 140	3	30		
Diethyl phthalate	87	92	40 - 140	5	30		
Benzo[g,h,i]perylene	110	113	40 - 140	3	30		
Dimethyl phthalate	85	90	40 - 140	5	30		
Acetophenone	75	77	40 - 140	3	30		
Di-n-butyl phthalate	103	107	40 - 140	4	30		
Bis(2-ethylhexyl) phthalate	79	80	40 - 140	1	30		
Di-n-octyl phthalate	80	80	40 - 140	0	30		
Fluoranthene	97	102	40 - 140	5	30		
Fluorene	100	106	40 - 140	6	30		
Hexachlorobenzene	88	93	40 - 140	6	30		
Hexachlorobutadiene	67	72	40 - 140	7	30		
2,2'-oxybis[1-chloropropane]	67	69	40 - 140	3	30		
Hexachlorocyclopentadiene	60	68	40 - 140	13	30		
Hexachloroethane	63	64	40 - 140	2	30		
Indeno[1,2,3-cd]pyrene	123	127	40 - 140	3	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10632.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2216			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49345/3-A	Analysis Batch:	360-49685	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10633.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/29/2009 2244			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Isophorone	63	68	40 - 140	8	30		
Naphthalene	72	78	40 - 140	7	30		
Nitrobenzene	71	77	40 - 140	8	30		
Atrazine	109	113	40 - 140	4	30		
Benzaldehyde	89	91	40 - 140	3	30		
N-Nitrosodimethylamine	72	75	40 - 140	4	30		
Carbazole	99	106	40 - 140	7	30		
N-Nitrosodi-n-propylamine	76	79	40 - 140	4	30		
Benzophenone	92	95	40 - 140	4	30		
N-Nitrosodiphenylamine	64	67	40 - 140	5	30		
Diphenyl oxide	76	83	40 - 140	9	30		
Pentachlorophenol	85	96	30 - 130	12	30		
Phenanthrene	96	103	40 - 140	8	30		
Phenol	71	75	30 - 130	6	30		
Pyrene	88	91	40 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	75	79	30 - 130
2-Fluorobiphenyl	73	80	30 - 130
2-Fluorophenol	72	76	30 - 130
Nitrobenzene-d5	67	74	30 - 130
Phenol-d5	65	71	30 - 130
Terphenyl-d14	68	71	30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49345/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/29/2009 2216			Date Analyzed:	09/29/2009 2244
Date Prepared:	09/23/2009 1139			Date Prepared:	09/23/2009 1139

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	282		298	
1,2,4,5-Tetrachlorobenzene	333	333	245		269	
1,2,4-Trichlorobenzene	333	333	222		239	
1,2-Dichlorobenzene	333	333	211		216	
1,3-Dichlorobenzene	333	333	202		206	
1,4-Dichlorobenzene	333	333	199		205	
1-Methylnaphthalene	333	333	241		261	
2,3,4,6-Tetrachlorophenol	333	333	279		299	
2,4-Dimethylphenol	333	333	281		310	
2-Chlorophenol	333	333	225		238	
2,4-Dichlorophenol	333	333	275		300	
2,4,6-Trichlorophenol	333	333	320		343	
2-Methylphenol	333	333	250		271	
2,4,5-Trichlorophenol	333	333	303		306	
2-Methylnaphthalene	333	333	242		266	
3 & 4 Methylphenol	333	333	264		274	
2-Nitroaniline	333	333	350		373	
3,3'-Dichlorobenzidine	333	333	295		316	
2-Chloronaphthalene	333	333	214		229	
2,6-Dinitrotoluene	333	333	288		307	
4-Chloro-3-methylphenol	333	333	280		311	
2-Nitrophenol	333	333	260		283	
4-Chloroaniline	333	333	207		224	
3-Nitroaniline	333	333	307		333	
2,4-Dinitrophenol	333	333	247		275	
2,4-Dinitrotoluene	333	333	275		294	
Acenaphthene	333	333	313		334	
Acenaphthylene	333	333	260		276	
4-Nitrophenol	333	333	322		346	
Aniline	333	333	108	*	115	*
4-Nitroaniline	333	333	279		296	
Azobenzene	333	333	291		302	
4-Bromophenyl phenyl ether	333	333	288		298	
4-Chlorophenyl phenyl ether	333	333	281		302	
4,6-Dinitro-2-methylphenol	333	333	279		316	
Benzoic acid	333	333	219		277	
Anthracene	333	333	337		348	
Benzyl alcohol	333	333	247		221	
Bis(2-chloroethoxy)methane	333	333	243		267	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49345/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/29/2009 2216			Date Analyzed:	09/29/2009 2244
Date Prepared:	09/23/2009 1139			Date Prepared:	09/23/2009 1139

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bis(2-chloroethyl)ether	333	333	212	219
Butyl benzyl phthalate	333	333	290	299
Benzo[a]anthracene	333	333	345	374
Caprolactam	333	333	253	265
Chrysene	333	333	321	342
Benzo[b]fluoranthene	333	333	321	339
Benzo[k]fluoranthene	333	333	366	383
Benzo[a]pyrene	333	333	337	348
Dibenzofuran	333	333	273	292
Dibenz(a,h)anthracene	333	333	362	372
Diethyl phthalate	333	333	290	306
Benzo[g,h,i]perylene	333	333	365	375
Dimethyl phthalate	333	333	284	299
Acetophenone	333	333	250	257
Di-n-butyl phthalate	333	333	344	358
Bis(2-ethylhexyl) phthalate	333	333	264	268
Di-n-octyl phthalate	333	333	267	267
Fluoranthene	333	333	324	341
Fluorene	333	333	333	354
Hexachlorobenzene	333	333	292	310
Hexachlorobutadiene	333	333	223	241
2,2'-oxybis[1-chloropropane]	333	333	223	230
Hexachlorocyclopentadiene	333	333	200	228
Hexachloroethane	333	333	210	214
Indeno[1,2,3-cd]pyrene	333	333	409	422
Isophorone	333	333	210	228
Naphthalene	333	333	241	260
Nitrobenzene	333	333	237	258
Atrazine	333	333	364	377
Benzaldehyde	333	333	296	304
N-Nitrosodimethylamine	333	333	242	250
Carbazole	333	333	328	353
N-Nitrosodi-n-propylamine	333	333	254	264
Benzophenone	333	333	306	318
N-Nitrosodiphenylamine	333	333	212	223
Diphenyl oxide	333	333	255	278
Pentachlorophenol	333	333	282	320
Phenanthrene	333	333	319	344
Phenol	333	333	238	251

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49345/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49345/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/29/2009 2216			Date Analyzed:	09/29/2009 2244
Date Prepared:	09/23/2009 1139			Date Prepared:	09/23/2009 1139

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	293	304

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10708.D
Dilution:	10			Initial Weight/Volume:	30.02 g
Date Analyzed:	10/03/2009 2319			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10709.D
Dilution:	10			Initial Weight/Volume:	30.31 g
Date Analyzed:	10/03/2009 2347			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	73	70	40 - 140	6	30	J	J
1,2,4,5-Tetrachlorobenzene	73	70	40 - 140	4	30	J	J
1,2,4-Trichlorobenzene	65	63	40 - 140	4	30	J	J
1,2-Dichlorobenzene	63	66	40 - 140	4	30	J	J
1,3-Dichlorobenzene	62	58	40 - 140	9	30	J	J
1,4-Dichlorobenzene	61	60	40 - 140	3	30	J	J
1-Methylnaphthalene	71	68	40 - 140	5	30	J	J
2,2'-oxybis[1-chloropropane]	68	69	40 - 140	1	30	J	J
2,3,4,6-Tetrachlorophenol	71	72	40 - 140	0	30	J	J
2,4,5-Trichlorophenol	66	74	30 - 130	11	30	J	J
2,4,6-Trichlorophenol	70	72	30 - 130	2	30	J	J
2,4-Dichlorophenol	68	73	30 - 130	5	30	J	J
2,4-Dimethylphenol	73	71	30 - 130	3	30	J	J
2,4-Dinitrophenol	190	185	30 - 130	4	30	F	F
2,4-Dinitrotoluene	63	65	40 - 140	3	30	J	J
2,6-Dinitrotoluene	67	66	40 - 140	1	30	J	J
2-Chloronaphthalene	54	53	40 - 140	2	30	J	J
2-Chlorophenol	69	66	30 - 130	6	30	J	J
2-Methylnaphthalene	69	70	40 - 140	1	30	J	J
2-Methylphenol	65	65	30 - 130	1	30	J	J
2-Nitroaniline	0	0	40 - 140	NC	30	F	F
2-Nitrophenol	74	71	30 - 130	6	30	J	J
3 & 4 Methylphenol	69	63	30 - 130	10	30	J	J
3,3'-Dichlorobenzidine	0	0	40 - 140	NC		F	F
3-Nitroaniline	35	77	40 - 140	74	30	J F	J F
4,6-Dinitro-2-methylphenol	88	77	30 - 130	14	30	J	J
4-Bromophenyl phenyl ether	69	67	40 - 140	3	30	J	J
4-Chloro-3-methylphenol	65	73	30 - 130	12	30	J	J
4-Chloroaniline	0	0	40 - 140	NC	30	F	F
4-Chlorophenyl phenyl ether	66	65	40 - 140	3	30	J	J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10708.D
Dilution:	10			Initial Weight/Volume:	30.02 g
Date Analyzed:	10/03/2009 2319			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10709.D
Dilution:	10			Initial Weight/Volume:	30.31 g
Date Analyzed:	10/03/2009 2347			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4-Nitroaniline	74	69	40 - 140	7	30	J	J
4-Nitrophenol	78	86	30 - 130	9	30	J	J
Acenaphthene	75	75	40 - 140	2	30	J	J
Acenaphthylene	66	64	40 - 140	5	30	J	J
Acetophenone	70	72	40 - 140	2	30	J	J
Aniline	0	0	40 - 140	NC	30	F	F
Anthracene	83	84	40 - 140	0	30	J	J
Atrazine	94	90	40 - 140	5	30	J	J
Azobenzene	71	69	40 - 140	4	30	J	J
Benzaldehyde	133	135	40 - 140	1	30		
Benzo[a]anthracene	80	77	40 - 140	3	30		
Benzo[a]pyrene	70	62	40 - 140	8	30		
Benzo[b]fluoranthene	51	47	40 - 140	3	30		
Benzo[g,h,i]perylene	53	54	40 - 140	0	30	J	J
Benzo[k]fluoranthene	114	108	40 - 140	6	30		
Benzoic acid	118	115	30 - 130	2	30	J	J
Benzophenone	71	67	40 - 140	7	30	J	J
Benzyl alcohol	0	0	30 - 130	NC	30	F	F
Bis(2-chloroethoxy)methane	66	63	40 - 140	7	30	J	J
Bis(2-chloroethyl)ether	65	60	40 - 140	8	30	J	J
Bis(2-ethylhexyl) phthalate	30	99	40 - 140	31	30	F	F
Butyl benzyl phthalate	86	89	40 - 140	2	30	J	J
Caprolactam	74	74	40 - 140	2	30	J	J
Carbazole	83	84	40 - 140	0	30	J	J
Chrysene	62	62	40 - 140	1	30		
Dibenz(a,h)anthracene	82	89	40 - 140	7	30	J	J
Dibenzofuran	68	67	40 - 140	2	30	J	J
Diethyl phthalate	70	70	40 - 140	1	30	J	J
Dimethyl phthalate	79	78	40 - 140	2	30	J	J
Di-n-butyl phthalate	0	89	40 - 140	NC	30	F	J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10708.D
Dilution:	10			Initial Weight/Volume:	30.02 g
Date Analyzed:	10/03/2009 2319			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49826	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49345	Lab File ID:	B10709.D
Dilution:	10			Initial Weight/Volume:	30.31 g
Date Analyzed:	10/03/2009 2347			Final Weight/Volume:	1.0 mL
Date Prepared:	09/23/2009 1139			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-octyl phthalate	83	80	40 - 140	4	30	J	J
Diphenyl oxide	74	75	40 - 140	0	30	J	J
Fluoranthene	51	51	40 - 140	0	30		
Fluorene	58	55	40 - 140	2	30		
Hexachlorobenzene	65	65	40 - 140	1	30	J	J
Hexachlorobutadiene	62	59	40 - 140	5	30	J	J
Hexachlorocyclopentadiene	73	65	40 - 140	12	30	J	J
Hexachloroethane	58	51	40 - 140	13	30	J	J
Indeno[1,2,3-cd]pyrene	71	66	40 - 140	5	30		
Isophorone	57	57	40 - 140	1	30	J	J
Naphthalene	67	65	40 - 140	3	30	J	J
Nitrobenzene	64	62	40 - 140	4	30	J	J
N-Nitrosodimethylamine	65	59	40 - 140	11	30	J	J
N-Nitrosodi-n-propylamine	68	64	40 - 140	8	30	J	J
N-Nitrosodiphenylamine	54	63	40 - 140	15	30	J	J
Pentachlorophenol	126	127	30 - 130	0	30		
Phenanthrene	67	67	40 - 140	0	30	J	J
Phenol	69	66	30 - 130	7	30	J	J
Pyrene	62	66	40 - 140	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	68	71	30 - 130
2-Fluorobiphenyl	65	64	30 - 130
2-Fluorophenol	69	62	30 - 130
Nitrobenzene-d5	61	66	30 - 130
Phenol-d5	67	64	30 - 130
Terphenyl-d14	64	62	30 - 130

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Date Analyzed:	10/03/2009 2319		Date Analyzed:	10/03/2009 2347
Date Prepared:	09/23/2009 1139		Date Prepared:	09/23/2009 1139

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1'-Biphenyl	ND	365	362	267	J	253	J
1,2,4,5-Tetrachlorobenzene	ND	365	362	266	J	255	J
1,2,4-Trichlorobenzene	ND	365	362	239	J	229	J
1,2-Dichlorobenzene	ND	365	362	229	J	238	J
1,3-Dichlorobenzene	ND	365	362	227	J	209	J
1,4-Dichlorobenzene	ND	365	362	222	J	216	J
1-Methylnaphthalene	ND	365	362	258	J	246	J
2,2'-oxybis[1-chloropropane]	ND	365	362	250	J	248	J
2,3,4,6-Tetrachlorophenol	ND	365	362	261	J	260	J
2,4,5-Trichlorophenol	ND	365	362	240	J	267	J
2,4,6-Trichlorophenol	ND	365	362	255	J	260	J
2,4-Dichlorophenol	ND	365	362	250	J	262	J
2,4-Dimethylphenol	ND	365	362	265	J	258	J
2,4-Dinitrophenol	ND	365	362	695	F	669	F
2,4-Dinitrotoluene	ND	365	362	230	J	236	J
2,6-Dinitrotoluene	ND	365	362	244	J	240	J
2-Chloronaphthalene	ND	365	362	197	J	193	J
2-Chlorophenol	ND	365	362	253	J	238	J
2-Methylnaphthalene	ND	365	362	251	J	253	J
2-Methylphenol	ND	365	362	239	J	237	J
2-Nitroaniline	ND	365	362	ND	F	ND	F
2-Nitrophenol	ND	365	362	270	J	256	J
3 & 4 Methylphenol	ND	365	362	251	J	228	J
3,3'-Dichlorobenzidine	ND	365	362	ND	F	ND	F
3-Nitroaniline	ND	365	362	128	J F	277	J F
4,6-Dinitro-2-methylphenol	ND	365	362	320	J	277	J
4-Bromophenyl phenyl ether	ND	365	362	251	J	244	J
4-Chloro-3-methylphenol	ND	365	362	237	J	266	J
4-Chloroaniline	ND	365	362	ND	F	ND	F
4-Chlorophenyl phenyl ether	ND	365	362	241	J	235	J
4-Nitroaniline	ND	365	362	269	J	251	J
4-Nitrophenol	ND	365	362	284	J	310	J
Acenaphthene	ND	365	362	275	J	270	J
Acenaphthylene	ND	365	362	241	J	230	J
Acetophenone	ND	365	362	256	J	260	J
Aniline	ND	365	362	ND	F	ND	F
Anthracene	ND	365	362	302	J	303	J
Atrazine	ND	365	362	344	J	326	J
Azobenzene	ND	365	362	260	J	251	J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Date Analyzed:	10/03/2009 2319		Date Analyzed:	10/03/2009 2347
Date Prepared:	09/23/2009 1139		Date Prepared:	09/23/2009 1139

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzaldehyde	ND		365	362	487		490	
Benzo[a]anthracene	130	J	365	362	425		414	
Benzo[a]pyrene	170	J	365	362	426		394	
Benzo[b]fluoranthene	310	J	365	362	501		486	
Benzo[g,h,i]perylene	160	J	365	362	350	J	352	J
Benzo[k]fluoranthene	ND		365	362	417		391	
Benzoic acid	490	J	365	362	922	J	905	J
Benzophenone	ND		365	362	259	J	241	J
Benzyl alcohol	ND		365	362	ND	F	ND	F
Bis(2-chloroethoxy)methane	ND		365	362	242	J	227	J
Bis(2-chloroethyl)ether	ND		365	362	236	J	218	J
Bis(2-ethylhexyl) phthalate	550		365	362	666	F	914	F
Butyl benzyl phthalate	ND		365	362	314	J	322	J
Caprolactam	ND		365	362	271	J	266	J
Carbazole	ND		365	362	305	J	303	J
Chrysene	300	J	365	362	529		526	
Dibenz(a,h)anthracene	ND		365	362	299	J	322	J
Dibenzofuran	ND		365	362	250	J	244	J
Diethyl phthalate	ND		365	362	255	J	254	J
Dimethyl phthalate	ND		365	362	289	J	282	J
Di-n-butyl phthalate	ND		365	362	ND	F	324	J
Di-n-octyl phthalate	ND		365	362	302	J	289	J
Diphenyl oxide	ND		365	362	270	J	270	J
Fluoranthene	430		365	362	614		614	
Fluorene	210	J	365	362	416		406	
Hexachlorobenzene	ND		365	362	237	J	235	J
Hexachlorobutadiene	ND		365	362	225	J	214	J
Hexachlorocyclopentadiene	ND		365	362	267	J	236	J
Hexachloroethane	ND		365	362	212	J	186	J
Indeno[1,2,3-cd]pyrene	130	J	365	362	390		369	
Isophorone	ND		365	362	207	J	206	J
Naphthalene	ND		365	362	244	J	236	J
Nitrobenzene	ND		365	362	235	J	225	J
N-Nitrosodimethylamine	ND		365	362	238	J	212	J
N-Nitrosodi-n-propylamine	ND		365	362	250	J	231	J
N-Nitrosodiphenylamine	ND		365	362	197	J	228	J
Pentachlorophenol	ND		365	362	460		460	
Phenanthrene	150	J	365	362	390	J	390	J
Phenol	ND		365	362	254	J	237	J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49345

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Date Analyzed:	10/03/2009 2319		Date Analyzed:	10/03/2009 2347
Date Prepared:	09/23/2009 1139		Date Prepared:	09/23/2009 1139

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Pyrene	340	J	365	362	561	575

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 640-60840

Method: 8315A
Preparation: 8315_W_Prep

Lab Sample ID:	MB 640-60840/1-A	Analysis Batch:	640-60957	Instrument ID:	LCM Waters 486
Client Matrix:	Water	Prep Batch:	640-60840	Lab File ID:	1I18M23.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/18/2009 1355			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1134			Injection Volume:	10 uL

Analyte	Result	Qual	MDL	RL
Formaldehyde	ND		5.0	50
Acetaldehyde	ND		10	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60840

Method: 8315A
Preparation: 8315_W_Prep

LCS Lab Sample ID:	LCS 640-60840/2-A	Analysis Batch:	640-60957	Instrument ID:	LCM Waters 486
Client Matrix:	Water	Prep Batch:	640-60840	Lab File ID:	1I18M24.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/18/2009 1406			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1134			Injection Volume:	10 uL

LCSD Lab Sample ID:	LCSD 640-60840/3-A	Analysis Batch:	640-60957	Instrument ID:	LCM Waters 486
Client Matrix:	Water	Prep Batch:	640-60840	Lab File ID:	1I18M25.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/18/2009 1418			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1134			Injection Volume:	10 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Formaldehyde	91	97	70 - 125	6	20		
Acetaldehyde	85	89	79 - 113	5	20		

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60840

Method: 8315A
Preparation: 8315_W_Prep

LCS Lab Sample ID:	LCS 640-60840/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 640-60840/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1406			Date Analyzed:	09/18/2009 1418
Date Prepared:	09/17/2009 1134			Date Prepared:	09/17/2009 1134

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Formaldehyde	150	150	137	145
Acetaldehyde	150	150	127	134

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 640-60976

Method: 8315A
Preparation: 8315_S_Prep

Lab Sample ID:	MB 640-60976/1-A	Analysis Batch:	640-61261	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60976	Lab File ID:	1I23M3.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/23/2009 0850			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0759			Injection Volume:	10 uL

Analyte	Result	Qual	MDL	RL
Formaldehyde	ND		78	100
Acetaldehyde	ND		29	200

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60976

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID:	LCS 640-60976/2-A	Analysis Batch:	640-61261	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60976	Lab File ID:	1I23M4.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/23/2009 0901			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0759			Injection Volume:	10 uL

LCSD Lab Sample ID:	LCSD 640-60976/3-A	Analysis Batch:	640-61261	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60976	Lab File ID:	1I23M5.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/23/2009 0913			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0759			Injection Volume:	10 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Formaldehyde	101	98	71 - 122	3	30		
Acetaldehyde	103	101	61 - 131	2	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60976

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID:	LCS 640-60976/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 640-60976/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/23/2009 0901			Date Analyzed:	09/23/2009 0913
Date Prepared:	09/21/2009 0759			Date Prepared:	09/21/2009 0759

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Formaldehyde	750	750	760	736
Acetaldehyde	750	750	773	756

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 640-60871

Method: LC65
Preparation: LC65

Lab Sample ID:	MB 640-60871/1-A	Analysis Batch:	640-61147	Instrument ID:	LCJ Waters 484
Client Matrix:	Water	Prep Batch:	640-60871	Lab File ID:	1I21J3.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/21/2009 0125			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1115			Injection Volume:	20 uL

Analyte	Result	Qual	MDL	RL
Phthalic Acid/Phthalic anhydride	ND		1.4	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60871

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60871/2-A	Analysis Batch:	640-61147	Instrument ID:	LCJ Waters 484
Client Matrix:	Water	Prep Batch:	640-60871	Lab File ID:	1I21J4.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/21/2009 0137			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1115			Injection Volume:	20 uL

LCSD Lab Sample ID:	LCSD 640-60871/3-A	Analysis Batch:	640-61147	Instrument ID:	LCJ Waters 484
Client Matrix:	Water	Prep Batch:	640-60871	Lab File ID:	1I21J5.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/21/2009 0150			Final Weight/Volume:	4.0 mL
Date Prepared:	09/17/2009 1115			Injection Volume:	20 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phthalic Acid/Phthalic anhydride	38	28	53 - 151	32	46	*	*

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60871

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60871/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 640-60871/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 0137			Date Analyzed:	09/21/2009 0150
Date Prepared:	09/17/2009 1115			Date Prepared:	09/17/2009 1115

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Phthalic Acid/Phthalic anhydride	40.0	40.0	15.3	*	11.1	*

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 640-60977

Method: LC65
Preparation: LC65

Lab Sample ID:	MB 640-60977/1-A	Analysis Batch:	640-61236	Instrument ID:	LCK Waters 486
Client Matrix:	Solid	Prep Batch:	640-60977	Lab File ID:	1I24K6.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/24/2009 1118			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0805			Injection Volume:	50 uL

Analyte	Result	Qual	MDL	RL
Phthalic Acid/Phthalic anhydride	ND		18	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60977

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60977/2-A	Analysis Batch:	640-61236	Instrument ID:	LCK Waters 486
Client Matrix:	Solid	Prep Batch:	640-60977	Lab File ID:	1I24K7.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/24/2009 1127			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0805			Injection Volume:	50 uL

LCSD Lab Sample ID:	LCSD 640-60977/3-A	Analysis Batch:	640-61236	Instrument ID:	LCK Waters 486
Client Matrix:	Solid	Prep Batch:	640-60977	Lab File ID:	1I24K8.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/24/2009 1136			Final Weight/Volume:	4.0 mL
Date Prepared:	09/21/2009 0805			Injection Volume:	50 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phthalic Acid/Phthalic anhydride	74	68	60 - 140	8	50		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60977

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60977/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 640-60977/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/24/2009 1127			Date Analyzed:	09/24/2009 1136
Date Prepared:	09/21/2009 0805			Date Prepared:	09/21/2009 0805

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phthalic Acid/Phthalic anhydride	400	400	295	273

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49010

Method: 8082
Preparation: 3546

Lab Sample ID: MB 360-49010/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1052
Date Prepared: 09/16/2009 0918

Analysis Batch: 360-49013
Prep Batch: 360-49010
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-ECDs
Lab File ID: M17602.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		14	100
PCB-1221	ND		15	100
PCB-1232	ND		23	100
PCB-1242	ND		64	100
PCB-1248	ND		22	100
PCB-1254	ND		26	100
PCB-1260	ND		28	100
PCB-1262	ND		14	100
PCB-1268	ND		21	100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	30 - 150
Tetrachloro-m-xylene	91	30 - 150

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49010

Method: 8082
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49010/2-A	Analysis Batch:	360-49013	Instrument ID:	6890 GC w/ dual
Client Matrix:	Solid	Prep Batch:	360-49010	Lab File ID:	M17603.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/16/2009 1113			Final Weight/Volume:	10 mL
Date Prepared:	09/16/2009 0918			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-49010/3-A	Analysis Batch:	360-49013	Instrument ID:	6890 GC w/ dual
Client Matrix:	Solid	Prep Batch:	360-49010	Lab File ID:	M17604.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/16/2009 1135			Final Weight/Volume:	10 mL
Date Prepared:	09/16/2009 0918			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	83	85	40 - 140	3	30		
PCB-1260	92	94	40 - 140	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	94	30 - 150
Tetrachloro-m-xylene	87	89	30 - 150

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49010

Method: 8082
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49010/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49010/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/16/2009 1113			Date Analyzed:	09/16/2009 1135
Date Prepared:	09/16/2009 0918			Date Prepared:	09/16/2009 0918

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	500	500	414	427
PCB-1260	500	500	459	469

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49010

Method: 8082
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Analysis Batch: 360-49051	Instrument ID: 6890 GC w/ dual micro-ECDs
Client Matrix:	Solid	Prep Batch: 360-49010	Lab File ID: M17629.D
Dilution:	1.0		Initial Weight/Volume: 10.16 g
Date Analyzed:	09/16/2009 2045		Final Weight/Volume: 10 mL
Date Prepared:	09/16/2009 1157		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	360-24582-22	Analysis Batch: 360-49051	Instrument ID: 6890 GC w/ dual micro-ECDs
Client Matrix:	Solid	Prep Batch: 360-49010	Lab File ID: M17630.D
Dilution:	1.0		Initial Weight/Volume: 10.39 g
Date Analyzed:	09/16/2009 2107		Final Weight/Volume: 10 mL
Date Prepared:	09/16/2009 1157		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	84	86	30 - 150	0	50		
PCB-1260	96	98	40 - 140	0	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	81	81	30 - 150
Tetrachloro-m-xylene	95	92	30 - 150

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49010

Method: 8082
Preparation: 3546

MS Lab Sample ID:	360-24582-22	Units: ug/Kg	MSD Lab Sample ID: 360-24582-22
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	09/16/2009 2045		Date Analyzed: 09/16/2009 2107
Date Prepared:	09/16/2009 1157		Date Prepared: 09/16/2009 1157

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	ND	540	528	451	451
PCB-1260	ND	540	528	516	516

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-48947

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-48947/1-A	Analysis Batch:	360-48971	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Water	Prep Batch:	360-48947	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/15/2009 1223			Final Weight/Volume:	50 mL
Date Prepared:	09/15/2009 0835				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		39	100
Antimony	ND		2.9	6.0
Arsenic	ND		2.3	10
Barium	ND		2.0	10
Beryllium	ND		0.20	1.0
Cadmium	ND		0.20	1.0
Calcium	ND		59	400
Chromium	ND		1.3	5.0
Cobalt	ND		2.0	10
Copper	ND		1.7	10
Iron	ND		34	100
Lead	ND		1.3	5.0
Magnesium	ND		50	400
Manganese	ND		1.3	10
Nickel	ND		1.5	10
Potassium	ND		500	4000
Selenium	ND		2.7	10
Silver	ND		1.8	5.0
Sodium	ND		250	2000
Vanadium	ND		1.5	10
Thallium	ND		1.4	10
Zinc	ND		10	50
Tin	ND		7.0	50

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48947

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-48947/2-A	Analysis Batch:	360-48971	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Water	Prep Batch:	360-48947	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/15/2009 1226			Final Weight/Volume:	50 mL
Date Prepared:	09/15/2009 0835				

LCSD Lab Sample ID:	LCSD 360-48947/3-A	Analysis Batch:	360-48971	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Water	Prep Batch:	360-48947	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/15/2009 1228			Final Weight/Volume:	50 mL
Date Prepared:	09/15/2009 0835				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	104	101	80 - 120	3	20		
Antimony	102	103	80 - 120	1	20		
Arsenic	104	101	80 - 120	3	20		
Barium	106	103	80 - 120	3	20		
Beryllium	104	101	80 - 120	3	20		
Cadmium	104	101	80 - 120	3	20		
Calcium	106	102	80 - 120	3	20		
Chromium	106	103	80 - 120	3	20		
Cobalt	105	102	80 - 120	3	20		
Copper	105	102	80 - 120	2	20		
Iron	104	102	80 - 120	2	20		
Lead	104	101	80 - 120	3	20		
Magnesium	103	100	80 - 120	3	20		
Manganese	106	102	80 - 120	3	20		
Nickel	105	101	80 - 120	4	20		
Potassium	99	93	80 - 120	5	20		
Selenium	104	101	80 - 120	3	20		
Silver	104	101	80 - 120	3	20		
Sodium	102	98	80 - 120	3	20		
Vanadium	107	103	80 - 120	3	20		
Thallium	102	99	80 - 120	3	20		
Tin	104	103	80 - 120	1	20		
Zinc	103	100	80 - 120	3	20		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48947

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-48947/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-48947/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/15/2009 1226			Date Analyzed:	09/15/2009 1228
Date Prepared:	09/15/2009 0835			Date Prepared:	09/15/2009 0835

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	5000	5000	5210	5040
Antimony	1000	1000	1020	1030
Arsenic	1000	1000	1040	1010
Barium	1000	1000	1060	1030
Beryllium	1000	1000	1040	1010
Cadmium	1000	1000	1040	1010
Calcium	20000	20000	21100	20500
Chromium	1000	1000	1060	1030
Cobalt	1000	1000	1050	1020
Copper	1000	1000	1050	1020
Iron	5000	5000	5190	5100
Lead	1000	1000	1040	1010
Magnesium	20000	20000	20600	20000
Manganese	1000	1000	1060	1020
Nickel	1000	1000	1050	1010
Potassium	20000	20000	19700	18700
Selenium	1000	1000	1040	1010
Silver	1000	1000	1040	1010
Sodium	20000	20000	20300	19600
Vanadium	1000	1000	1070	1030
Thallium	1000	1000	1020	989
Tin	1000	1000	1040	1030
Zinc	1000	1000	1030	1000

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike - Batch: 360-48947

Method: 6010B
Preparation: 3010A

Lab Sample ID: 360-24582-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/15/2009 1237
Date Prepared: 09/15/2009 0835

Analysis Batch: 360-48971
Prep Batch: 360-48947
Units: ug/L

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	ND		5000	5080	102	75 - 125	
Antimony	ND		1000	1030	103	75 - 125	
Arsenic	ND		1000	1020	102	75 - 125	
Barium	ND		1000	1040	104	75 - 125	
Beryllium	ND		1000	1020	102	75 - 125	
Cadmium	ND		1000	1010	101	75 - 125	
Calcium	78	J	20000	20700	103	75 - 125	
Chromium	ND		1000	1030	103	75 - 125	
Cobalt	ND		1000	1030	103	75 - 125	
Copper	29		1000	1070	104	75 - 125	
Iron	110		5000	5190	102	75 - 125	
Lead	ND		1000	1020	102	75 - 125	
Magnesium	ND		20000	20000	100	75 - 125	
Manganese	ND		1000	1040	104	75 - 125	
Nickel	ND		1000	1020	102	75 - 125	
Potassium	ND		20000	18700	94	75 - 125	
Selenium	3.2	J	1000	1010	101	75 - 125	
Silver	ND		1000	1020	102	75 - 125	
Sodium	ND		20000	19700	99	75 - 125	
Vanadium	ND		1000	1040	104	75 - 125	
Thallium	3.0	J	1000	994	99	75 - 125	
Zinc	ND		1000	1010	101	75 - 125	
Tin	ND		1000	1030	103	75 - 125	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Duplicate - Batch: 360-48947

Method: 6010B
Preparation: 3010A

Lab Sample ID: 360-24582-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/15/2009 1234
Date Prepared: 09/15/2009 0835

Analysis Batch: 360-48971
Prep Batch: 360-48947
Units: ug/L

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	ND		ND	NC	20	
Antimony	ND		ND	NC	20	
Arsenic	ND		ND	NC	20	
Barium	ND		ND	NC	20	
Beryllium	ND		ND	NC	20	
Cadmium	ND		ND	NC	20	
Calcium	78	J	103	28	20	J
Chromium	ND		ND	NC	20	
Cobalt	ND		ND	NC	20	
Copper	29		29.2	0	20	
Iron	110		105	0	20	
Lead	ND		ND	NC	20	
Magnesium	ND		ND	NC	20	
Manganese	ND		ND	NC	20	
Nickel	ND		ND	NC	20	
Potassium	ND		ND	NC	20	
Selenium	3.2	J	ND	NC	20	
Silver	ND		ND	NC	20	
Sodium	ND		ND	NC	20	
Vanadium	ND		ND	NC	20	
Thallium	3.0	J	ND	NC	20	
Zinc	ND		ND	NC	20	
Tin	ND		ND	NC	20	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49128

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-49128/1-A	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/18/2009 1212			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	8.34	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	1.09	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	2.07	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	0.244	J	0.23	0.50
Silver	ND		0.050	0.50
Sodium	ND		13	100
Vanadium	ND		0.065	1.0
Thallium	ND		0.072	1.0
Zinc	ND		0.59	2.5
Tin	0.443	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49128

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49128/2-A	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/18/2009 1215			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

LCSD Lab Sample ID:	LCSD 360-49128/3-A	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/18/2009 1218			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	95	95	80 - 120	0	30		
Antimony	86	90	80 - 120	4	30		
Arsenic	94	95	80 - 120	0	30		
Barium	97	97	80 - 120	0	30		
Beryllium	96	96	80 - 120	0	30		
Cadmium	94	94	80 - 120	0	30		
Calcium	97	98	80 - 120	0	30		
Chromium	96	97	80 - 120	0	30		
Cobalt	96	96	80 - 120	0	30		
Copper	97	97	80 - 120	0	30		
Iron	96	96	80 - 120	0	30		
Lead	94	94	80 - 120	0	30		
Magnesium	93	93	80 - 120	0	30		
Manganese	96	97	80 - 120	0	30		
Nickel	96	95	80 - 120	1	30		
Potassium	92	90	80 - 120	2	30		
Selenium	94	95	80 - 120	1	30		
Silver	95	95	80 - 120	0	30		
Sodium	93	93	80 - 120	0	30		
Vanadium	97	97	80 - 120	0	30		
Thallium	93	93	80 - 120	0	30		
Tin	95	96	80 - 120	1	30		
Zinc	93	93	80 - 120	0	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49128

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49128/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49128/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1215			Date Analyzed:	09/18/2009 1218
Date Prepared:	09/18/2009 0714			Date Prepared:	09/18/2009 0714

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	237	237
Antimony	50.0	50.0	43.2	45.1
Arsenic	50.0	50.0	47.2	47.3
Barium	50.0	50.0	48.6	48.7
Beryllium	50.0	50.0	47.8	47.9
Cadmium	50.0	50.0	47.2	47.2
Calcium	1000	1000	974	976
Chromium	50.0	50.0	48.2	48.4
Cobalt	50.0	50.0	47.8	47.9
Copper	50.0	50.0	48.6	48.5
Iron	250	250	240	240
Lead	50.0	50.0	47.2	47.1
Magnesium	1000	1000	935	932
Manganese	50.0	50.0	48.2	48.4
Nickel	50.0	50.0	47.8	47.5
Potassium	1000	1000	919	896
Selenium	50.0	50.0	47.1	47.3
Silver	50.0	50.0	47.6	47.4
Sodium	1000	1000	929	925
Vanadium	50.0	50.0	48.4	48.6
Thallium	50.0	50.0	46.7	46.7
Tin	50.0	50.0	47.7	48.1
Zinc	50.0	50.0	46.7	46.6

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike - Batch: 360-49128

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-24582-22	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.76 g
Date Analyzed:	09/18/2009 1226			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5200		311	5630	150	75 - 125	4
Antimony	0.81		62.3	35.7	56	75 - 125	F
Arsenic	4.2		62.3	61.3	92	75 - 125	
Barium	27		62.3	67.4	65	75 - 125	F
Beryllium	0.16	J	62.3	58.0	93	75 - 125	
Cadmium	0.68		62.3	56.6	90	75 - 125	
Calcium	590		1250	1790	97	75 - 125	
Chromium	57		62.3	106	79	75 - 125	
Cobalt	2.0		62.3	59.2	92	75 - 125	
Copper	32		62.3	89.9	93	75 - 125	
Iron	8800		311	7560	-390	75 - 125	4
Lead	26		62.3	66.2	64	75 - 125	F
Magnesium	910		1250	2070	93	75 - 125	
Manganese	53		62.3	106	86	75 - 125	
Nickel	7.3		62.3	63.0	90	75 - 125	
Potassium	440		1250	1590	93	75 - 125	
Selenium	ND		62.3	56.6	91	75 - 125	
Silver	0.88		62.3	57.9	91	75 - 125	
Sodium	ND		1250	1070	86	75 - 125	
Thallium	ND		62.3	53.7	86	75 - 125	
Vanadium	9.9		62.3	68.1	93	75 - 125	
Zinc	280		62.3	302	33	75 - 125	4
Tin	22		62.3	75.0	85	75 - 125	

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Duplicate - Batch: 360-49128

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-24582-22	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.79 g
Date Analyzed:	09/18/2009 1224			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	5200		5060	2	35	
Antimony	0.81		ND	NC	35	
Arsenic	4.2		4.46	6	35	
Barium	27		14.9	57	35	F
Beryllium	0.16	J	0.144	8	35	J
Cadmium	0.68		0.605	11	35	
Calcium	590		653	10	35	
Chromium	57		48.1	17	35	
Cobalt	2.0		2.54	22	35	
Copper	32		29.7	7	35	
Iron	8800		12000	31	35	
Lead	26		11.4	79	35	F
Magnesium	910		1040	13	35	
Manganese	53		64.8	20	35	
Nickel	7.3		6.79	7	35	
Potassium	440		601	32	35	
Selenium	ND		ND	NC	35	
Silver	0.88		0.654	29	35	
Sodium	ND		ND	NC	35	
Vanadium	9.9		12.0	19	35	
Thallium	ND		ND	NC	35	
Zinc	280		243	15	35	
Tin	22		18.3	20	35	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49066

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 360-49066/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0934
Date Prepared: 09/17/2009 0812

Analysis Batch: 360-49149
Prep Batch: 360-49066
Units: ug/L

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.065	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49066

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 360-49066/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0936
Date Prepared: 09/17/2009 0812

Analysis Batch: 360-49149
Prep Batch: 360-49066
Units: ug/L

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 360-49066/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0938
Date Prepared: 09/17/2009 0812

Analysis Batch: 360-49149
Prep Batch: 360-49066
Units: ug/L

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	100	98	80 - 120	2	20		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49066

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 360-49066/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0936
Date Prepared: 09/17/2009 0812

LCSD Lab Sample ID: LCSD 360-49066/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0938
Date Prepared: 09/17/2009 0812

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.98	4.89

Matrix Spike - Batch: 360-49066

Method: 7470A
Preparation: 7470A

Lab Sample ID: 360-24582-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0944
Date Prepared: 09/17/2009 0812

Analysis Batch: 360-49149
Prep Batch: 360-49066
Units: ug/L

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	5.00	5.11	102	75 - 125	

Duplicate - Batch: 360-49066

Method: 7470A
Preparation: 7470A

Lab Sample ID: 360-24582-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/18/2009 0942
Date Prepared: 09/17/2009 0812

Analysis Batch: 360-49149
Prep Batch: 360-49066
Units: ug/L

Instrument ID: Leeman Labs Automated Mercury
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49130

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-49130/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1222
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.034	0.19

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49130

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-49130/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1224
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 360-49130/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1226
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	108	106	80 - 120	2	30		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49130

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-49130/2-A
Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1224
Date Prepared: 09/17/2009 1601

LCSD Lab Sample ID: LCSD 360-49130/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1226
Date Prepared: 09/17/2009 1601

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	1.25	1.25	1.35	1.32

Matrix Spike - Batch: 360-49130

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-24582-22
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1231
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.22 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.17	J	1.25	1.37	96	75 - 125	

Duplicate - Batch: 360-49130

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-24582-22
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1229
Date Prepared: 09/17/2009 1601

Analysis Batch: 360-49177
Prep Batch: 360-49130
Units: mg/Kg

Instrument ID: Leeman Labs Automated Mercury
Lab File ID: N/A
Initial Weight/Volume: 0.23 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.17	J	0.0491	112	35	J

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49301

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 360-49301/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 1619
Date Prepared: N/A

Analysis Batch: 360-49301
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Sulfate	ND		2.0	2.0
Chloride	ND		1.0	1.0

Lab Control Sample - Batch: 360-49301

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 360-49301/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 1634
Date Prepared: N/A

Analysis Batch: 360-49301
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	80.0	82.8	104	85 - 115	
Chloride	40.0	41.5	104	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49554

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 360-49375/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/25/2009 1117
Date Prepared: N/A
Date Leached: 09/23/2009 1530

Analysis Batch: 360-49554
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Sulfate-Soluble	ND		4.0	4.0
Chloride-Soluble	ND		2.0	2.0

Lab Control Sample - Batch: 360-49554

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 360-49375/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/25/2009 1133
Date Prepared: N/A
Date Leached: 09/23/2009 1530

Analysis Batch: 360-49554
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-Soluble	80.0	80.5	101	85 - 115	
Chloride-Soluble	40.0	41.5	104	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49555

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 360-49375/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/25/2009 1749
Date Prepared: N/A
Date Leached: 09/23/2009 1530

Analysis Batch: 360-49555
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Sulfate-Soluble	ND		4.0	4.0
Chloride-Soluble	ND		2.0	2.0

Lab Control Sample - Batch: 360-49555

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 360-49375/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/25/2009 1805
Date Prepared: N/A
Date Leached: 09/23/2009 1530

Analysis Batch: 360-49555
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-Soluble	80.0	82.3	103	85 - 115	
Chloride-Soluble	40.0	41.4	103	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49555

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-24582-22	Analysis Batch:	360-49555	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	09/25/2009 2150			Final Weight/Volume:	10 mL
Date Prepared:	N/A				
Date Leached:	09/23/2009 1530				

MSD Lab Sample ID:	360-24582-22	Analysis Batch:	360-49555	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	09/25/2009 2205			Final Weight/Volume:	10 mL
Date Prepared:	N/A				
Date Leached:	09/23/2009 1530				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate-Soluble	104	105	75 - 125	0	20		
Chloride-Soluble	106	106	75 - 125	0	20		

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49555

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-24582-22	Units: mg/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/25/2009 2150		Date Analyzed:	09/25/2009 2205
Date Prepared:	N/A		Date Prepared:	N/A
Date Leached:	09/23/2009 1530		Date Leached:	09/23/2009 1530

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate-Soluble	ND	217	217	226	227
Chloride-Soluble	ND	108	108	115	115

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID:	MB 460-17585/1-A ^10	Analysis Batch:	460-17979	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-17585	Lab File ID:	9242205.CHW
Dilution:	10	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	09/24/2009 2205			Final Weight/Volume:	100 mL
Date Prepared:	09/22/2009 0940				

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	ND		1.4	2.0

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-17585/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 09/24/2009 2227
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9242227.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	20.7	97	85 - 115	

LCS-Standard Reference Material - Batch:

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSSRM 460-17585/3-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 09/24/2009 2257
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9242257.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	100	96.9	97	70.6 - 130	

Lab Control Sample Insoluble - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-17585/4-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 09/24/2009 2312
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9242312.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	727	103	80 - 120	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-24582-25
Client Matrix: Solid
Dilution: 40
Date Analyzed: 09/24/2009 2348
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9242348.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	7.3	46.7	49.3	90	75 - 125	

Matrix Spike Insoluble - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-24582-25
Client Matrix: Solid
Dilution: 500
Date Analyzed: 09/25/2009 0010
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9250010.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	7.3	773	763	98	75 - 125	

Duplicate - Batch: 460-17585

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-24582-25
Client Matrix: Solid
Dilution: 10
Date Analyzed: 09/24/2009 2334
Date Prepared: 09/22/2009 0940

Analysis Batch: 460-17979
Prep Batch: 460-17585
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 9242334.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	7.3	7.38	1	20	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 460-17510

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 460-17510/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1843
Date Prepared: N/A

Analysis Batch: 460-17510
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	NONE	NONE
pH	6.030			

Lab Control Sample - Batch: 460-17510

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 460-17510/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1844
Date Prepared: N/A

Analysis Batch: 460-17510
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	8.57	8.580	100	95 - 105	

Duplicate - Batch: 460-17510

Method: 9045C
Preparation: N/A

Lab Sample ID: 360-24582-25
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 1846
Date Prepared: N/A

Analysis Batch: 460-17510
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.38	6.320	1	10	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 460-17548

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 460-17548/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/21/2009 1615
Date Prepared: N/A

Analysis Batch: 460-17548
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	NONE	NONE
pH	6.220			

Lab Control Sample - Batch: 460-17548

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 460-17548/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/21/2009 1616
Date Prepared: N/A

Analysis Batch: 460-17548
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	8.57	8.540	100	95 - 105	

Duplicate - Batch: 460-17548

Method: 9045C
Preparation: N/A

Lab Sample ID: 360-24582-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/21/2009 1618
Date Prepared: N/A

Analysis Batch: 460-17548
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.77	7.780	0	10	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49242

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: MB 360-49242/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 0916
Date Prepared: 09/21/2009 1413

Analysis Batch: 360-49292
Prep Batch: 360-49242
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Ammonia	ND		0.10	0.10

Lab Control Sample - Batch: 360-49242

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: LCS 360-49242/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 0917
Date Prepared: 09/21/2009 1413

Analysis Batch: 360-49292
Prep Batch: 360-49242
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	10.0	9.34	93	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Method Blank - Batch: 360-49360

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: MB 360-49360/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1349
Date Prepared: 09/23/2009 1117

Analysis Batch: 360-49363
Prep Batch: 360-49360
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Ammonia	ND		0.10	0.10

Lab Control Sample - Batch: 360-49360

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: LCS 360-49360/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1350
Date Prepared: 09/23/2009 1117

Analysis Batch: 360-49363
Prep Batch: 360-49360
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	10.0	9.66	97	85 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-49360

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID: 360-24582-22
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1409
Date Prepared: 09/23/2009 1117

Analysis Batch: 360-49363
Prep Batch: 360-49360

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 0.76 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 360-24582-22
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1410
Date Prepared: 09/23/2009 1117

Analysis Batch: 360-49363
Prep Batch: 360-49360

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 0.77 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	98	110	75 - 125	10	20		

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-49360

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID:	360-24582-22	Units: mg/Kg	MSD Lab Sample ID:	360-24582-22
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/23/2009 1409		Date Analyzed:	09/23/2009 1410
Date Prepared:	09/23/2009 1117		Date Prepared:	09/23/2009 1117

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ammonia	41	721	712	745	821

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual

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

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Duplicate - Batch: 360-49023

Method: Moisture
Preparation: N/A

Lab Sample ID: 360-24582-16
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1339
Date Prepared: N/A

Analysis Batch: 360-49023
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	59	59	1	20	
Percent Solids	41	41	1	20	

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Control Sample - Batch: 460-17544

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	LCS 460-17544/1	Analysis Batch:	460-17544	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch: N/A		Lab File ID:	N/A
Dilution:	1.0	Units: millivolts		Initial Weight/Volume:	
Date Analyzed:	09/21/2009 1650			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	679	687	101	98 - 102	

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
HPLC		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	F	Duplicate RPD exceeds the control limit
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 360-49046					
LCS 360-49046/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-49046/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-49046/3-A	Method Blank	T	Solid	5035	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	5035	
360-24582-2	OC-TBK-018	T	Solid	5035	
Analysis Batch:360-49049					
LCS 360-49046/1-A	Lab Control Sample	T	Solid	8260B	360-49046
LCSD 360-49046/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-49046
MB 360-49046/3-A	Method Blank	T	Solid	8260B	360-49046
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	8260B	360-49046
360-24582-2	OC-TBK-018	T	Solid	8260B	360-49046
Prep Batch: 360-49099					
LCS 360-49099/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-49099/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-49099/3-A	Method Blank	T	Solid	5035	
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	5035	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	5035	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	5035	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	5035	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	5035	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	5035	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	5035	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	5035	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	5035	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	5035	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	5035	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	5035	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	5035	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	5035	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-49101					
LCS 360-49099/1-A	Lab Control Sample	T	Solid	8260B	360-49099
LCSD 360-49099/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-49099
MB 360-49099/3-A	Method Blank	T	Solid	8260B	360-49099
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	8260B	360-49099
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	8260B	360-49099
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	8260B	360-49099
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	8260B	360-49099
Analysis Batch:360-49119					
LCS 360-49119/3	Lab Control Sample	T	Water	8260B	
LCSD 360-49119/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-49119/6	Method Blank	T	Water	8260B	
360-24582-4FB	OC-EBK-010	T	Water	8260B	
Prep Batch: 360-49178					
LCS 360-49178/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-49178/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-49178/3-A	Method Blank	T	Solid	5035	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	5035	
360-24582-22MS	Matrix Spike	T	Solid	5035	
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	5035	
360-24582-23TB	OC-TBK-019	T	Solid	5035	
Analysis Batch:360-49180					
LCS 360-49178/1-A	Lab Control Sample	T	Solid	8260B	360-49178
LCSD 360-49178/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-49178
MB 360-49178/3-A	Method Blank	T	Solid	8260B	360-49178
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	8260B	360-49178
360-24582-22MS	Matrix Spike	T	Solid	8260B	360-49178
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	8260B	360-49178
360-24582-23TB	OC-TBK-019	T	Solid	8260B	360-49178

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48980					
LCS 360-48980/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-48980/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-48980/1-A	Method Blank	T	Water	3510C	
360-24582-4FB	OC-EBK-010	T	Water	3510C	
Prep Batch: 360-49246					
LCS 360-49246/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49246/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49246/1-A	Method Blank	T	Solid	3546	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	3546	
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	3546	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	3546	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	3546	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	3546	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	3546	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	3546	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	3546	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	3546	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	3546	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	3546	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	3546	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	3546	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	3546	
Prep Batch: 360-49302					
LCS 360-49302/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 360-49302/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 360-49302/1-A	Method Blank	T	Solid	3550B	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	3550B	
Prep Batch: 360-49345					
LCS 360-49345/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49345/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49345/1-A	Method Blank	T	Solid	3546	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	3546	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	3546	
360-24582-22MS	Matrix Spike	T	Solid	3546	
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:360-49511					
LCS 360-48980/2-A	Lab Control Sample	T	Water	8270C LL	360-48980
LCSD 360-48980/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	360-48980
MB 360-48980/1-A	Method Blank	T	Water	8270C LL	360-48980
360-24582-4FB	OC-EBK-010	T	Water	8270C LL	360-48980

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:360-49520					
LCS 360-49302/2-A	Lab Control Sample	T	Solid	8270C LL	360-49302
LCSD 360-49302/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49302
MB 360-49302/1-A	Method Blank	T	Solid	8270C LL	360-49302
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	8270C LL	360-49302
Analysis Batch:360-49645					
LCS 360-49246/2-A	Lab Control Sample	T	Solid	8270C LL	360-49246
LCSD 360-49246/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49246
MB 360-49246/1-A	Method Blank	T	Solid	8270C LL	360-49246
Analysis Batch:360-49648					
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	8270C LL	360-49246
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	8270C LL	360-49246
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	8270C LL	360-49246
Analysis Batch:360-49685					
LCS 360-49345/2-A	Lab Control Sample	T	Solid	8270C LL	360-49345
LCSD 360-49345/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49345
MB 360-49345/1-A	Method Blank	T	Solid	8270C LL	360-49345
Analysis Batch:360-49826					
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	8270C LL	360-49345
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	8270C LL	360-49345
360-24582-22MS	Matrix Spike	T	Solid	8270C LL	360-49345
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	8270C LL	360-49345

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC					
Prep Batch: 640-60840					
LCS 640-60840/2-A	Lab Control Sample	T	Water	8315_W_Prep	
LCSD 640-60840/3-A	Lab Control Sample Duplicate	T	Water	8315_W_Prep	
MB 640-60840/1-A	Method Blank	T	Water	8315_W_Prep	
360-24582-4FB	OC-EBK-010	T	Water	8315_W_Prep	
Prep Batch: 640-60871					
LCS 640-60871/2-A	Lab Control Sample	T	Water	LC65	
LCSD 640-60871/3-A	Lab Control Sample Duplicate	T	Water	LC65	
MB 640-60871/1-A	Method Blank	T	Water	LC65	
360-24582-4FB	OC-EBK-010	T	Water	LC65	
Analysis Batch:640-60957					
LCS 640-60840/2-A	Lab Control Sample	T	Water	8315A	640-60840
LCSD 640-60840/3-A	Lab Control Sample Duplicate	T	Water	8315A	640-60840
MB 640-60840/1-A	Method Blank	T	Water	8315A	640-60840
360-24582-4FB	OC-EBK-010	T	Water	8315A	640-60840
Prep Batch: 640-60976					
LCS 640-60976/2-A	Lab Control Sample	T	Solid	8315_S_Prep	
LCSD 640-60976/3-A	Lab Control Sample Duplicate	T	Solid	8315_S_Prep	
MB 640-60976/1-A	Method Blank	T	Solid	8315_S_Prep	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	8315_S_Prep	
Prep Batch: 640-60977					
LCS 640-60977/2-A	Lab Control Sample	T	Solid	LC65	
LCSD 640-60977/3-A	Lab Control Sample Duplicate	T	Solid	LC65	
MB 640-60977/1-A	Method Blank	T	Solid	LC65	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	LC65	
Analysis Batch:640-61147					
LCS 640-60871/2-A	Lab Control Sample	T	Water	LC65	640-60871
LCSD 640-60871/3-A	Lab Control Sample Duplicate	T	Water	LC65	640-60871
MB 640-60871/1-A	Method Blank	T	Water	LC65	640-60871
360-24582-4FB	OC-EBK-010	T	Water	LC65	640-60871
Analysis Batch:640-61236					
LCS 640-60977/2-A	Lab Control Sample	T	Solid	LC65	640-60977
LCSD 640-60977/3-A	Lab Control Sample Duplicate	T	Solid	LC65	640-60977
MB 640-60977/1-A	Method Blank	T	Solid	LC65	640-60977
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	LC65	640-60977

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC					
Analysis Batch:640-61261					
LCS 640-60976/2-A	Lab Control Sample	T	Solid	8315A	640-60976
LCSD 640-60976/3-A	Lab Control Sample Duplicate	T	Solid	8315A	640-60976
MB 640-60976/1-A	Method Blank	T	Solid	8315A	640-60976
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	8315A	640-60976

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-49010					
LCS 360-49010/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49010/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49010/1-A	Method Blank	T	Solid	3546	
360-24582-8	OC-SS-403-0.0/1.0-XXX	T	Solid	3546	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	3546	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	3546	
360-24582-15	OC-SS-410-0.0/1.0-XXX	T	Solid	3546	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	3546	
360-24582-18	OC-SS-413-0.0/1.0-XXX	T	Solid	3546	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	3546	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	3546	
360-24582-22MS	Matrix Spike	T	Solid	3546	
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:360-49013					
LCS 360-49010/2-A	Lab Control Sample	T	Solid	8082	360-49010
LCSD 360-49010/3-A	Lab Control Sample Duplicate	T	Solid	8082	360-49010
MB 360-49010/1-A	Method Blank	T	Solid	8082	360-49010
Analysis Batch:360-49051					
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-15	OC-SS-410-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-18	OC-SS-413-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	8082	360-49010
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-22MS	Matrix Spike	T	Solid	8082	360-49010
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	8082	360-49010
Analysis Batch:360-49100					
360-24582-8	OC-SS-403-0.0/1.0-XXX	T	Solid	8082	360-49010
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	8082	360-49010

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-48947					
LCS 360-48947/2-A	Lab Control Sample	T	Water	3010A	
LCSD 360-48947/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 360-48947/1-A	Method Blank	T	Water	3010A	
360-24582-4FB	OC-EBK-010	T	Water	3010A	
360-24582-4DU	Duplicate	T	Water	3010A	
360-24582-4MS	Matrix Spike	T	Water	3010A	
Analysis Batch:360-48971					
LCS 360-48947/2-A	Lab Control Sample	T	Water	6010B	360-48947
LCSD 360-48947/3-A	Lab Control Sample Duplicate	T	Water	6010B	360-48947
MB 360-48947/1-A	Method Blank	T	Water	6010B	360-48947
360-24582-4FB	OC-EBK-010	T	Water	6010B	360-48947
360-24582-4DU	Duplicate	T	Water	6010B	360-48947
360-24582-4MS	Matrix Spike	T	Water	6010B	360-48947
Prep Batch: 360-49066					
LCS 360-49066/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-49066/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-49066/1-A	Method Blank	T	Water	7470A	
360-24582-4FB	OC-EBK-010	T	Water	7470A	
360-24582-4DU	Duplicate	T	Water	7470A	
360-24582-4MS	Matrix Spike	T	Water	7470A	
Prep Batch: 360-49128					
LCS 360-49128/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49128/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49128/1-A	Method Blank	T	Solid	3050B	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	3050B	
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	3050B	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	3050B	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	3050B	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	3050B	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	3050B	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	3050B	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	3050B	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	3050B	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	3050B	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	3050B	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	3050B	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	3050B	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	3050B	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	3050B	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	3050B	
360-24582-22DU	Duplicate	T	Solid	3050B	
360-24582-22MS	Matrix Spike	T	Solid	3050B	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49130					
LCS 360-49130/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 360-49130/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 360-49130/1-A	Method Blank	T	Solid	7471A	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	7471A	
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	7471A	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	7471A	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	7471A	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	7471A	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	7471A	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	7471A	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	7471A	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	7471A	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	7471A	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	7471A	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	7471A	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	7471A	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	7471A	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	7471A	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	7471A	
360-24582-22DU	Duplicate	T	Solid	7471A	
360-24582-22MS	Matrix Spike	T	Solid	7471A	
Analysis Batch:360-49149					
LCS 360-49066/2-A	Lab Control Sample	T	Water	7470A	360-49066
LCSD 360-49066/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-49066
MB 360-49066/1-A	Method Blank	T	Water	7470A	360-49066
360-24582-4FB	OC-EBK-010	T	Water	7470A	360-49066
360-24582-4DU	Duplicate	T	Water	7470A	360-49066
360-24582-4MS	Matrix Spike	T	Water	7470A	360-49066

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-49177					
LCS 360-49130/2-A	Lab Control Sample	T	Solid	7471A	360-49130
LCSD 360-49130/3-A	Lab Control Sample Duplicate	T	Solid	7471A	360-49130
MB 360-49130/1-A	Method Blank	T	Solid	7471A	360-49130
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	7471A	360-49130
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	7471A	360-49130
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	7471A	360-49130
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	7471A	360-49130
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	7471A	360-49130
360-24582-22DU	Duplicate	T	Solid	7471A	360-49130
360-24582-22MS	Matrix Spike	T	Solid	7471A	360-49130
Analysis Batch:360-49209					
LCS 360-49128/2-A	Lab Control Sample	T	Solid	6010B	360-49128
LCSD 360-49128/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49128
MB 360-49128/1-A	Method Blank	T	Solid	6010B	360-49128
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	6010B	360-49128
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	6010B	360-49128
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	6010B	360-49128
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	6010B	360-49128
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	6010B	360-49128
360-24582-22DU	Duplicate	T	Solid	6010B	360-49128
360-24582-22MS	Matrix Spike	T	Solid	6010B	360-49128

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-17161					
360-24582-3	OC-SB-457-28/30-XXX	S	Solid	SM 2580B	
Analysis Batch:460-17274					
360-24582-24	OC-SS-416-0.0/1.0-DUP	T	Solid	Moisture	
360-24582-25MSMS	Matrix Spike	T	Solid	Moisture	
360-24582-25	OC-SS-416-0.0/1.0-XXX	T	Solid	Moisture	
Prep Batch: 460-17358					
360-24582-3	OC-SB-457-28/30-XXX	S	Solid	DI Leach	
Analysis Batch:460-17416					
360-24582-3	OC-SB-457-28/30-XXX	T	Solid	Moisture	
Analysis Batch:460-17510					
LCS 460-17510/2	Lab Control Sample	T	Solid	9045C	
MB 460-17510/1	Method Blank	T	Solid	9045C	
360-24582-24	OC-SS-416-0.0/1.0-DUP	T	Solid	9045C	
360-24582-25	OC-SS-416-0.0/1.0-XXX	T	Solid	9045C	
360-24582-25DU	Duplicate	T	Solid	9045C	
Prep Batch: 460-17537					
360-24582-24	OC-SS-416-0.0/1.0-DUP	S	Solid	DI Leach	
360-24582-25	OC-SS-416-0.0/1.0-XXX	S	Solid	DI Leach	
Analysis Batch:460-17544					
LCS 460-17544/1	Lab Control Sample	T	Solid	SM 2580B	
360-24582-24	OC-SS-416-0.0/1.0-DUP	S	Solid	SM 2580B	
360-24582-25	OC-SS-416-0.0/1.0-XXX	S	Solid	SM 2580B	
Analysis Batch:460-17548					
LCS 460-17548/2	Lab Control Sample	T	Solid	9045C	
MB 460-17548/1	Method Blank	T	Solid	9045C	
360-24582-3	OC-SB-457-28/30-XXX	T	Solid	9045C	
360-24582-3DU	Duplicate	T	Solid	9045C	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-17585					
LCS 460-17585/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-17585/4-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-17585/3-A ^100	LCS-Standard Reference Material	T	Solid	3060A	
MB 460-17585/1-A ^10	Method Blank	T	Solid	3060A	
360-24582-3	OC-SB-457-28/30-XXX	T	Solid	3060A	
360-24582-24	OC-SS-416-0.0/1.0-DUP	T	Solid	3060A	
360-24582-25	OC-SS-416-0.0/1.0-XXX	T	Solid	3060A	
360-24582-25DU	Duplicate	T	Solid	3060A	
360-24582-25MS	Matrix Spike	T	Solid	3060A	
360-24582-25	Matrix Spike Insoluble	T	Solid	3060A	
Analysis Batch:460-17979					
LCS 460-17585/2-A ^25	Lab Control Sample	T	Solid	7199	460-17585
LCSI 460-17585/4-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-17585
LCSSRM 460-17585/3-A ^100	LCS-Standard Reference Material	T	Solid	7199	460-17585
MB 460-17585/1-A ^10	Method Blank	T	Solid	7199	460-17585
360-24582-3	OC-SB-457-28/30-XXX	T	Solid	7199	460-17585
360-24582-24	OC-SS-416-0.0/1.0-DUP	T	Solid	7199	460-17585
360-24582-25	OC-SS-416-0.0/1.0-XXX	T	Solid	7199	460-17585
360-24582-25DU	Duplicate	T	Solid	7199	460-17585
360-24582-25MS	Matrix Spike	T	Solid	7199	460-17585
360-24582-25	Matrix Spike Insoluble	T	Solid	7199	460-17585
Analysis Batch:360-48991					
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	Moisture	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-49023					
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	Moisture	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-8	OC-SS-403-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	Moisture	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-15	OC-SS-410-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-16DU	Duplicate	T	Solid	Moisture	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-18	OC-SS-413-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	Moisture	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	Moisture	
360-24582-22MS	Matrix Spike	T	Solid	Moisture	
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Prep Batch: 360-49242					
LCS 360-49242/2-A	Lab Control Sample	T	Water	Distill/Ammonia	
MB 360-49242/1-A	Method Blank	T	Water	Distill/Ammonia	
360-24582-4FB	OC-EBK-010	T	Water	Distill/Ammonia	
Analysis Batch:360-49292					
LCS 360-49242/2-A	Lab Control Sample	T	Water	L107-06-1B	360-49242
MB 360-49242/1-A	Method Blank	T	Water	L107-06-1B	360-49242
360-24582-4FB	OC-EBK-010	T	Water	L107-06-1B	360-49242
Analysis Batch:360-49301					
LCS 360-49301/4	Lab Control Sample	T	Water	300.0	
MB 360-49301/3	Method Blank	T	Water	300.0	
360-24582-4FB	OC-EBK-010	T	Water	300.0	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-49360					
LCS 360-49360/2-A	Lab Control Sample	T	Solid	Distill/Ammonia	
MB 360-49360/1-A	Method Blank	T	Solid	Distill/Ammonia	
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	Distill/Ammonia	
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	Distill/Ammonia	
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	Distill/Ammonia	
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24582-22MS	Matrix Spike	T	Solid	Distill/Ammonia	
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	Distill/Ammonia	
Analysis Batch:360-49363					
LCS 360-49360/2-A	Lab Control Sample	T	Solid	L107-06-1B	360-49360
MB 360-49360/1-A	Method Blank	T	Solid	L107-06-1B	360-49360
360-24582-1	OC-SB-457-28/30-XXX	T	Solid	L107-06-1B	360-49360
360-24582-5	OC-SS-400-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-6	OC-SS-401-0.1/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-7	OC-SS-402-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-9	OC-SS-404-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-10	OC-SS-405-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-11	OC-SS-406-0.0/1.0.-XXX	T	Solid	L107-06-1B	360-49360
360-24582-12	OC-SS-407-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-13	OC-SS-408-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-14	OC-SS-409-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-16	OC-SS-411-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-17	OC-SS-412-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-19	OC-SS-414-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-20	OC-SS-415-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-21	OC-SS-416-0.0/1.0-DUP	T	Solid	L107-06-1B	360-49360
360-24582-22	OC-SS-416-0.0/1.0-XXX	T	Solid	L107-06-1B	360-49360
360-24582-22MS	Matrix Spike	T	Solid	L107-06-1B	360-49360
360-24582-22MSD	Matrix Spike Duplicate	T	Solid	L107-06-1B	360-49360

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-49375					
LCS 360-49375/2-A	Lab Control Sample	S	Solid	DI Leach	
MB 360-49375/1-A	Method Blank	S	Solid	DI Leach	
360-24582-1	OC-SB-457-28/30-XXX	S	Solid	DI Leach	
360-24582-5	OC-SS-400-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-6	OC-SS-401-0.1/1.0-XXX	S	Solid	DI Leach	
360-24582-7	OC-SS-402-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-9	OC-SS-404-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-10	OC-SS-405-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	S	Solid	DI Leach	
360-24582-12	OC-SS-407-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-13	OC-SS-408-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-14	OC-SS-409-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-16	OC-SS-411-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-17	OC-SS-412-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-19	OC-SS-414-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-20	OC-SS-415-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-21	OC-SS-416-0.0/1.0-DUP	S	Solid	DI Leach	
360-24582-22	OC-SS-416-0.0/1.0-XXX	S	Solid	DI Leach	
360-24582-22MS	Matrix Spike	S	Solid	DI Leach	
360-24582-22MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
Analysis Batch:360-49554					
LCS 360-49375/2-A	Lab Control Sample	S	Solid	300.0	
MB 360-49375/1-A	Method Blank	S	Solid	300.0	
360-24582-1	OC-SB-457-28/30-XXX	S	Solid	300.0	
360-24582-5	OC-SS-400-0.0/1.0-XXX	S	Solid	300.0	
360-24582-6	OC-SS-401-0.1/1.0-XXX	S	Solid	300.0	
360-24582-7	OC-SS-402-0.0/1.0-XXX	S	Solid	300.0	
360-24582-9	OC-SS-404-0.0/1.0-XXX	S	Solid	300.0	
360-24582-10	OC-SS-405-0.0/1.0-XXX	S	Solid	300.0	

Client: Olin Corporation

Job Number: 360-24582-1
Sdg Number: OCRI-15

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-49555					
LCS 360-49375/2-A	Lab Control Sample	S	Solid	300.0	
MB 360-49375/1-A	Method Blank	S	Solid	300.0	
360-24582-11	OC-SS-406-0.0/1.0.-XXX	S	Solid	300.0	
360-24582-12	OC-SS-407-0.0/1.0-XXX	S	Solid	300.0	
360-24582-13	OC-SS-408-0.0/1.0-XXX	S	Solid	300.0	
360-24582-14	OC-SS-409-0.0/1.0-XXX	S	Solid	300.0	
360-24582-16	OC-SS-411-0.0/1.0-XXX	S	Solid	300.0	
360-24582-17	OC-SS-412-0.0/1.0-XXX	S	Solid	300.0	
360-24582-19	OC-SS-414-0.0/1.0-XXX	S	Solid	300.0	
360-24582-20	OC-SS-415-0.0/1.0-XXX	S	Solid	300.0	
360-24582-21	OC-SS-416-0.0/1.0-DUP	S	Solid	300.0	
360-24582-22	OC-SS-416-0.0/1.0-XXX	S	Solid	300.0	
360-24582-22MS	Matrix Spike	S	Solid	300.0	
360-24582-22MSD	Matrix Spike Duplicate	S	Solid	300.0	

Report Basis
S = Soluble
T = Total

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: 360-24582-1 **Client ID:** OC-SB-457-28/30-XXX

Sample Date/Time: 09/14/2009 11:30 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-1-A		360-49049	360-49046	09/16/2009 15:32	1	TAL WFD	CMR
A:8260B	360-24582-C-1-A		360-49049	360-49046	09/16/2009 20:34	1	TAL WFD	CMR
P:3550B	360-24582-A-1-D		360-49520	360-49302	09/22/2009 11:55	1	TAL WFD	BRB
A:8270C LL	360-24582-A-1-D		360-49520	360-49302	09/26/2009 18:29	1	TAL WFD	KR
P:3546	360-24582-A-1-C		360-49648	360-49246	09/21/2009 15:30	1	TAL WFD	BRB
A:8270C LL	360-24582-A-1-C		360-49648	360-49246	09/29/2009 01:37	1	TAL WFD	PJS
P:8315_S_Prep	360-24582-H-1-A		640-61261	640-60976	09/21/2009 07:59	1	TAL TAL	DNS
A:8315A	360-24582-H-1-A		640-61261	640-60976	09/23/2009 09:25	1	TAL TAL	RD
P:LC65	360-24582-H-1-B		640-61236	640-60977	09/21/2009 08:05	1	TAL TAL	DNS
A:LC65	360-24582-H-1-B		640-61236	640-60977	09/24/2009 15:48	1	TAL TAL	RD
P:3050B	360-24582-A-1-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-1-A		360-49209	360-49128	09/18/2009 12:35	1	TAL WFD	EMN
P:7471A	360-24582-A-1-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-1-B		360-49177	360-49130	09/18/2009 12:33	1	TAL WFD	EMN
A:300.0	360-24582-A-1-F		360-49554		09/25/2009 15:49	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-1-E		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-1-E		360-49363	360-49360	09/23/2009 13:51	1	TAL WFD	ALL
A:Moisture	360-24582-A-1		360-48991		09/15/2009 16:23	1	TAL WFD	TFB

Lab ID: 360-24582-2 **Client ID:** OC-TBK-018

Sample Date/Time: 09/14/2009 14:15 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-B-2-A		360-49049	360-49046	09/16/2009 15:32	1	TAL WFD	CMR
A:8260B	360-24582-B-2-A		360-49049	360-49046	09/16/2009 20:58	1	TAL WFD	CMR

Lab ID: 360-24582-3 **Client ID:** OC-SB-457-28/30-XXX

Sample Date/Time: 09/14/2009 11:30 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-24582-A-3-B ^10		460-17979	460-17585	09/22/2009 09:40	10	TAL EDI	JC
A:7199	360-24582-A-3-B ^10		460-17979	460-17585	09/25/2009 00:32	10	TAL EDI	LE
A:9045C	360-24582-A-3		460-17548		09/21/2009 16:17	1	TAL EDI	MB
A:Moisture	360-24582-A-3		460-17416		09/19/2009 18:59	1	TAL EDI	sa
A:SM 2580B	360-24582-A-3-A		460-17161		09/16/2009 18:13	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-3 DU** **Client ID:** **OC-SB-457-28/30-XXX**

Sample Date/Time: 09/14/2009 11:30 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9045C	360-24582-A-3 DU		460-17548		09/21/2009 16:18	1	TAL EDI	MB

Lab ID: **360-24582-4** **Client ID:** **OC-EBK-010**

Sample Date/Time: 09/14/2009 13:00 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-24582-A-4		360-49119		09/17/2009 20:38	1	TAL WFD	CT
A:8260B	360-24582-A-4		360-49119		09/17/2009 20:38	1	TAL WFD	CT
P:3510C	360-24582-D-4-A		360-49511	360-48980	09/15/2009 14:56	1	TAL WFD	BRB
A:8270C LL	360-24582-D-4-A		360-49511	360-48980	09/26/2009 01:14	1	TAL WFD	PJS
P:8315_W_Prep	360-24582-J-4-A		640-60957	640-60840	09/17/2009 11:34	1	TAL TAL	DNS
A:8315A	360-24582-J-4-A		640-60957	640-60840	09/18/2009 15:17	1	TAL TAL	RD
P:LC65	360-24582-M-4-A		640-61147	640-60871	09/17/2009 11:15	1	TAL TAL	DNS
A:LC65	360-24582-M-4-A		640-61147	640-60871	09/21/2009 02:03	1	TAL TAL	RD
P:3010A	360-24582-F-4-A		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	360-24582-F-4-A		360-48971	360-48947	09/15/2009 12:31	1	TAL WFD	TJS
P:7470A	360-24582-F-4-D		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	360-24582-F-4-D		360-49149	360-49066	09/18/2009 09:40	1	TAL WFD	EMN
A:300.0	360-24582-G-4		360-49301		09/21/2009 21:51	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-H-4-A		360-49292	360-49242	09/21/2009 14:13	1	TAL WFD	ALL
A:L107-06-1B	360-24582-H-4-A		360-49292	360-49242	09/22/2009 09:20	1	TAL WFD	ALL

Lab ID: **360-24582-4 MS** **Client ID:** **OC-EBK-010**

Sample Date/Time: 09/14/2009 13:00 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	360-24582-F-4-C MS		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	360-24582-F-4-C MS		360-48971	360-48947	09/15/2009 12:37	1	TAL WFD	TJS
P:7470A	360-24582-F-4-F MS		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	360-24582-F-4-F MS		360-49149	360-49066	09/18/2009 09:44	1	TAL WFD	EMN

Lab ID: **360-24582-4 DU** **Client ID:** **OC-EBK-010**

Sample Date/Time: 09/14/2009 13:00 Received Date/Time: 09/14/2009 17:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	360-24582-F-4-B DU		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	360-24582-F-4-B DU		360-48971	360-48947	09/15/2009 12:34	1	TAL WFD	TJS
P:7470A	360-24582-F-4-E DU		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	360-24582-F-4-E DU		360-49149	360-49066	09/18/2009 09:42	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-5** **Client ID:** **OC-SS-400-0.0/1.0-XXX**

Sample Date/Time: 09/14/2009 14:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-5-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-5-A		360-49101	360-49099	09/17/2009 15:26	1	TAL WFD	CMR
P:3546	360-24582-A-5-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-5-C		360-49648	360-49246	09/29/2009 02:10	10	TAL WFD	PJS
P:3050B	360-24582-A-5-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-5-A		360-49209	360-49128	09/18/2009 12:38	1	TAL WFD	EMN
P:7471A	360-24582-A-5-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-5-B		360-49177	360-49130	09/18/2009 12:35	1	TAL WFD	EMN
A:300.0	360-24582-A-5-E		360-49554		09/25/2009 16:04	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-5-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-5-D		360-49363	360-49360	09/23/2009 13:52	1	TAL WFD	ALL
A:Moisture	360-24582-A-5		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-6** **Client ID:** **OC-SS-401-0.1/1.0-XXX**

Sample Date/Time: 09/14/2009 15:05 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-D-6-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-D-6-A		360-49101	360-49099	09/17/2009 16:09	1	TAL WFD	CMR
P:3546	360-24582-A-6-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-6-C		360-49648	360-49246	09/29/2009 02:43	10	TAL WFD	PJS
P:3050B	360-24582-A-6-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-6-A		360-49209	360-49128	09/18/2009 12:47	1	TAL WFD	EMN
P:7471A	360-24582-A-6-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-6-B		360-49177	360-49130	09/18/2009 12:36	1	TAL WFD	EMN
A:300.0	360-24582-A-6-E		360-49554		09/25/2009 16:20	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-6-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-6-D		360-49363	360-49360	09/23/2009 13:53	1	TAL WFD	ALL
A:Moisture	360-24582-A-6		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: 360-24582-7 **Client ID:** OC-SS-402-0.0/1.0-XXX

Sample Date/Time: 09/14/2009 15:30 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-7-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-7-A		360-49101	360-49099	09/17/2009 16:33	1	TAL WFD	CMR
P:3546	360-24582-A-7-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-7-C		360-49648	360-49246	09/29/2009 03:16	10	TAL WFD	PJS
P:3050B	360-24582-A-7-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-7-A		360-49209	360-49128	09/18/2009 12:50	1	TAL WFD	EMN
P:7471A	360-24582-A-7-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-7-B		360-49177	360-49130	09/18/2009 12:57	1	TAL WFD	EMN
A:300.0	360-24582-A-7-E		360-49554		09/25/2009 16:35	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-7-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-7-D		360-49363	360-49360	09/23/2009 13:54	1	TAL WFD	ALL
A:Moisture	360-24582-A-7		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: 360-24582-8 **Client ID:** OC-SS-403-0.0/1.0-XXX

Sample Date/Time: 09/14/2009 15:50 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24582-A-8-A		360-49100	360-49010	09/16/2009 11:57	10	TAL WFD	MZ
A:8082	360-24582-A-8-A		360-49100	360-49010	09/17/2009 13:41	10	TAL WFD	MZ
A:Moisture	360-24582-A-8		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: 360-24582-9 **Client ID:** OC-SS-404-0.0/1.0-XXX

Sample Date/Time: 09/14/2009 16:10 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-9-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-9-A		360-49101	360-49099	09/17/2009 16:57	1	TAL WFD	CMR
P:3546	360-24582-A-9-D		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-9-D		360-49648	360-49246	09/29/2009 03:49	10	TAL WFD	PJS
P:3546	360-24582-A-9-A		360-49100	360-49010	09/16/2009 11:57	5	TAL WFD	MZ
A:8082	360-24582-A-9-A		360-49100	360-49010	09/17/2009 14:03	5	TAL WFD	MZ
P:3050B	360-24582-A-9-B		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-9-B		360-49209	360-49128	09/18/2009 12:52	1	TAL WFD	EMN
P:7471A	360-24582-A-9-C		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-9-C		360-49177	360-49130	09/18/2009 12:58	1	TAL WFD	EMN
A:300.0	360-24582-A-9-F		360-49554		09/25/2009 16:50	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-9-E		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-9-E		360-49363	360-49360	09/23/2009 13:55	1	TAL WFD	ALL
A:Moisture	360-24582-A-9		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-10** **Client ID:** **OC-SS-405-0.0/1.0-XXX**

Sample Date/Time: 09/14/2009 16:30 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-10-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-10-A		360-49101	360-49099	09/17/2009 17:20	1	TAL WFD	CMR
P:3546	360-24582-A-10-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-10-C		360-49648	360-49246	09/29/2009 04:22	10	TAL WFD	PJS
P:3050B	360-24582-A-10-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-10-A		360-49209	360-49128	09/18/2009 12:55	1	TAL WFD	EMN
P:7471A	360-24582-A-10-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-10-B		360-49177	360-49130	09/18/2009 13:00	1	TAL WFD	EMN
A:300.0	360-24582-A-10-E		360-49554		09/25/2009 17:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-10-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-10-D		360-49363	360-49360	09/23/2009 13:56	1	TAL WFD	ALL
A:Moisture	360-24582-A-10		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-11** **Client ID:** **OC-SS-406-0.0/1.0.-XXX**

Sample Date/Time: 09/15/2009 08:35 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-11-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-11-A		360-49101	360-49099	09/17/2009 17:44	1	TAL WFD	CMR
P:3546	360-24582-A-11-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-11-C		360-49648	360-49246	09/29/2009 04:55	10	TAL WFD	PJS
P:3050B	360-24582-A-11-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-11-A		360-49209	360-49128	09/18/2009 12:58	1	TAL WFD	EMN
P:7471A	360-24582-A-11-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-11-B		360-49177	360-49130	09/18/2009 13:02	1	TAL WFD	EMN
A:300.0	360-24582-A-11-E		360-49555		09/25/2009 18:20	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-11-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-11-D		360-49363	360-49360	09/23/2009 13:57	1	TAL WFD	ALL
A:Moisture	360-24582-A-11		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-12** **Client ID:** **OC-SS-407-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 09:05 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-12-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-12-A		360-49101	360-49099	09/17/2009 18:07	1	TAL WFD	CMR
P:3546	360-24582-A-12-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-12-C		360-49648	360-49246	09/29/2009 05:28	10	TAL WFD	PJS
P:3050B	360-24582-A-12-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-12-A		360-49209	360-49128	09/18/2009 13:01	1	TAL WFD	EMN
P:7471A	360-24582-A-12-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-12-B		360-49177	360-49130	09/18/2009 13:04	1	TAL WFD	EMN
A:300.0	360-24582-A-12-E		360-49555		09/25/2009 18:35	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-12-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-12-D		360-49363	360-49360	09/23/2009 13:58	1	TAL WFD	ALL
A:Moisture	360-24582-A-12		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-13** **Client ID:** **OC-SS-408-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 09:30 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-13-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-13-A		360-49101	360-49099	09/17/2009 18:30	1	TAL WFD	CMR
P:3546	360-24582-A-13-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-13-C		360-49648	360-49246	09/29/2009 06:00	10	TAL WFD	PJS
P:3050B	360-24582-A-13-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-13-A		360-49209	360-49128	09/18/2009 13:04	1	TAL WFD	EMN
P:7471A	360-24582-A-13-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-13-B		360-49177	360-49130	09/18/2009 13:06	1	TAL WFD	EMN
A:300.0	360-24582-A-13-E		360-49555		09/25/2009 18:51	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-13-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-13-D		360-49363	360-49360	09/23/2009 14:01	1	TAL WFD	ALL
A:Moisture	360-24582-A-13		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: 360-24582-14 **Client ID:** OC-SS-409-0.0/1.0-XXX

Sample Date/Time: 09/15/2009 10:00 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-14-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-14-A		360-49101	360-49099	09/17/2009 18:56	1	TAL WFD	CMR
P:3546	360-24582-A-14-D		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-14-D		360-49648	360-49246	09/29/2009 06:33	10	TAL WFD	PJS
P:3546	360-24582-A-14-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-14-A		360-49051	360-49010	09/16/2009 18:36	1	TAL WFD	MZ
P:3050B	360-24582-A-14-B		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-14-B		360-49209	360-49128	09/18/2009 13:07	1	TAL WFD	EMN
P:7471A	360-24582-A-14-C		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-14-C		360-49177	360-49130	09/18/2009 13:08	1	TAL WFD	EMN
A:300.0	360-24582-A-14-F		360-49555		09/25/2009 19:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-14-E		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-14-E		360-49363	360-49360	09/23/2009 14:02	1	TAL WFD	ALL
A:Moisture	360-24582-A-14		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: 360-24582-15 **Client ID:** OC-SS-410-0.0/1.0-XXX

Sample Date/Time: 09/15/2009 10:15 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24582-A-15-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-15-A		360-49051	360-49010	09/16/2009 18:57	1	TAL WFD	MZ
A:Moisture	360-24582-A-15		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: 360-24582-16 **Client ID:** OC-SS-411-0.0/1.0-XXX

Sample Date/Time: 09/15/2009 10:55 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-16-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-16-A		360-49101	360-49099	09/17/2009 19:20	1	TAL WFD	CMR
P:3546	360-24582-A-16-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-16-C		360-49648	360-49246	09/29/2009 07:06	10	TAL WFD	PJS
P:3050B	360-24582-A-16-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-16-A		360-49209	360-49128	09/18/2009 13:10	1	TAL WFD	EMN
P:7471A	360-24582-A-16-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-16-B		360-49177	360-49130	09/18/2009 13:09	1	TAL WFD	EMN
A:300.0	360-24582-A-16-E		360-49555		09/25/2009 19:19	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-16-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-16-D		360-49363	360-49360	09/23/2009 14:03	1	TAL WFD	ALL
A:Moisture	360-24582-A-16		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-16 DU** **Client ID:** **OC-SS-411-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 10:55 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	360-24582-A-16 DU		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-17** **Client ID:** **OC-SS-412-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 11:20 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-17-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-17-A		360-49101	360-49099	09/17/2009 19:45	1	TAL WFD	CMR
P:3546	360-24582-A-17-D		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-17-D		360-49648	360-49246	09/29/2009 07:39	10	TAL WFD	PJS
P:3546	360-24582-A-17-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-17-A		360-49051	360-49010	09/16/2009 19:19	1	TAL WFD	MZ
P:3050B	360-24582-A-17-B		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-17-B		360-49209	360-49128	09/18/2009 13:13	1	TAL WFD	EMN
P:7471A	360-24582-A-17-C		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-17-C		360-49177	360-49130	09/18/2009 13:11	1	TAL WFD	EMN
A:300.0	360-24582-A-17-F		360-49555		09/25/2009 19:34	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-17-E		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-17-E		360-49363	360-49360	09/23/2009 14:04	1	TAL WFD	ALL
A:Moisture	360-24582-A-17		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-18** **Client ID:** **OC-SS-413-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 11:30 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24582-A-18-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-18-A		360-49051	360-49010	09/16/2009 19:41	1	TAL WFD	MZ
A:Moisture	360-24582-A-18		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-19** **Client ID:** **OC-SS-414-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 11:55 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-19-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-19-A		360-49101	360-49099	09/17/2009 20:09	1	TAL WFD	CMR
P:3546	360-24582-A-19-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-19-C		360-49648	360-49246	09/29/2009 08:11	10	TAL WFD	PJS
P:3050B	360-24582-A-19-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-19-A		360-49209	360-49128	09/18/2009 13:21	1	TAL WFD	EMN
P:7471A	360-24582-A-19-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-19-B		360-49177	360-49130	09/18/2009 13:14	1	TAL WFD	EMN
A:300.0	360-24582-A-19-E		360-49555		09/25/2009 19:49	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-19-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-19-D		360-49363	360-49360	09/23/2009 14:05	1	TAL WFD	ALL
A:Moisture	360-24582-A-19		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-20** **Client ID:** **OC-SS-415-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:15 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-20-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-20-A		360-49101	360-49099	09/17/2009 20:33	1	TAL WFD	CMR
P:3546	360-24582-A-20-C		360-49648	360-49246	09/21/2009 15:30	10	TAL WFD	BRB
A:8270C LL	360-24582-A-20-C		360-49648	360-49246	09/29/2009 08:44	10	TAL WFD	PJS
P:3050B	360-24582-A-20-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-20-A		360-49209	360-49128	09/18/2009 13:24	1	TAL WFD	EMN
P:7471A	360-24582-A-20-B		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-20-B		360-49177	360-49130	09/18/2009 13:20	1	TAL WFD	EMN
A:300.0	360-24582-A-20-E		360-49555		09/25/2009 20:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-A-20-D		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-A-20-D		360-49363	360-49360	09/23/2009 14:06	1	TAL WFD	ALL
A:Moisture	360-24582-A-20		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-21** **Client ID:** **OC-SS-416-0.0/1.0-DUP**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-21-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	360-24582-C-21-A		360-49101	360-49099	09/17/2009 20:57	1	TAL WFD	CMR
P:3546	360-24582-A-21-D		360-49826	360-49345	09/23/2009 11:39	10	TAL WFD	BRB
A:8270C LL	360-24582-A-21-D		360-49826	360-49345	10/03/2009 22:23	10	TAL WFD	PJS
P:3546	360-24582-A-21-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-21-A		360-49051	360-49010	09/16/2009 20:02	1	TAL WFD	MZ
P:3050B	360-24582-A-21-B		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-21-B		360-49209	360-49128	09/18/2009 13:27	1	TAL WFD	EMN
P:7471A	360-24582-A-21-C		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-21-C		360-49177	360-49130	09/18/2009 13:22	1	TAL WFD	EMN
A:300.0	360-24582-E-21-B		360-49555		09/25/2009 20:20	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-E-21-A		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-E-21-A		360-49363	360-49360	09/23/2009 14:07	1	TAL WFD	ALL
A:Moisture	360-24582-A-21		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-22** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-22-A		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	360-24582-C-22-A		360-49180	360-49178	09/18/2009 19:11	1	TAL WFD	CMR
P:3546	360-24582-A-22-J		360-49826	360-49345	09/23/2009 11:39	10	TAL WFD	BRB
A:8270C LL	360-24582-A-22-J		360-49826	360-49345	10/03/2009 22:51	10	TAL WFD	PJS
P:3546	360-24582-A-22-A		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-22-A		360-49051	360-49010	09/16/2009 20:24	1	TAL WFD	MZ
P:3050B	360-24582-A-22-D		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-22-D		360-49209	360-49128	09/18/2009 12:21	1	TAL WFD	EMN
P:7471A	360-24582-A-22-G		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-22-G		360-49177	360-49130	09/18/2009 12:27	1	TAL WFD	EMN
A:300.0	360-24582-E-22-D		360-49555		09/25/2009 21:35	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-E-22-A		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-E-22-A		360-49363	360-49360	09/23/2009 14:08	1	TAL WFD	ALL
A:Moisture	360-24582-A-22		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-22** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-C-22-B MS		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	360-24582-C-22-B MS		360-49180	360-49178	09/18/2009 17:11	1	TAL WFD	CMR
P:3546	360-24582-A-22-K MS		360-49826	360-49345	09/23/2009 11:39	10	TAL WFD	BRB
A:8270C LL	360-24582-A-22-K MS		360-49826	360-49345	10/03/2009 23:19	10	TAL WFD	PJS
P:3546	360-24582-A-22-B MS		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-22-B MS		360-49051	360-49010	09/16/2009 20:45	1	TAL WFD	MZ
P:3050B	360-24582-A-22-F MS		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-22-F MS		360-49209	360-49128	09/18/2009 12:26	1	TAL WFD	EMN
P:7471A	360-24582-A-22-I MS		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-22-I MS		360-49177	360-49130	09/18/2009 12:31	1	TAL WFD	EMN
A:300.0	360-24582-E-22-E MS		360-49555		09/25/2009 21:50	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-E-22-B MS		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-E-22-B MS		360-49363	360-49360	09/23/2009 14:09	1	TAL WFD	ALL
A:Moisture	360-24582-A-22 MS		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Lab ID: **360-24582-22** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-D-22-A MSD		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	360-24582-D-22-A MSD		360-49180	360-49178	09/18/2009 17:35	1	TAL WFD	CMR
P:3546	360-24582-A-22-L MSD		360-49826	360-49345	09/23/2009 11:39	10	TAL WFD	BRB
A:8270C LL	360-24582-A-22-L MSD		360-49826	360-49345	10/03/2009 23:47	10	TAL WFD	PJS
P:3546	360-24582-A-22-C MSD		360-49051	360-49010	09/16/2009 11:57	1	TAL WFD	MZ
A:8082	360-24582-A-22-C MSD		360-49051	360-49010	09/16/2009 21:07	1	TAL WFD	MZ
A:300.0	360-24582-E-22-F MSD		360-49555		09/25/2009 22:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24582-E-22-C MSD		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	360-24582-E-22-C MSD		360-49363	360-49360	09/23/2009 14:10	1	TAL WFD	ALL
A:Moisture	360-24582-A-22 MSD		360-49023		09/16/2009 13:39	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-22 DU** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24582-A-22-E DU		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24582-A-22-E DU		360-49209	360-49128	09/18/2009 12:24	1	TAL WFD	EMN
P:7471A	360-24582-A-22-H DU		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	360-24582-A-22-H DU		360-49177	360-49130	09/18/2009 12:29	1	TAL WFD	EMN

Lab ID: **360-24582-23** **Client ID:** **OC-TBK-019**

Sample Date/Time: 09/15/2009 12:00 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24582-B-23-B		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	360-24582-B-23-B		360-49180	360-49178	09/18/2009 19:35	1	TAL WFD	CMR

Lab ID: **360-24582-24** **Client ID:** **OC-SS-416-0.0/1.0-DUP**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-24582-A-24-B ^10		460-17979	460-17585	09/22/2009 09:40	10	TAL EDI	JC
A:7199	360-24582-A-24-B ^10		460-17979	460-17585	09/25/2009 00:47	10	TAL EDI	LE
A:9045C	360-24582-A-24		460-17510		09/18/2009 18:47	1	TAL EDI	MB
A:Moisture	360-24582-A-24		460-17274		09/17/2009 23:28	1	TAL EDI	sa
A:SM 2580B	360-24582-A-24-A		460-17544		09/21/2009 17:23	1	TAL EDI	MB

Lab ID: **360-24582-25** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-24582-A-25-B ^10		460-17979	460-17585	09/22/2009 09:40	10	TAL EDI	JC
A:7199	360-24582-A-25-B ^10		460-17979	460-17585	09/24/2009 23:19	10	TAL EDI	LE
A:9045C	360-24582-A-25		460-17510		09/18/2009 18:45	1	TAL EDI	MB
A:Moisture	360-24582-A-25		460-17274		09/17/2009 23:28	1	TAL EDI	sa
A:SM 2580B	360-24582-A-25-A		460-17544		09/21/2009 17:25	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **360-24582-25** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-24582-A-25-D MS ^40		460-17979	460-17585	09/22/2009 09:40	40	TAL EDI	JC
A:7199	360-24582-A-25-D MS ^40		460-17979	460-17585	09/24/2009 23:48	40	TAL EDI	LE
A:Moisture	360-24582-A-25 MS		460-17274		09/17/2009 23:28	1	TAL EDI	sa

Lab ID: **360-24582-25 DU** **Client ID:** **OC-SS-416-0.0/1.0-XXX**

Sample Date/Time: 09/15/2009 12:40 Received Date/Time: 09/15/2009 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-24582-A-25-C DU ^10		460-17979	460-17585	09/22/2009 09:40	10	TAL EDI	JC
A:7199	360-24582-A-25-C DU ^10		460-17979	460-17585	09/24/2009 23:34	10	TAL EDI	LE
A:9045C	360-24582-A-25 DU		460-17510		09/18/2009 18:46	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

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:5035	MB 360-49046/3-A		360-49049	360-49046	09/16/2009 15:32	1	TAL WFD	CMR
A:8260B	MB 360-49046/3-A		360-49049	360-49046	09/16/2009 18:58	1	TAL WFD	CMR
P:5035	MB 360-49099/3-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	MB 360-49099/3-A		360-49101	360-49099	09/17/2009 15:02	1	TAL WFD	CMR
P:5030B	MB 360-49119/6		360-49119		09/17/2009 17:49	1	TAL WFD	CT
A:8260B	MB 360-49119/6		360-49119		09/17/2009 17:49	1	TAL WFD	CT
P:5035	MB 360-49178/3-A		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	MB 360-49178/3-A		360-49180	360-49178	09/18/2009 18:22	1	TAL WFD	CMR
P:3510C	MB 360-48980/1-A		360-49511	360-48980	09/15/2009 14:56	1	TAL WFD	BRB
A:8270C LL	MB 360-48980/1-A		360-49511	360-48980	09/25/2009 22:56	1	TAL WFD	PJS
P:3550B	MB 360-49302/1-A		360-49520	360-49302	09/22/2009 11:55	1	TAL WFD	BRB
A:8270C LL	MB 360-49302/1-A		360-49520	360-49302	09/26/2009 13:36	1	TAL WFD	KR
P:3546	MB 360-49246/1-A		360-49645	360-49246	09/21/2009 15:30	1	TAL WFD	BRB
A:8270C LL	MB 360-49246/1-A		360-49645	360-49246	09/28/2009 19:32	1	TAL WFD	PJS
P:3546	MB 360-49345/1-A		360-49685	360-49345	09/23/2009 11:39	1	TAL WFD	BRB
A:8270C LL	MB 360-49345/1-A		360-49685	360-49345	09/29/2009 21:47	1	TAL WFD	PJS
P:3546	MB 360-49010/1-A		360-49013	360-49010	09/16/2009 09:18	1	TAL WFD	MZ
A:8082	MB 360-49010/1-A		360-49013	360-49010	09/16/2009 10:52	1	TAL WFD	MZ
P:8315_W_Prep	MB 640-60840/1-A		640-60957	640-60840	09/17/2009 11:34	1	TAL TAL	DNS
A:8315A	MB 640-60840/1-A		640-60957	640-60840	09/18/2009 13:55	1	TAL TAL	RD
P:8315_S_Prep	MB 640-60976/1-A		640-61261	640-60976	09/21/2009 07:59	1	TAL TAL	DNS
A:8315A	MB 640-60976/1-A		640-61261	640-60976	09/23/2009 08:50	1	TAL TAL	RD
P:LC65	MB 640-60871/1-A		640-61147	640-60871	09/17/2009 11:15	1	TAL TAL	DNS
A:LC65	MB 640-60871/1-A		640-61147	640-60871	09/21/2009 01:25	1	TAL TAL	RD
P:LC65	MB 640-60977/1-A		640-61236	640-60977	09/21/2009 08:05	1	TAL TAL	DNS
A:LC65	MB 640-60977/1-A		640-61236	640-60977	09/24/2009 11:18	1	TAL TAL	RD
P:3010A	MB 360-48947/1-A		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	MB 360-48947/1-A		360-48971	360-48947	09/15/2009 12:23	1	TAL WFD	TJS
P:3050B	MB 360-49128/1-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	MB 360-49128/1-A		360-49209	360-49128	09/18/2009 12:12	1	TAL WFD	EMN
P:7470A	MB 360-49066/1-A		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	MB 360-49066/1-A		360-49149	360-49066	09/18/2009 09:34	1	TAL WFD	EMN
P:7471A	MB 360-49130/1-A		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	MB 360-49130/1-A		360-49177	360-49130	09/18/2009 12:22	1	TAL WFD	EMN
A:300.0	MB 360-49301/3		360-49301		09/21/2009 16:19	1	TAL WFD	ALL
A:300.0	MB 360-49375/1-A		360-49554		09/25/2009 11:17	1	TAL WFD	ALL
A:300.0	MB 360-49375/1-A		360-49555		09/25/2009 17:49	1	TAL WFD	ALL
P:3060A	MB 460-17585/1-A ^10		460-17979	460-17585	09/22/2009 09:40	10	TAL EDI	JC
A:7199	MB 460-17585/1-A ^10		460-17979	460-17585	09/24/2009 22:05	10	TAL EDI	LE
A:9045C	MB 460-17510/1		460-17510		09/18/2009 18:43	1	TAL EDI	MB
A:9045C	MB 460-17548/1		460-17548		09/21/2009 16:15	1	TAL EDI	MB
P:Distill/Ammonia	MB 360-49242/1-A		360-49292	360-49242	09/21/2009 14:13	1	TAL WFD	ALL

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

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:L107-06-1B	MB 360-49242/1-A		360-49292	360-49242	09/22/2009 09:16	1	TAL WFD	ALL
P:Distill/Ammonia	MB 360-49360/1-A		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	MB 360-49360/1-A		360-49363	360-49360	09/23/2009 13:49	1	TAL WFD	ALL

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

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:5035	LCS 360-49046/1-A		360-49049	360-49046	09/16/2009 15:32	1	TAL WFD	CMR
A:8260B	LCS 360-49046/1-A		360-49049	360-49046	09/16/2009 17:01	1	TAL WFD	CMR
P:5035	LCS 360-49099/1-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	LCS 360-49099/1-A		360-49101	360-49099	09/17/2009 13:51	1	TAL WFD	CMR
P:5030B	LCS 360-49119/3		360-49119		09/17/2009 16:47	1	TAL WFD	CT
A:8260B	LCS 360-49119/3		360-49119		09/17/2009 16:47	1	TAL WFD	CT
P:5035	LCS 360-49178/1-A		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	LCS 360-49178/1-A		360-49180	360-49178	09/18/2009 16:23	1	TAL WFD	CMR
P:3510C	LCS 360-48980/2-A		360-49511	360-48980	09/15/2009 14:56	1	TAL WFD	BRB
A:8270C LL	LCS 360-48980/2-A		360-49511	360-48980	09/25/2009 23:23	1	TAL WFD	PJS
P:3550B	LCS 360-49302/2-A		360-49520	360-49302	09/22/2009 11:55	1	TAL WFD	BRB
A:8270C LL	LCS 360-49302/2-A		360-49520	360-49302	09/26/2009 14:09	1	TAL WFD	KR
P:3546	LCS 360-49246/2-A		360-49645	360-49246	09/21/2009 15:30	1	TAL WFD	BRB
A:8270C LL	LCS 360-49246/2-A		360-49645	360-49246	09/28/2009 20:05	1	TAL WFD	PJS
P:3546	LCS 360-49345/2-A		360-49685	360-49345	09/23/2009 11:39	1	TAL WFD	BRB
A:8270C LL	LCS 360-49345/2-A		360-49685	360-49345	09/29/2009 22:16	1	TAL WFD	PJS
P:3546	LCS 360-49010/2-A		360-49013	360-49010	09/16/2009 09:18	1	TAL WFD	MZ
A:8082	LCS 360-49010/2-A		360-49013	360-49010	09/16/2009 11:13	1	TAL WFD	MZ
P:8315_W_Prep	LCS 640-60840/2-A		640-60957	640-60840	09/17/2009 11:34	1	TAL TAL	DNS
A:8315A	LCS 640-60840/2-A		640-60957	640-60840	09/18/2009 14:06	1	TAL TAL	RD
P:8315_S_Prep	LCS 640-60976/2-A		640-61261	640-60976	09/21/2009 07:59	1	TAL TAL	DNS
A:8315A	LCS 640-60976/2-A		640-61261	640-60976	09/23/2009 09:01	1	TAL TAL	RD
P:LC65	LCS 640-60871/2-A		640-61147	640-60871	09/17/2009 11:15	1	TAL TAL	DNS
A:LC65	LCS 640-60871/2-A		640-61147	640-60871	09/21/2009 01:37	1	TAL TAL	RD
P:LC65	LCS 640-60977/2-A		640-61236	640-60977	09/21/2009 08:05	1	TAL TAL	DNS
A:LC65	LCS 640-60977/2-A		640-61236	640-60977	09/24/2009 11:27	1	TAL TAL	RD
P:3010A	LCS 360-48947/2-A		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	LCS 360-48947/2-A		360-48971	360-48947	09/15/2009 12:26	1	TAL WFD	TJS
P:3050B	LCS 360-49128/2-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	LCS 360-49128/2-A		360-49209	360-49128	09/18/2009 12:15	1	TAL WFD	EMN
P:7470A	LCS 360-49066/2-A		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	LCS 360-49066/2-A		360-49149	360-49066	09/18/2009 09:36	1	TAL WFD	EMN
P:7471A	LCS 360-49130/2-A		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	LCS 360-49130/2-A		360-49177	360-49130	09/18/2009 12:24	1	TAL WFD	EMN
A:300.0	LCS 360-49301/4		360-49301		09/21/2009 16:34	1	TAL WFD	ALL
A:300.0	LCS 360-49375/2-A		360-49554		09/25/2009 11:33	1	TAL WFD	ALL
A:300.0	LCS 360-49375/2-A		360-49555		09/25/2009 18:05	1	TAL WFD	ALL
P:3060A	LCS 460-17585/2-A ^25		460-17979	460-17585	09/22/2009 09:40	25	TAL EDI	JC
A:7199	LCS 460-17585/2-A ^25		460-17979	460-17585	09/24/2009 22:27	25	TAL EDI	LE
A:9045C	LCS 460-17510/2		460-17510		09/18/2009 18:44	1	TAL EDI	MB
A:9045C	LCS 460-17548/2		460-17548		09/21/2009 16:16	1	TAL EDI	MB
P:Distill/Ammonia	LCS 360-49242/2-A		360-49292	360-49242	09/21/2009 14:13	1	TAL WFD	ALL

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

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
A:L107-06-1B	LCS 360-49242/2-A		360-49292	360-49242	09/22/2009 09:17	1	TAL WFD	ALL
P:Distill/Ammonia	LCS 360-49360/2-A		360-49363	360-49360	09/23/2009 11:17	1	TAL WFD	ALL
A:L107-06-1B	LCS 360-49360/2-A		360-49363	360-49360	09/23/2009 13:50	1	TAL WFD	ALL
A:SM 2580B	LCS 460-17544/1		460-17544		09/21/2009 16:50	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

Laboratory Chronicle

Lab ID: **LCSD** **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:5035	LCSD 360-49046/2-A		360-49049	360-49046	09/16/2009 15:32	1	TAL WFD	CMR
A:8260B	LCSD 360-49046/2-A		360-49049	360-49046	09/16/2009 17:25	1	TAL WFD	CMR
P:5035	LCSD 360-49099/2-A		360-49101	360-49099	09/17/2009 12:18	1	TAL WFD	CMR
A:8260B	LCSD 360-49099/2-A		360-49101	360-49099	09/17/2009 14:15	1	TAL WFD	CMR
P:5030B	LCSD 360-49119/4		360-49119		09/17/2009 17:07	1	TAL WFD	CT
A:8260B	LCSD 360-49119/4		360-49119		09/17/2009 17:07	1	TAL WFD	CT
P:5035	LCSD 360-49178/2-A		360-49180	360-49178	09/18/2009 15:00	1	TAL WFD	CMR
A:8260B	LCSD 360-49178/2-A		360-49180	360-49178	09/18/2009 16:47	1	TAL WFD	CMR
P:3510C	LCSD 360-48980/3-A		360-49511	360-48980	09/15/2009 14:56	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48980/3-A		360-49511	360-48980	09/25/2009 23:51	1	TAL WFD	PJS
P:3550B	LCSD 360-49302/3-A		360-49520	360-49302	09/22/2009 11:55	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49302/3-A		360-49520	360-49302	09/26/2009 14:41	1	TAL WFD	KR
P:3546	LCSD 360-49246/3-A		360-49645	360-49246	09/21/2009 15:30	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49246/3-A		360-49645	360-49246	09/28/2009 20:38	1	TAL WFD	PJS
P:3546	LCSD 360-49345/3-A		360-49685	360-49345	09/23/2009 11:39	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49345/3-A		360-49685	360-49345	09/29/2009 22:44	1	TAL WFD	PJS
P:3546	LCSD 360-49010/3-A		360-49013	360-49010	09/16/2009 09:18	1	TAL WFD	MZ
A:8082	LCSD 360-49010/3-A		360-49013	360-49010	09/16/2009 11:35	1	TAL WFD	MZ
P:8315_W_Prep	LCSD 640-60840/3-A		640-60957	640-60840	09/17/2009 11:34	1	TAL TAL	DNS
A:8315A	LCSD 640-60840/3-A		640-60957	640-60840	09/18/2009 14:18	1	TAL TAL	RD
P:8315_S_Prep	LCSD 640-60976/3-A		640-61261	640-60976	09/21/2009 07:59	1	TAL TAL	DNS
A:8315A	LCSD 640-60976/3-A		640-61261	640-60976	09/23/2009 09:13	1	TAL TAL	RD
P:LC65	LCSD 640-60871/3-A		640-61147	640-60871	09/17/2009 11:15	1	TAL TAL	DNS
A:LC65	LCSD 640-60871/3-A		640-61147	640-60871	09/21/2009 01:50	1	TAL TAL	RD
P:LC65	LCSD 640-60977/3-A		640-61236	640-60977	09/21/2009 08:05	1	TAL TAL	DNS
A:LC65	LCSD 640-60977/3-A		640-61236	640-60977	09/24/2009 11:36	1	TAL TAL	RD
P:3010A	LCSD 360-48947/3-A		360-48971	360-48947	09/15/2009 08:35	1	TAL WFD	TFB
A:6010B	LCSD 360-48947/3-A		360-48971	360-48947	09/15/2009 12:28	1	TAL WFD	TJS
P:3050B	LCSD 360-49128/3-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	LCSD 360-49128/3-A		360-49209	360-49128	09/18/2009 12:18	1	TAL WFD	EMN
P:7470A	LCSD 360-49066/3-A		360-49149	360-49066	09/17/2009 08:12	1	TAL WFD	TFB
A:7470A	LCSD 360-49066/3-A		360-49149	360-49066	09/18/2009 09:38	1	TAL WFD	EMN
P:7471A	LCSD 360-49130/3-A		360-49177	360-49130	09/17/2009 16:01	1	TAL WFD	TFB
A:7471A	LCSD 360-49130/3-A		360-49177	360-49130	09/18/2009 12:26	1	TAL WFD	EMN

Lab ID: **LCSSRM** **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	LCSSRM 460-17585/3-A ^100		460-17979	460-17585	09/22/2009 09:40	100	TAL EDI	JC
A:7199	LCSSRM 460-17585/3-A ^100		460-17979	460-17585	09/24/2009 22:57	100	TAL EDI	LE

Client: Olin Corporation

Job Number: 360-24582-1
SDG: OCRI-15

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 460-17585/4-A ^500		460-17979	460-17585	09/22/2009 09:40	500	TAL EDI	JC
A:7199	LCSI 460-17585/4-A ^500		460-17979	460-17585	09/24/2009 23:12	500	TAL EDI	LE
P:3060A	360-24582-A-25-E MSI ^500		460-17979	460-17585	09/22/2009 09:40	500	TAL EDI	JC
A:7199	360-24582-A-25-E MSI ^500		460-17979	460-17585	09/25/2009 00:10	500	TAL EDI	LE

Lab References:

TAL EDI = TestAmerica Edison

TAL TAL = TestAmerica Tallahassee

TAL WFD = TestAmerica Westfield

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
OC-SB-457-28/30-XXX	360-24582-1	98	102	97
OC-TBK-018	360-24582-2	99	102	97
OC-SS-400-0.0/1.0-XXX	360-24582-5	104	100	100
OC-SS-401-0.1/1.0-XXX	360-24582-6	99	99	94
OC-SS-402-0.0/1.0-XXX	360-24582-7	103	100	95
OC-SS-404-0.0/1.0-XXX	360-24582-9	104	100	101
OC-SS-405-0.0/1.0-XXX	360-24582-10	103	100	102
OC-SS-406-0.0/1.0.-XXX	360-24582-11	104	98	102
OC-SS-407-0.0/1.0-XXX	360-24582-12	101	101	103
OC-SS-408-0.0/1.0-XXX	360-24582-13	101	100	102
OC-SS-409-0.0/1.0-XXX	360-24582-14	99	104	92
OC-SS-411-0.0/1.0-XXX	360-24582-16	105	101	100
OC-SS-412-0.0/1.0-XXX	360-24582-17	99	103	95
OC-SS-414-0.0/1.0-XXX	360-24582-19	103	102	101
OC-SS-415-0.0/1.0-XXX	360-24582-20	103	99	92
OC-SS-416-0.0/1.0-DUP	360-24582-21	101	102	97
OC-SS-416-0.0/1.0-XXX	360-24582-22	97	104	91
OC-TBK-019	360-24582-23	103	101	102
	MB 360-49046/3-A	100	101	105
	MB 360-49099/3-A	101	99	103
	MB 360-49178/3-A	99	101	101
	LCS 360-49046/1-A	93	106	90
	LCS 360-49099/1-A	94	106	90
	LCS 360-49178/1-A	98	101	96
	LCSD 360-49046/2-A	102	102	96

	QC LIMITS
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
	LCSD 360-49099/2-A	99	101	97
	LCSD 360-49178/2-A	99	100	96
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	100	102	92
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	99	99	94

	QC LIMITS
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
OC-EBK-010	360-24582-4	127	93	87
	MB 360-49119/6	112	96	85
	LCS 360-49119/3	100	103	98
	LCSD 360-49119/4	101	104	98

	QC LIMITS
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45049.D

Lab ID: LCS 360-49046/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	83.2	83	70-130	
1,1,1,2-Tetrachloroethane	100	89.0	89	70-130	
1,1,2,2-Tetrachloroethane	100	82.2	82	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	79.3	79	70-130	
1,1,2-Trichloroethane	100	91.1	91	70-130	
1,1-Dichloroethane	100	89.9	90	70-130	
1,1-Dichloroethene	100	85.1	85	70-130	
1,1-Dichloropropene	100	88.2	88	70-130	
1,2,3-Trichlorobenzene	100	96.5	96	70-130	
1,2,3-Trichloropropane	100	93.4	93	70-130	
1,2,4-Trichlorobenzene	100	97.2	97	70-130	
1,2,4-Trimethylbenzene	100	84.4	84	70-130	
1,2-Dibromo-3-Chloropropane	100	82.4	82	70-130	
Ethylene Dibromide	100	92.4	92	70-130	
1,2-Dichlorobenzene	100	91.6	92	70-130	
1,2-Dichloroethane	100	88.7	89	70-130	
1,2-Dichloropropane	100	102	102	70-130	
1,3,5-Trimethylbenzene	100	88.5	88	70-130	
1,3-Dichlorobenzene	100	83.2	83	70-130	
1,3-Dichloropropane	100	91.8	92	70-130	
1,4-Dichlorobenzene	100	93.5	93	70-130	
1,4-Dioxane	1000	1020	102	70-130	
2,2-Dichloropropane	100	93.0	93	70-130	
2,4,4-Trimethyl-1-pentene	100	87.3	87	70-130	
2,4,4-Trimethyl-2-pentene	100	84.5	85	70-130	
2-Chlorotoluene	100	85.1	85	70-130	
2-Hexanone	1000	824	82	70-130	
4-Chlorotoluene	100	85.9	86	70-130	
Acetone	1000	829	83	70-130	
Benzene	100	91.9	92	70-130	
Bromobenzene	100	82.5	82	70-130	
Chlorobromomethane	100	84.4	84	70-130	
Dichlorobromomethane	100	92.2	92	70-130	
Bromoform	100	85.7	86	70-130	
Bromomethane	100	93.1	93	70-130	
n-Butylbenzene	100	98.4	98	70-130	
Carbon disulfide	100	83.3	83	70-130	
Carbon tetrachloride	100	83.3	83	70-130	
Chlorobenzene	100	95.4	95	70-130	
Chloroethane	100	83.8	84	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45049.D

Lab ID: LCS 360-49046/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	87.9	88	70-130	
Chloromethane	100	81.5	81	70-130	
cis-1,2-Dichloroethene	100	85.8	86	70-130	
cis-1,3-Dichloropropene	100	95.1	95	70-130	
Cyclohexane	100	79.4	79	70-130	
Chlorodibromomethane	100	87.6	88	70-130	
Dibromomethane	100	89.9	90	70-130	
Dichlorodifluoromethane	100	45.6	46	70-130	*
Ethyl ether	100	86.5	86	70-130	
Isopropyl ether	100	79.8	80	70-130	
Tert-butyl ethyl ether	100	78.7	79	70-130	
Ethylbenzene	100	98.7	99	70-130	
Hexachlorobutadiene	100	98.6	99	70-130	
Isopropylbenzene	100	91.1	91	70-130	
Methyl acetate	1000	967	97	70-130	
2-Butanone (MEK)	1000	830	83	70-130	
4-Methyl-2-pentanone (MIBK)	1000	798	80	70-130	
Methyl tert-butyl ether	100	75.5	76	70-130	
Methylcyclohexane	100	81.3	81	70-130	
Methylene Chloride	100	90.4	90	70-130	
m-Xylene & p-Xylene	200	183	92	70-130	
Naphthalene	100	83.6	84	70-130	
N-Propylbenzene	100	88.9	89	70-130	
o-Xylene	100	88.3	88	70-130	
4-Isopropyltoluene	100	91.2	91	70-130	
sec-Butylbenzene	100	88.3	88	70-130	
Styrene	100	90.9	91	70-130	
Tert-amyl methyl ether	100	79.0	79	70-130	
tert-Butylbenzene	100	90.2	90	70-130	
Tetrachloroethene	100	104	104	70-130	
Tetrahydrofuran	1000	939	94	70-130	
Toluene	100	101	101	70-130	
trans-1,2-Dichloroethene	100	81.4	81	70-130	
trans-1,3-Dichloropropene	100	95.2	95	70-130	
Trichloroethene	100	98.4	98	70-130	
Trichlorofluoromethane	100	75.6	76	70-130	
Vinyl chloride	100	78.1	78	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45088.D

Lab ID: LCS 360-49099/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	84.2	84	70-130	
1,1,1,2-Tetrachloroethane	100	88.3	88	70-130	
1,1,2,2-Tetrachloroethane	100	82.3	82	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	84.8	85	70-130	
1,1,2-Trichloroethane	100	93.1	93	70-130	
1,1-Dichloroethane	100	88.4	88	70-130	
1,1-Dichloroethene	100	88.0	88	70-130	
1,1-Dichloropropene	100	91.5	92	70-130	
1,2,3-Trichlorobenzene	100	95.0	95	70-130	
1,2,3-Trichloropropane	100	93.0	93	70-130	
1,2,4-Trichlorobenzene	100	96.1	96	70-130	
1,2,4-Trimethylbenzene	100	82.6	83	70-130	
1,2-Dibromo-3-Chloropropane	100	84.7	85	70-130	
Ethylene Dibromide	100	93.1	93	70-130	
1,2-Dichlorobenzene	100	89.0	89	70-130	
1,2-Dichloroethane	100	89.2	89	70-130	
1,2-Dichloropropane	100	101	101	70-130	
1,3,5-Trimethylbenzene	100	86.7	87	70-130	
1,3-Dichlorobenzene	100	82.0	82	70-130	
1,3-Dichloropropane	100	93.6	94	70-130	
1,4-Dichlorobenzene	100	90.5	91	70-130	
1,4-Dioxane	1000	1030	103	70-130	
2,2-Dichloropropane	100	91.3	91	70-130	
2,4,4-Trimethyl-1-pentene	100	94.0	94	70-130	
2,4,4-Trimethyl-2-pentene	100	92.4	92	70-130	
2-Chlorotoluene	100	83.4	83	70-130	
2-Hexanone	1000	826	83	70-130	
4-Chlorotoluene	100	84.2	84	70-130	
Acetone	1000	800	80	70-130	
Benzene	100	91.0	91	70-130	
Bromobenzene	100	80.4	80	70-130	
Chlorobromomethane	100	84.7	85	70-130	
Dichlorobromomethane	100	90.9	91	70-130	
Bromoform	100	88.6	89	70-130	
Bromomethane	100	91.2	91	70-130	
n-Butylbenzene	100	96.3	96	70-130	
Carbon disulfide	100	82.3	82	70-130	
Carbon tetrachloride	100	87.5	88	70-130	
Chlorobenzene	100	94.9	95	70-130	
Chloroethane	100	82.4	82	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45088.D

Lab ID: LCS 360-49099/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	87.4	87	70-130	
Chloromethane	100	79.1	79	70-130	
cis-1,2-Dichloroethene	100	84.7	85	70-130	
cis-1,3-Dichloropropene	100	94.8	95	70-130	
Cyclohexane	100	88.2	88	70-130	
Chlorodibromomethane	100	87.7	88	70-130	
Dibromomethane	100	90.1	90	70-130	
Dichlorodifluoromethane	100	51.2	51	70-130	*
Ethyl ether	100	88.0	88	70-130	
Isopropyl ether	100	79.5	79	70-130	
Tert-butyl ethyl ether	100	79.1	79	70-130	
Ethylbenzene	100	97.9	98	70-130	
Hexachlorobutadiene	100	100	100	70-130	
Isopropylbenzene	100	90.6	91	70-130	
Methyl acetate	1000	1070	107	70-130	
2-Butanone (MEK)	1000	834	83	70-130	
4-Methyl-2-pentanone (MIBK)	1000	799	80	70-130	
Methyl tert-butyl ether	100	76.3	76	70-130	
Methylcyclohexane	100	93.2	93	70-130	
Methylene Chloride	100	84.6	85	70-130	
m-Xylene & p-Xylene	200	181	91	70-130	
Naphthalene	100	84.0	84	70-130	
N-Propylbenzene	100	87.6	88	70-130	
o-Xylene	100	86.3	86	70-130	
4-Isopropyltoluene	100	89.6	90	70-130	
sec-Butylbenzene	100	87.8	88	70-130	
Styrene	100	87.8	88	70-130	
Tert-amyl methyl ether	100	80.9	81	70-130	
tert-Butylbenzene	100	89.1	89	70-130	
Tetrachloroethene	100	107	107	70-130	
Tetrahydrofuran	1000	960	96	70-130	
Toluene	100	99.7	100	70-130	
trans-1,2-Dichloroethene	100	79.3	79	70-130	
trans-1,3-Dichloropropene	100	97.1	97	70-130	
Trichloroethene	100	98.0	98	70-130	
Trichlorofluoromethane	100	84.0	84	70-130	
Vinyl chloride	100	80.7	81	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: V06972.D

Lab ID: LCS 360-49119/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	22.8	114	70-130	
1,1,1,2-Tetrachloroethane	20.0	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.3	76	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	21.5	108	70-130	
1,1,2-Trichloroethane	20.0	19.4	97	70-130	
1,1-Dichloroethane	20.0	19.6	98	70-130	
1,1-Dichloroethene	20.0	18.4	92	70-130	
1,1-Dichloropropene	20.0	20.5	103	70-130	
1,2,3-Trichlorobenzene	20.0	18.6	93	70-130	
1,2,3-Trichloropropane	20.0	19.1	95	70-130	
1,2,4-Trichlorobenzene	20.0	19.1	96	70-130	
1,2,4-Trimethylbenzene	20.0	19.7	99	70-130	
1,2-Dibromo-3-Chloropropane	20.0	13.8	69	70-130	*
Ethylene Dibromide	20.0	20.5	103	70-130	
1,2-Dichlorobenzene	20.0	20.2	101	70-130	
1,2-Dichloroethane	20.0	18.5	92	70-130	
1,2-Dichloropropane	20.0	19.5	98	70-130	
1,3,5-Trimethylbenzene	20.0	20.1	101	70-130	
1,3-Dichlorobenzene	20.0	23.9	119	70-130	
1,3-Dichloropropane	20.0	19.6	98	70-130	
1,4-Dichlorobenzene	20.0	20.7	104	70-130	
1,4-Dioxane	200	122	61	70-130	*
2,2-Dichloropropane	20.0	26.3	131	70-130	*
2,4,4-Trimethyl-1-pentene	20.0	20.4	102	70-130	
2,4,4-Trimethyl-2-pentene	20.0	18.8	94	70-130	
2-Chlorotoluene	20.0	19.7	98	70-130	
2-Hexanone	200	153	76	70-130	
4-Chlorotoluene	20.0	20.5	103	70-130	
Acetone	200	147	74	70-130	
Benzene	20.0	20.3	101	70-130	
Bromobenzene	20.0	19.8	99	70-130	
Chlorobromomethane	20.0	21.8	109	70-130	
Dichlorobromomethane	20.0	19.8	99	70-130	
Bromoform	20.0	17.8	89	70-130	
Bromomethane	20.0	20.3	102	70-130	
n-Butylbenzene	20.0	17.4	87	70-130	
Carbon disulfide	20.0	18.8	94	70-130	
Carbon tetrachloride	20.0	23.7	118	70-130	
Chlorobenzene	20.0	21.0	105	70-130	
Chloroethane	20.0	17.6	88	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: V06972.D

Lab ID: LCS 360-49119/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloroform	20.0	20.1	101	70-130	
Chloromethane	20.0	17.0	85	70-130	
cis-1,2-Dichloroethene	20.0	19.9	99	70-130	
cis-1,3-Dichloropropene	20.0	21.8	109	70-130	
Cyclohexane	20.0	19.1	95	70-130	
Chlorodibromomethane	20.0	21.0	105	70-130	
Dibromomethane	20.0	19.2	96	70-130	
Dichlorodifluoromethane	20.0	13.3	66	70-130	*
Ethyl ether	20.0	18.4	92	70-130	
Isopropyl ether	20.0	18.6	93	70-130	
Tert-butyl ethyl ether	20.0	20.6	103	70-130	
Ethylbenzene	20.0	20.8	104	70-130	
Hexachlorobutadiene	20.0	21.5	108	70-130	
Isopropylbenzene	20.0	18.7	94	70-130	
Methyl acetate	200	160	80	70-130	
2-Butanone (MEK)	200	129	65	70-130	*
4-Methyl-2-pentanone (MIBK)	200	156	78	70-130	
Methyl tert-butyl ether	20.0	22.1	110	70-130	
Methylcyclohexane	20.0	21.6	108	70-130	
Methylene Chloride	20.0	20.0	100	70-130	
m-Xylene & p-Xylene	40.0	40.6	102	70-130	
Naphthalene	20.0	15.3	77	70-130	
N-Propylbenzene	20.0	19.2	96	70-130	
o-Xylene	20.0	17.7	88	70-130	
4-Isopropyltoluene	20.0	20.2	101	70-130	
sec-Butylbenzene	20.0	20.1	101	70-130	
Styrene	20.0	19.2	96	70-130	
Tert-amyl methyl ether	20.0	22.4	112	70-130	
tert-Butylbenzene	20.0	19.7	98	70-130	
Tetrachloroethene	20.0	23.6	118	70-130	
Tetrahydrofuran	200	151	76	70-130	
Toluene	20.0	21.2	106	70-130	
trans-1,2-Dichloroethene	20.0	19.5	97	70-130	
trans-1,3-Dichloropropene	20.0	22.4	112	70-130	
Trichloroethene	20.0	20.0	100	70-130	
Trichlorofluoromethane	20.0	22.6	113	70-130	
Vinyl chloride	20.0	18.3	91	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45138.D

Lab ID: LCS 360-49178/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	91.0	91	70-130	
1,1,1,2-Tetrachloroethane	100	102	102	70-130	
1,1,2,2-Tetrachloroethane	100	88.9	89	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	89.9	90	70-130	
1,1,2-Trichloroethane	100	96.4	96	70-130	
1,1-Dichloroethane	100	98.4	98	70-130	
1,1-Dichloroethene	100	97.3	97	70-130	
1,1-Dichloropropene	100	95.1	95	70-130	
1,2,3-Trichlorobenzene	100	103	103	70-130	
1,2,3-Trichloropropane	100	111	111	70-130	
1,2,4-Trichlorobenzene	100	102	102	70-130	
1,2,4-Trimethylbenzene	100	95.8	96	70-130	
1,2-Dibromo-3-Chloropropane	100	94.6	95	70-130	
Ethylene Dibromide	100	97.3	97	70-130	
1,2-Dichlorobenzene	100	95.4	95	70-130	
1,2-Dichloroethane	100	95.7	96	70-130	
1,2-Dichloropropane	100	106	106	70-130	
1,3,5-Trimethylbenzene	100	98.0	98	70-130	
1,3-Dichlorobenzene	100	96.3	96	70-130	
1,3-Dichloropropane	100	93.5	94	70-130	
1,4-Dichlorobenzene	100	94.6	95	70-130	
1,4-Dioxane	1000	1170	117	70-130	
2,2-Dichloropropane	100	99.5	100	70-130	
2,4,4-Trimethyl-1-pentene	100	103	103	70-130	
2,4,4-Trimethyl-2-pentene	100	99.7	100	70-130	
2-Chlorotoluene	100	94.3	94	70-130	
2-Hexanone	1000	879	88	70-130	
4-Chlorotoluene	100	96.3	96	70-130	
Acetone	1000	993	99	70-130	
Benzene	100	96.6	97	70-130	
Bromobenzene	100	91.6	92	70-130	
Chlorobromomethane	100	92.9	93	70-130	
Dichlorobromomethane	100	95.9	96	70-130	
Bromoform	100	86.5	86	70-130	
Bromomethane	100	96.8	97	70-130	
n-Butylbenzene	100	97.9	98	70-130	
Carbon disulfide	100	90.1	90	70-130	
Carbon tetrachloride	100	92.1	92	70-130	
Chlorobenzene	100	99.6	100	70-130	
Chloroethane	100	90.8	91	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45138.D

Lab ID: LCS 360-49178/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	101	101	70-130	
Chloromethane	100	85.8	86	70-130	
cis-1,2-Dichloroethene	100	95.8	96	70-130	
cis-1,3-Dichloropropene	100	94.4	94	70-130	
Cyclohexane	100	91.1	91	70-130	
Chlorodibromomethane	100	89.5	89	70-130	
Dibromomethane	100	96.5	97	70-130	
Dichlorodifluoromethane	100	60.0	60	70-130	*
Ethyl ether	100	105	105	70-130	
Isopropyl ether	100	93.3	93	70-130	
Tert-butyl ethyl ether	100	95.6	96	70-130	
Ethylbenzene	100	102	102	70-130	
Hexachlorobutadiene	100	98.7	99	70-130	
Isopropylbenzene	100	99.2	99	70-130	
Methyl acetate	1000	1350	135	70-130	*
2-Butanone (MEK)	1000	926	93	70-130	
4-Methyl-2-pentanone (MIBK)	1000	914	91	70-130	
Methyl tert-butyl ether	100	92.7	93	70-130	
Methylcyclohexane	100	95.1	95	70-130	
Methylene Chloride	100	103	103	70-130	
m-Xylene & p-Xylene	200	193	97	70-130	
Naphthalene	100	92.7	93	70-130	
N-Propylbenzene	100	97.0	97	70-130	
o-Xylene	100	96.2	96	70-130	
4-Isopropyltoluene	100	102	102	70-130	
sec-Butylbenzene	100	98.9	99	70-130	
Styrene	100	95.3	95	70-130	
Tert-amyl methyl ether	100	98.0	98	70-130	
tert-Butylbenzene	100	101	101	70-130	
Tetrachloroethene	100	103	103	70-130	
Tetrahydrofuran	1000	1100	110	70-130	
Toluene	100	100	100	70-130	
trans-1,2-Dichloroethene	100	87.9	88	70-130	
trans-1,3-Dichloropropene	100	93.7	94	70-130	
Trichloroethene	100	102	102	70-130	
Trichlorofluoromethane	100	89.9	90	70-130	
Vinyl chloride	100	88.1	88	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45050.D

Lab ID: LCSD 360-49046/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	100	96.6	97	15	25	70-130	
1,1,1,2-Tetrachloroethane	100	103	103	14	25	70-130	
1,1,2,2-Tetrachloroethane	100	88.4	88	7	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	89.2	89	12	25	70-130	
1,1,2-Trichloroethane	100	91.5	92	0	25	70-130	
1,1-Dichloroethane	100	102	102	13	25	70-130	
1,1-Dichloroethene	100	101	101	17	25	70-130	
1,1-Dichloropropene	100	91.1	91	3	25	70-130	
1,2,3-Trichlorobenzene	100	93.5	93	3	25	70-130	
1,2,3-Trichloropropane	100	107	107	13	25	70-130	
1,2,4-Trichlorobenzene	100	95.5	96	2	25	70-130	
1,2,4-Trimethylbenzene	100	97.0	97	14	25	70-130	
1,2-Dibromo-3-Chloropropane	100	88.1	88	7	25	70-130	
Ethylene Dibromide	100	91.5	91	1	25	70-130	
1,2-Dichlorobenzene	100	93.3	93	2	25	70-130	
1,2-Dichloroethane	100	92.3	92	4	25	70-130	
1,2-Dichloropropane	100	106	106	4	25	70-130	
1,3,5-Trimethylbenzene	100	100	100	12	25	70-130	
1,3-Dichlorobenzene	100	95.8	96	14	25	70-130	
1,3-Dichloropropane	100	88.6	89	4	25	70-130	
1,4-Dichlorobenzene	100	92.8	93	1	25	70-130	
1,4-Dioxane	1000	1190	119	16	25	70-130	
2,2-Dichloropropane	100	128	128	31	25	70-130	*
2,4,4-Trimethyl-1-pentene	100	100	100	14	25	70-130	
2,4,4-Trimethyl-2-pentene	100	90.9	91	7	25	70-130	
2-Chlorotoluene	100	95.9	96	12	25	70-130	
2-Hexanone	1000	834	83	1	25	70-130	
4-Chlorotoluene	100	94.8	95	10	25	70-130	
Acetone	1000	1060	106	24	25	70-130	
Benzene	100	95.7	96	4	25	70-130	
Bromobenzene	100	91.8	92	11	25	70-130	
Chlorobromomethane	100	94.2	94	11	25	70-130	
Dichlorobromomethane	100	89.9	90	3	25	70-130	
Bromoform	100	81.6	82	5	25	70-130	
Bromomethane	100	115	115	21	25	70-130	
n-Butylbenzene	100	97.6	98	1	25	70-130	
Carbon disulfide	100	98.9	99	17	25	70-130	
Carbon tetrachloride	100	93.5	94	12	25	70-130	
Chlorobenzene	100	95.5	96	0	25	70-130	
Chloroethane	100	104	104	21	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45050.D

Lab ID: LCSD 360-49046/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	98.7	99	12	25	70-130	
Chloromethane	100	98.1	98	19	25	70-130	
cis-1,2-Dichloroethene	100	97.2	97	12	25	70-130	
cis-1,3-Dichloropropene	100	87.4	87	8	25	70-130	
Cyclohexane	100	91.8	92	15	25	70-130	
Chlorodibromomethane	100	85.7	86	2	25	70-130	
Dibromomethane	100	92.4	92	3	25	70-130	
Dichlorodifluoromethane	100	56.0	56	20	25	70-130	*
Ethyl ether	100	100	100	15	25	70-130	
Isopropyl ether	100	95.7	96	18	25	70-130	
Tert-butyl ethyl ether	100	98.6	99	23	25	70-130	
Ethylbenzene	100	102	102	4	25	70-130	
Hexachlorobutadiene	100	92.1	92	7	25	70-130	
Isopropylbenzene	100	100	100	9	25	70-130	
Methyl acetate	1000	1190	119	20	25	70-130	
2-Butanone (MEK)	1000	888	89	7	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	926	93	15	25	70-130	
Methyl tert-butyl ether	100	96.4	96	24	25	70-130	
Methylcyclohexane	100	92.8	93	13	25	70-130	
Methylene Chloride	100	109	109	18	25	70-130	
m-Xylene & p-Xylene	200	191	95	4	25	70-130	
Naphthalene	100	83.7	84	0	25	70-130	
N-Propylbenzene	100	97.5	98	9	25	70-130	
o-Xylene	100	97.3	97	10	25	70-130	
4-Isopropyltoluene	100	103	103	12	25	70-130	
sec-Butylbenzene	100	98.8	99	11	25	70-130	
Styrene	100	94.2	94	4	25	70-130	
Tert-amyl methyl ether	100	98.7	99	22	25	70-130	
tert-Butylbenzene	100	100	100	11	25	70-130	
Tetrachloroethene	100	94.2	94	10	25	70-130	
Tetrahydrofuran	1000	1070	107	13	25	70-130	
Toluene	100	98.2	98	3	25	70-130	
trans-1,2-Dichloroethene	100	95.5	95	16	25	70-130	
trans-1,3-Dichloropropene	100	89.2	89	6	25	70-130	
Trichloroethene	100	97.0	97	1	25	70-130	
Trichlorofluoromethane	100	86.1	86	13	25	70-130	
Vinyl chloride	100	91.6	92	16	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45089.D

Lab ID: LCSD 360-49099/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	100	95.6	96	13	25	70-130	
1,1,1,2-Tetrachloroethane	100	104	104	16	25	70-130	
1,1,2,2-Tetrachloroethane	100	87.0	87	6	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	98.6	99	15	25	70-130	
1,1,2-Trichloroethane	100	91.7	92	2	25	70-130	
1,1-Dichloroethane	100	99.0	99	11	25	70-130	
1,1-Dichloroethene	100	100	100	13	25	70-130	
1,1-Dichloropropene	100	96.4	96	5	25	70-130	
1,2,3-Trichlorobenzene	100	99.4	99	5	25	70-130	
1,2,3-Trichloropropane	100	112	112	19	25	70-130	
1,2,4-Trichlorobenzene	100	99.8	100	4	25	70-130	
1,2,4-Trimethylbenzene	100	98.9	99	18	25	70-130	
1,2-Dibromo-3-Chloropropane	100	87.5	87	3	25	70-130	
Ethylene Dibromide	100	91.5	91	2	25	70-130	
1,2-Dichlorobenzene	100	94.3	94	6	25	70-130	
1,2-Dichloroethane	100	92.0	92	3	25	70-130	
1,2-Dichloropropane	100	105	105	3	25	70-130	
1,3,5-Trimethylbenzene	100	102	102	16	25	70-130	
1,3-Dichlorobenzene	100	98.7	99	19	25	70-130	
1,3-Dichloropropane	100	89.1	89	5	25	70-130	
1,4-Dichlorobenzene	100	94.1	94	4	25	70-130	
1,4-Dioxane	1000	1190	119	15	25	70-130	
2,2-Dichloropropane	100	110	110	19	25	70-130	
2,4,4-Trimethyl-1-pentene	100	111	111	16	25	70-130	
2,4,4-Trimethyl-2-pentene	100	105	105	12	25	70-130	
2-Chlorotoluene	100	96.4	96	14	25	70-130	
2-Hexanone	1000	845	85	2	25	70-130	
4-Chlorotoluene	100	97.6	98	15	25	70-130	
Acetone	1000	839	84	5	25	70-130	
Benzene	100	96.5	96	6	25	70-130	
Bromobenzene	100	92.1	92	14	25	70-130	
Chlorobromomethane	100	92.6	93	9	25	70-130	
Dichlorobromomethane	100	90.4	90	1	25	70-130	
Bromoform	100	84.2	84	5	25	70-130	
Bromomethane	100	109	109	18	25	70-130	
n-Butylbenzene	100	101	101	4	25	70-130	
Carbon disulfide	100	95.2	95	15	25	70-130	
Carbon tetrachloride	100	98.9	99	12	25	70-130	
Chlorobenzene	100	99.0	99	4	25	70-130	
Chloroethane	100	100	100	20	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45089.D

Lab ID: LCSD 360-49099/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	97.9	98	11	25	70-130	
Chloromethane	100	95.5	95	19	25	70-130	
cis-1,2-Dichloroethene	100	95.2	95	12	25	70-130	
cis-1,3-Dichloropropene	100	89.0	89	6	25	70-130	
Cyclohexane	100	95.9	96	8	25	70-130	
Chlorodibromomethane	100	86.7	87	1	25	70-130	
Dibromomethane	100	92.7	93	3	25	70-130	
Dichlorodifluoromethane	100	64.9	65	24	25	70-130	*
Ethyl ether	100	96.5	96	9	25	70-130	
Isopropyl ether	100	91.4	91	14	25	70-130	
Tert-butyl ethyl ether	100	93.2	93	16	25	70-130	
Ethylbenzene	100	105	105	7	25	70-130	
Hexachlorobutadiene	100	101	101	0	25	70-130	
Isopropylbenzene	100	104	104	13	25	70-130	
Methyl acetate	1000	1140	114	7	25	70-130	
2-Butanone (MEK)	1000	928	93	11	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	916	92	14	25	70-130	
Methyl tert-butyl ether	100	91.0	91	18	25	70-130	
Methylcyclohexane	100	99.1	99	6	25	70-130	
Methylene Chloride	100	97.1	97	14	25	70-130	
m-Xylene & p-Xylene	200	197	99	8	25	70-130	
Naphthalene	100	88.4	88	5	25	70-130	
N-Propylbenzene	100	101	101	15	25	70-130	
o-Xylene	100	98.2	98	13	25	70-130	
4-Isopropyltoluene	100	107	107	18	25	70-130	
sec-Butylbenzene	100	105	105	18	25	70-130	
Styrene	100	95.1	95	8	25	70-130	
Tert-amyl methyl ether	100	95.3	95	16	25	70-130	
tert-Butylbenzene	100	106	106	17	25	70-130	
Tetrachloroethene	100	104	104	3	25	70-130	
Tetrahydrofuran	1000	1010	101	5	25	70-130	
Toluene	100	99.0	99	1	25	70-130	
trans-1,2-Dichloroethene	100	90.0	90	13	25	70-130	
trans-1,3-Dichloropropene	100	89.1	89	9	25	70-130	
Trichloroethene	100	102	102	4	25	70-130	
Trichlorofluoromethane	100	98.5	99	16	25	70-130	
Vinyl chloride	100	96.6	97	18	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: V06973.D

Lab ID: LCSD 360-49119/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.0	115	1	25	70-130	
1,1,1,2-Tetrachloroethane	20.0	21.3	107	1	25	70-130	
1,1,2,2-Tetrachloroethane	20.0	14.7	74	3	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	22.0	110	2	25	70-130	
1,1,2-Trichloroethane	20.0	19.6	98	1	25	70-130	
1,1-Dichloroethane	20.0	19.8	99	1	25	70-130	
1,1-Dichloroethene	20.0	18.4	92	0	25	70-130	
1,1-Dichloropropene	20.0	20.5	102	0	25	70-130	
1,2,3-Trichlorobenzene	20.0	18.4	92	1	25	70-130	
1,2,3-Trichloropropane	20.0	18.7	94	2	25	70-130	
1,2,4-Trichlorobenzene	20.0	19.2	96	0	25	70-130	
1,2,4-Trimethylbenzene	20.0	19.5	97	1	25	70-130	
1,2-Dibromo-3-Chloropropane	20.0	13.1	66	5	25	70-130	*
Ethylene Dibromide	20.0	21.0	105	2	25	70-130	
1,2-Dichlorobenzene	20.0	20.2	101	0	25	70-130	
1,2-Dichloroethane	20.0	18.8	94	2	25	70-130	
1,2-Dichloropropane	20.0	19.7	99	1	25	70-130	
1,3,5-Trimethylbenzene	20.0	19.7	99	2	25	70-130	
1,3-Dichlorobenzene	20.0	23.4	117	2	25	70-130	
1,3-Dichloropropane	20.0	20.0	100	2	25	70-130	
1,4-Dichlorobenzene	20.0	20.5	102	1	25	70-130	
1,4-Dioxane	200	126	63	3	25	70-130	*
2,2-Dichloropropane	20.0	27.0	135	3	25	70-130	*
2,4,4-Trimethyl-1-pentene	20.0	20.8	104	2	25	70-130	
2,4,4-Trimethyl-2-pentene	20.0	16.7	84	12	25	70-130	
2-Chlorotoluene	20.0	19.5	98	1	25	70-130	
2-Hexanone	200	151	76	1	25	70-130	
4-Chlorotoluene	20.0	20.3	102	1	25	70-130	
Acetone	200	144	72	2	25	70-130	
Benzene	20.0	20.3	101	0	25	70-130	
Bromobenzene	20.0	19.8	99	0	25	70-130	
Chlorobromomethane	20.0	22.2	111	2	25	70-130	
Dichlorobromomethane	20.0	20.1	101	2	25	70-130	
Bromoform	20.0	16.7	84	6	25	70-130	
Bromomethane	20.0	24.6	123	19	25	70-130	
n-Butylbenzene	20.0	16.8	84	3	25	70-130	
Carbon disulfide	20.0	18.7	93	0	25	70-130	
Carbon tetrachloride	20.0	23.6	118	0	25	70-130	
Chlorobenzene	20.0	20.9	105	0	25	70-130	
Chloroethane	20.0	20.2	101	14	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: V06973.D

Lab ID: LCSD 360-49119/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	20.0	20.1	100	0	25	70-130	
Chloromethane	20.0	18.4	92	8	25	70-130	
cis-1,2-Dichloroethene	20.0	20.2	101	2	25	70-130	
cis-1,3-Dichloropropene	20.0	22.1	111	1	25	70-130	
Cyclohexane	20.0	19.2	96	1	25	70-130	
Chlorodibromomethane	20.0	21.1	105	0	25	70-130	
Dibromomethane	20.0	19.2	96	0	25	70-130	
Dichlorodifluoromethane	20.0	13.4	67	1	25	70-130	*
Ethyl ether	20.0	18.9	94	3	25	70-130	
Isopropyl ether	20.0	19.2	96	3	25	70-130	
Tert-butyl ethyl ether	20.0	21.0	105	2	25	70-130	
Ethylbenzene	20.0	20.7	103	0	25	70-130	
Hexachlorobutadiene	20.0	20.8	104	3	25	70-130	
Isopropylbenzene	20.0	18.6	93	1	25	70-130	
Methyl acetate	200	159	80	1	25	70-130	
2-Butanone (MEK)	200	129	65	0	25	70-130	*
4-Methyl-2-pentanone (MIBK)	200	155	78	0	25	70-130	
Methyl tert-butyl ether	20.0	22.5	112	2	25	70-130	
Methylcyclohexane	20.0	21.4	107	1	25	70-130	
Methylene Chloride	20.0	20.1	100	0	25	70-130	
m-Xylene & p-Xylene	40.0	40.2	100	1	25	70-130	
Naphthalene	20.0	15.1	75	2	25	70-130	
N-Propylbenzene	20.0	18.8	94	2	25	70-130	
o-Xylene	20.0	17.6	88	0	25	70-130	
4-Isopropyltoluene	20.0	19.8	99	2	25	70-130	
sec-Butylbenzene	20.0	19.6	98	3	25	70-130	
Styrene	20.0	19.1	95	1	25	70-130	
Tert-amyl methyl ether	20.0	23.1	116	3	25	70-130	
tert-Butylbenzene	20.0	19.1	96	3	25	70-130	
Tetrachloroethene	20.0	23.6	118	0	25	70-130	
Tetrahydrofuran	200	149	75	2	25	70-130	
Toluene	20.0	21.3	107	1	25	70-130	
trans-1,2-Dichloroethene	20.0	19.4	97	0	25	70-130	
trans-1,3-Dichloropropene	20.0	22.9	114	2	25	70-130	
Trichloroethene	20.0	20.0	100	0	25	70-130	
Trichlorofluoromethane	20.0	23.2	116	3	25	70-130	
Vinyl chloride	20.0	18.6	93	2	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45139.D

Lab ID: LCSD 360-49178/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	100	92.9	93	2	25	70-130	
1,1,1,2-Tetrachloroethane	100	99.8	100	2	25	70-130	
1,1,2,2-Tetrachloroethane	100	86.9	87	2	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	92.5	93	3	25	70-130	
1,1,2-Trichloroethane	100	92.9	93	4	25	70-130	
1,1-Dichloroethane	100	99.2	99	1	25	70-130	
1,1-Dichloroethene	100	98.5	99	1	25	70-130	
1,1-Dichloropropene	100	95.1	95	0	25	70-130	
1,2,3-Trichlorobenzene	100	109	109	6	25	70-130	
1,2,3-Trichloropropane	100	108	108	3	25	70-130	
1,2,4-Trichlorobenzene	100	107	107	4	25	70-130	
1,2,4-Trimethylbenzene	100	97.2	97	1	25	70-130	
1,2-Dibromo-3-Chloropropane	100	92.2	92	3	25	70-130	
Ethylene Dibromide	100	92.5	92	5	25	70-130	
1,2-Dichlorobenzene	100	95.6	96	0	25	70-130	
1,2-Dichloroethane	100	93.9	94	2	25	70-130	
1,2-Dichloropropane	100	105	105	1	25	70-130	
1,3,5-Trimethylbenzene	100	100	100	2	25	70-130	
1,3-Dichlorobenzene	100	97.9	98	2	25	70-130	
1,3-Dichloropropane	100	89.6	90	4	25	70-130	
1,4-Dichlorobenzene	100	94.6	95	0	25	70-130	
1,4-Dioxane	1000	1110	111	5	25	70-130	
2,2-Dichloropropane	100	104	104	4	25	70-130	
2,4,4-Trimethyl-1-pentene	100	107	107	4	25	70-130	
2,4,4-Trimethyl-2-pentene	100	99.4	99	0	25	70-130	
2-Chlorotoluene	100	95.5	95	1	25	70-130	
2-Hexanone	1000	824	82	6	25	70-130	
4-Chlorotoluene	100	96.3	96	0	25	70-130	
Acetone	1000	972	97	2	25	70-130	
Benzene	100	95.7	96	1	25	70-130	
Bromobenzene	100	91.1	91	1	25	70-130	
Chlorobromomethane	100	93.2	93	0	25	70-130	
Dichlorobromomethane	100	92.6	93	4	25	70-130	
Bromoform	100	81.9	82	5	25	70-130	
Bromomethane	100	102	102	5	25	70-130	
n-Butylbenzene	100	99.9	100	2	25	70-130	
Carbon disulfide	100	92.2	92	2	25	70-130	
Carbon tetrachloride	100	94.2	94	2	25	70-130	
Chlorobenzene	100	97.4	97	2	25	70-130	
Chloroethane	100	94.0	94	3	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45139.D

Lab ID: LCSD 360-49178/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	98.6	99	2	25	70-130	
Chloromethane	100	89.9	90	5	25	70-130	
cis-1,2-Dichloroethene	100	94.3	94	2	25	70-130	
cis-1,3-Dichloropropene	100	90.1	90	5	25	70-130	
Cyclohexane	100	94.1	94	3	25	70-130	
Chlorodibromomethane	100	86.6	87	3	25	70-130	
Dibromomethane	100	93.2	93	3	25	70-130	
Dichlorodifluoromethane	100	60.3	60	0	25	70-130	*
Ethyl ether	100	104	104	1	25	70-130	
Isopropyl ether	100	93.1	93	0	25	70-130	
Tert-butyl ethyl ether	100	94.8	95	1	25	70-130	
Ethylbenzene	100	102	102	0	25	70-130	
Hexachlorobutadiene	100	101	101	2	25	70-130	
Isopropylbenzene	100	100	100	1	25	70-130	
Methyl acetate	1000	1390	139	3	25	70-130	*
2-Butanone (MEK)	1000	887	89	4	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	879	88	4	25	70-130	
Methyl tert-butyl ether	100	92.3	92	0	25	70-130	
Methylcyclohexane	100	98.3	98	3	25	70-130	
Methylene Chloride	100	103	103	0	25	70-130	
m-Xylene & p-Xylene	200	191	95	1	25	70-130	
Naphthalene	100	96.9	97	4	25	70-130	
N-Propylbenzene	100	97.5	98	0	25	70-130	
o-Xylene	100	96.6	97	0	25	70-130	
4-Isopropyltoluene	100	105	105	3	25	70-130	
sec-Butylbenzene	100	101	101	2	25	70-130	
Styrene	100	95.7	96	0	25	70-130	
Tert-amyl methyl ether	100	97.0	97	1	25	70-130	
tert-Butylbenzene	100	102	102	1	25	70-130	
Tetrachloroethene	100	99.8	100	3	25	70-130	
Tetrahydrofuran	1000	1060	106	4	25	70-130	
Toluene	100	97.8	98	2	25	70-130	
trans-1,2-Dichloroethene	100	89.9	90	2	25	70-130	
trans-1,3-Dichloropropene	100	89.6	90	5	25	70-130	
Trichloroethene	100	99.6	100	3	25	70-130	
Trichlorofluoromethane	100	93.1	93	3	25	70-130	
Vinyl chloride	100	92.1	92	4	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45140.D

Lab ID: 360-24582-22 MS Client ID: OC-SS-416-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	105	ND	99.8	95	70-130	
1,1,1-Trichloroethane	105	ND	96.4	92	70-130	
1,1,2,2-Tetrachloroethane	105	ND	92.4	88	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	105	ND	94.8	90	70-130	
1,1,2-Trichloroethane	105	ND	98.7	94	70-130	
1,1-Dichloroethane	105	ND	103	98	70-130	
1,1-Dichloroethene	105	ND	102	97	70-130	
1,1-Dichloropropene	105	ND	96.5	92	70-130	
1,2,3-Trichlorobenzene	105	ND	66.6	63	70-130	F
1,2,3-Trichloropropane	105	ND	106	100	70-130	
1,2,4-Trichlorobenzene	105	ND	66.2	63	70-130	F
1,2,4-Trimethylbenzene	105	ND	83.5	79	70-130	
1,2-Dibromo-3-Chloropropane	105	ND	90.7	86	70-130	
Ethylene Dibromide	105	ND	97.4	93	70-130	
1,2-Dichlorobenzene	105	ND	83.1	79	70-130	
1,2-Dichloroethane	105	ND	99.6	95	70-130	
Acetone	1050	ND	1050	99	70-130	
1,2-Dichloropropane	105	ND	109	104	70-130	
1,3,5-Trimethylbenzene	105	ND	87.2	83	70-130	
1,3-Dichlorobenzene	105	ND	75.8	72	70-130	
1,3-Dichloropropane	105	ND	95.6	91	70-130	
1,4-Dichlorobenzene	105	ND	81.1	77	70-130	
1,4-Dioxane	1050	ND	1200	114	70-130	
2,2-Dichloropropane	105	ND	109	103	70-130	
2,4,4-Trimethyl-1-pentene	105	ND	92.3	88	70-130	
2,4,4-Trimethyl-2-pentene	105	ND	90.9	86	70-130	
2-Chlorotoluene	105	ND	83.1	79	70-130	
2-Hexanone	1050	ND	884	84	70-130	
4-Chlorotoluene	105	ND	81.2	77	70-130	
Benzene	105	ND	99.3	94	70-130	
Bromobenzene	105	ND	81.8	78	70-130	
Chlorobromomethane	105	ND	95.9	91	70-130	
Dichlorobromomethane	105	ND	97.1	92	70-130	
Bromoform	105	ND	89.3	85	70-130	
Bromomethane	105	ND	106	101	70-130	
n-Butylbenzene	105	ND	75.3	72	70-130	
Carbon disulfide	105	ND	90.2	86	70-130	
Carbon tetrachloride	105	ND	96.2	91	70-130	
Chlorobenzene	105	ND	94.9	90	70-130	
Chloroethane	105	ND	99.0	94	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45140.D

Lab ID: 360-24582-22 MS Client ID: OC-SS-416-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chloroform	105	ND	102	97	70-130	
Chloromethane	105	ND	93.9	89	70-130	
cis-1,2-Dichloroethene	105	ND	96.3	91	70-130	
cis-1,3-Dichloropropene	105	ND	95.0	90	70-130	
Cyclohexane	105	ND	91.2	87	70-130	
Chlorodibromomethane	105	ND	89.5	85	70-130	
Dibromomethane	105	ND	96.6	92	70-130	
Dichlorodifluoromethane	105	ND	64.8	62	70-130	F
Ethyl ether	105	ND	108	103	70-130	
Isopropyl ether	105	ND	96.7	92	70-130	
Tert-butyl ethyl ether	105	ND	99.1	94	70-130	
Ethylbenzene	105	ND	98.5	94	70-130	
Hexachlorobutadiene	105	ND	55.1	52	70-130	F
Isopropylbenzene	105	ND	91.8	87	70-130	
Methyl acetate	1050	ND	1510	143	70-130	F
2-Butanone (MEK)	1050	ND	969	92	70-130	
4-Methyl-2-pentanone (MIBK)	1050	ND	909	86	70-130	
Methyl tert-butyl ether	105	ND	95.4	91	70-130	
Methylcyclohexane	105	ND	87.9	84	70-130	
Methylene Chloride	105	ND	103	98	70-130	
m-Xylene & p-Xylene	210	ND	184	87	70-130	
Naphthalene	105	ND	71.5	68	70-130	F
N-Propylbenzene	105	ND	84.5	80	70-130	
o-Xylene	105	ND	91.5	87	70-130	
4-Isopropyltoluene	105	ND	83.1	79	70-130	
sec-Butylbenzene	105	ND	82.3	78	70-130	
Styrene	105	ND	87.9	84	70-130	
Tert-amyl methyl ether	105	ND	99.6	95	70-130	
tert-Butylbenzene	105	ND	90.4	86	70-130	
Tetrachloroethene	105	ND	97.4	93	70-130	
Tetrahydrofuran	1050	ND	1120	106	70-130	
Toluene	105	ND	101	96	70-130	
trans-1,2-Dichloroethene	105	ND	90.5	86	70-130	
trans-1,3-Dichloropropene	105	ND	94.5	90	70-130	
Trichloroethene	105	ND	101	96	70-130	
Trichlorofluoromethane	105	ND	99.0	94	70-130	
Vinyl chloride	105	ND	94.4	90	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45141.D

Lab ID: 360-24582-22 MSD Client ID: OC-SS-416-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	109	104	95	4	30	70-130	
1,1,1-Trichloroethane	109	99.5	91	3	30	70-130	
1,1,2,2-Tetrachloroethane	109	95.7	87	4	30	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	109	98.3	90	4	30	70-130	
1,1,2-Trichloroethane	109	97.0	89	2	30	70-130	
1,1-Dichloroethane	109	108	98	5	30	70-130	
1,1-Dichloroethene	109	107	98	5	30	70-130	
1,1-Dichloropropene	109	98.1	90	2	30	70-130	
1,2,3-Trichlorobenzene	109	60.2	55	10	30	70-130	F
1,2,3-Trichloropropane	109	110	100	4	30	70-130	
1,2,4-Trichlorobenzene	109	59.3	54	11	30	70-130	F
1,2,4-Trimethylbenzene	109	86.5	79	4	30	70-130	
1,2-Dibromo-3-Chloropropane	109	90.8	83	0	30	70-130	
Ethylene Dibromide	109	95.9	88	1	30	70-130	
1,2-Dichlorobenzene	109	81.0	74	3	30	70-130	
1,2-Dichloroethane	109	102	93	2	30	70-130	
Acetone	1090	953	87	9	30	70-130	
1,2-Dichloropropane	109	111	102	2	30	70-130	
1,3,5-Trimethylbenzene	109	90.7	83	4	30	70-130	
1,3-Dichlorobenzene	109	76.3	70	1	30	70-130	
1,3-Dichloropropane	109	93.7	86	2	30	70-130	
1,4-Dichlorobenzene	109	79.0	72	3	30	70-130	
1,4-Dioxane	1090	1200	109	0	30	70-130	
2,2-Dichloropropane	109	118	108	8	30	70-130	
2,4,4-Trimethyl-1-pentene	109	94.5	86	2	30	70-130	
2,4,4-Trimethyl-2-pentene	109	91.3	83	0	30	70-130	
2-Chlorotoluene	109	85.2	78	2	30	70-130	
2-Hexanone	1090	870	79	2	30	70-130	
4-Chlorotoluene	109	82.3	75	1	30	70-130	
Benzene	109	102	93	3	30	70-130	
Bromobenzene	109	84.1	77	3	30	70-130	
Chlorobromomethane	109	100	92	4	30	70-130	
Dichlorobromomethane	109	96.1	88	1	30	70-130	
Bromoform	109	89.3	82	0	30	70-130	
Bromomethane	109	114	105	8	30	70-130	
n-Butylbenzene	109	71.3	65	5	30	70-130	F
Carbon disulfide	109	93.5	85	4	30	70-130	
Carbon tetrachloride	109	99.1	91	3	30	70-130	
Chlorobenzene	109	95.4	87	1	30	70-130	
Chloroethane	109	105	96	6	30	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: V45141.D

Lab ID: 360-24582-22 MSD Client ID: OC-SS-416-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	109	104	95	2	30	70-130	
Chloromethane	109	99.8	91	6	30	70-130	
cis-1,2-Dichloroethene	109	100	92	4	30	70-130	
cis-1,3-Dichloropropene	109	93.8	86	1	30	70-130	
Cyclohexane	109	95.3	87	4	30	70-130	
Chlorodibromomethane	109	87.7	80	2	30	70-130	
Dibromomethane	109	98.3	90	2	30	70-130	
Dichlorodifluoromethane	109	68.0	62	5	30	70-130	F
Ethyl ether	109	110	100	1	30	70-130	
Isopropyl ether	109	102	94	6	30	70-130	
Tert-butyl ethyl ether	109	105	96	6	30	70-130	
Ethylbenzene	109	101	92	2	30	70-130	
Hexachlorobutadiene	109	47.7	44	14	30	70-130	F
Isopropylbenzene	109	95.6	87	4	30	70-130	
Methyl acetate	1090	1750	160	15	30	70-130	F
2-Butanone (MEK)	1090	1060	97	9	30	70-130	
4-Methyl-2-pentanone (MIBK)	1090	955	87	5	30	70-130	
Methyl tert-butyl ether	109	101	92	6	30	70-130	
Methylcyclohexane	109	88.7	81	1	30	70-130	
Methylene Chloride	109	110	100	6	30	70-130	
m-Xylene & p-Xylene	219	187	85	2	30	70-130	
Naphthalene	109	70.1	64	2	30	70-130	F
N-Propylbenzene	109	86.6	79	3	30	70-130	
o-Xylene	109	96.0	88	5	30	70-130	
4-Isopropyltoluene	109	85.0	78	2	30	70-130	
sec-Butylbenzene	109	84.4	77	3	30	70-130	
Styrene	109	89.3	82	2	30	70-130	
Tert-amyl methyl ether	109	107	98	7	30	70-130	
tert-Butylbenzene	109	95.2	87	5	30	70-130	
Tetrachloroethene	109	95.1	87	2	30	70-130	
Tetrahydrofuran	1090	1170	107	4	30	70-130	
Toluene	109	100	92	1	30	70-130	
trans-1,2-Dichloroethene	109	93.8	86	4	30	70-130	
trans-1,3-Dichloropropene	109	90.8	83	4	30	70-130	
Trichloroethene	109	103	94	2	30	70-130	
Trichlorofluoromethane	109	105	96	5	30	70-130	
Vinyl chloride	109	100	91	6	30	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45054.D Lab Sample ID: MB 360-49046/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/16/2009 18:58

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49046/1-A	V45049.D	09/16/2009 17:01
	LCSD 360-49046/2-A	V45050.D	09/16/2009 17:25
OC-SB-457-28/30-XXX	360-24582-1	V45058.D	09/16/2009 20:34
OC-TBK-018	360-24582-2	V45059.D	09/16/2009 20:58

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45091.D Lab Sample ID: MB 360-49099/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/17/2009 15:02

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49099/1-A	V45088.D	09/17/2009 13:51
	LCSD 360-49099/2-A	V45089.D	09/17/2009 14:15
OC-SS-400-0.0/1.0-XXX	360-24582-5	V45092.D	09/17/2009 15:26
OC-SS-401-0.1/1.0-XXX	360-24582-6	V45093.D	09/17/2009 16:09
OC-SS-402-0.0/1.0-XXX	360-24582-7	V45094.D	09/17/2009 16:33
OC-SS-404-0.0/1.0-XXX	360-24582-9	V45095.D	09/17/2009 16:57
OC-SS-405-0.0/1.0-XXX	360-24582-10	V45096.D	09/17/2009 17:20
OC-SS-406-0.0/1.0.-XXX	360-24582-11	V45097.D	09/17/2009 17:44
OC-SS-407-0.0/1.0-XXX	360-24582-12	V45098.D	09/17/2009 18:07
OC-SS-408-0.0/1.0-XXX	360-24582-13	V45099.D	09/17/2009 18:30
OC-SS-409-0.0/1.0-XXX	360-24582-14	V45100.D	09/17/2009 18:56
OC-SS-411-0.0/1.0-XXX	360-24582-16	V45101.D	09/17/2009 19:20
OC-SS-412-0.0/1.0-XXX	360-24582-17	V45102.D	09/17/2009 19:45
OC-SS-414-0.0/1.0-XXX	360-24582-19	V45103.D	09/17/2009 20:09
OC-SS-415-0.0/1.0-XXX	360-24582-20	V45104.D	09/17/2009 20:33
OC-SS-416-0.0/1.0-DUP	360-24582-21	V45105.D	09/17/2009 20:57

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V06975.D Lab Sample ID: MB 360-49119/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: Agilent#2 GC/MS Date Analyzed: 09/17/2009 17:49

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49119/3	V06972.D	09/17/2009 16:47
	LCSD 360-49119/4	V06973.D	09/17/2009 17:07
OC-EBK-010	360-24582-4	V06983.D	09/17/2009 20:38

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45143.D Lab Sample ID: MB 360-49178/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/18/2009 18:22

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49178/1-A	V45138.D	09/18/2009 16:23
	LCSD 360-49178/2-A	V45139.D	09/18/2009 16:47
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	V45140.D	09/18/2009 17:11
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	V45141.D	09/18/2009 17:35
OC-SS-416-0.0/1.0-XXX	360-24582-22	V45145.D	09/18/2009 19:11
OC-TBK-019	360-24582-23	V45146.D	09/18/2009 19:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V06680.D BFB Injection Date: 09/03/2009

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 16:33

Analysis Batch No.: 48601

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	55.0	
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	0.5	(0.7)1
174	50.0 - 120.00 % of mass 95	67.6	
175	5.0 - 9.0 % of mass 174	4.9	(7.3)1
176	95.0 - 101.0 % of mass 174	65.1	(96.3)1
177	5.0 - 9.0 % of mass 176	4.2	(6.4)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
	STD03 360-48601/4	V06683.D	09/03/2009	17:36
	STD05 360-48601/5	V06684.D	09/03/2009	17:57
	STD1 360-48601/6	V06685.D	09/03/2009	18:18
	STD5 360-48601/7	V06686.D	09/03/2009	18:38
	STD10 360-48601/8	V06687.D	09/03/2009	18:59
	STD40 360-48601/9	V06688.D	09/03/2009	19:20
	STD80 360-48601/10	V06689.D	09/03/2009	19:41
	STD160 360-48601/11	V06690.D	09/03/2009	20:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V06970.D BFB Injection Date: 09/17/2009

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 16:05

Analysis Batch No.: 49119

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.9	(1.2)1
174	50.0 - 120.00 % of mass 95	80.1	
175	5.0 - 9.0 % of mass 174	5.8	(7.2)1
176	95.0 - 101.0 % of mass 174	76.4	(95.4)1
177	5.0 - 9.0 % of mass 176	5.0	(6.5)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
	CCVIS 360-49119/2	V06971.D	09/17/2009	16:26
	LCS 360-49119/3	V06972.D	09/17/2009	16:47
	LCSD 360-49119/4	V06973.D	09/17/2009	17:07
	MB 360-49119/6	V06975.D	09/17/2009	17:49
OC-EBK-010	360-24582-4	V06983.D	09/17/2009	20:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V44787.D BFB Injection Date: 09/08/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 15:37

Analysis Batch No.: 48701

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	53.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	63.2	
175	5.0 - 9.0 % of mass 174	5.1	(8.0)1
176	95.0 - 101.0 % of mass 174	61.0	(96.4)1
177	5.0 - 9.0 % of mass 176	4.1	(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
	STD20 360-48701/2	V44788.D	09/08/2009	16:02
	STD0005 360-48701/3	V44790.D	09/08/2009	16:50
	STD001 360-48701/4	V44791.D	09/08/2009	17:14
	STD005 360-48701/5	V44792.D	09/08/2009	17:38
	STD010 360-48701/6	V44793.D	09/08/2009	18:02
	STD040 360-48701/7	V44794.D	09/08/2009	18:25
	STD080 360-48701/8	V44795.D	09/08/2009	18:49
	ICV 360-48701/9	V44796.D	09/08/2009	19:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45047.D BFB Injection Date: 09/16/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 16:13

Analysis Batch No.: 49049

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.7	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	69.2	
175	5.0 - 9.0 % of mass 174	5.7	(8.2)1
176	95.0 - 101.0 % of mass 174	67.4	(97.4)1
177	5.0 - 9.0 % of mass 176	4.3	(6.4)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
	CCVIS 360-49049/2	V45048.D	09/16/2009	16:37
	LCS 360-49046/1-A	V45049.D	09/16/2009	17:01
	LCSD 360-49046/2-A	V45050.D	09/16/2009	17:25
	MB 360-49046/3-A	V45054.D	09/16/2009	18:58
OC-SB-457-28/30-XXX	360-24582-1	V45058.D	09/16/2009	20:34
OC-TBK-018	360-24582-2	V45059.D	09/16/2009	20:58

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45086.D BFB Injection Date: 09/17/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 13:02

Analysis Batch No.: 49101

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.6	
75	30.0 - 60.0 % of mass 95	51.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.2	
175	5.0 - 9.0 % of mass 174	5.5	(8.2)1
176	95.0 - 101.0 % of mass 174	64.3	(95.7)1
177	5.0 - 9.0 % of mass 176	4.4	(6.9)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
	CCVIS 360-49101/2	V45087.D	09/17/2009	13:26
	LCS 360-49099/1-A	V45088.D	09/17/2009	13:51
	LCSD 360-49099/2-A	V45089.D	09/17/2009	14:15
	MB 360-49099/3-A	V45091.D	09/17/2009	15:02
OC-SS-400-0.0/1.0-XXX	360-24582-5	V45092.D	09/17/2009	15:26
OC-SS-401-0.1/1.0-XXX	360-24582-6	V45093.D	09/17/2009	16:09
OC-SS-402-0.0/1.0-XXX	360-24582-7	V45094.D	09/17/2009	16:33
OC-SS-404-0.0/1.0-XXX	360-24582-9	V45095.D	09/17/2009	16:57
OC-SS-405-0.0/1.0-XXX	360-24582-10	V45096.D	09/17/2009	17:20
OC-SS-406-0.0/1.0.-XXX	360-24582-11	V45097.D	09/17/2009	17:44
OC-SS-407-0.0/1.0-XXX	360-24582-12	V45098.D	09/17/2009	18:07
OC-SS-408-0.0/1.0-XXX	360-24582-13	V45099.D	09/17/2009	18:30
OC-SS-409-0.0/1.0-XXX	360-24582-14	V45100.D	09/17/2009	18:56
OC-SS-411-0.0/1.0-XXX	360-24582-16	V45101.D	09/17/2009	19:20
OC-SS-412-0.0/1.0-XXX	360-24582-17	V45102.D	09/17/2009	19:45
OC-SS-414-0.0/1.0-XXX	360-24582-19	V45103.D	09/17/2009	20:09
OC-SS-415-0.0/1.0-XXX	360-24582-20	V45104.D	09/17/2009	20:33
OC-SS-416-0.0/1.0-DUP	360-24582-21	V45105.D	09/17/2009	20:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: V45136.D BFB Injection Date: 09/18/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 15:34

Analysis Batch No.: 49180

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.3	
75	30.0 - 60.0 % of mass 95	51.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	63.5	
175	5.0 - 9.0 % of mass 174	5.2	(8.1)1
176	95.0 - 101.0 % of mass 174	61.8	(97.4)1
177	5.0 - 9.0 % of mass 176	4.2	(6.9)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
	CCVIS 360-49180/2	V45137.D	09/18/2009	15:58
	LCS 360-49178/1-A	V45138.D	09/18/2009	16:23
	LCSD 360-49178/2-A	V45139.D	09/18/2009	16:47
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	V45140.D	09/18/2009	17:11
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	V45141.D	09/18/2009	17:35
	MB 360-49178/3-A	V45143.D	09/18/2009	18:22
OC-SS-416-0.0/1.0-XXX	360-24582-22	V45145.D	09/18/2009	19:11
OC-TBK-019	360-24582-23	V45146.D	09/18/2009	19:35

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49119/2 Date Analyzed: 09/17/2009 16:26

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V06971.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		21779	6.15	424773	6.46	229993	9.52
UPPER LIMIT		43558	6.65	849546	6.96	459986	10.02
LOWER LIMIT		10890	5.65	212387	5.96	114997	9.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49119/3		22143	6.15	444926	6.47	236061	9.52
LCSD 360-49119/4		21710	6.15	435809	6.46	233792	9.52
MB 360-49119/6		19305	6.15	349733	6.46	180580	9.52
360-24582-4	OC-EBK-010	17172	6.15	303243	6.47	156881	9.52

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49119/2 Date Analyzed: 09/17/2009 16:26

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V06971.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		109558	11.49				
UPPER LIMIT		219116	11.99				
LOWER LIMIT		54779	10.99				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49119/3		110626	11.49				
LCSD 360-49119/4		109508	11.49				
MB 360-49119/6		67790	11.49				
360-24582-4	OC-EBK-010	63262	11.49				

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49049/2 Date Analyzed: 09/16/2009 16:37

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45048.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		21988	5.64	503882	5.88	313449	8.32
UPPER LIMIT		43976	6.14	1007764	6.38	626898	8.82
LOWER LIMIT		10994	5.14	251941	5.38	156725	7.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49046/1-A		22712	5.65	539079	5.88	336019	8.32
LCSD 360-49046/2-A		13454	5.65	290021	5.87	175653	8.32
MB 360-49046/3-A		16345	5.64	393077	5.87	236974	8.31
360-24582-1	OC-SB-457-28/30-XXX	18709	5.64	448613	5.87	271199	8.31
360-24582-2	OC-TBK-018	19736	5.64	458451	5.87	276114	8.31

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49049/2 Date Analyzed: 09/16/2009 16:37

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45048.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		141734	10.13				
UPPER LIMIT		283468	10.63				
LOWER LIMIT		70867	9.63				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49046/1-A		138167	10.13				
LCSD 360-49046/2-A		84484	10.12				
MB 360-49046/3-A		117976	10.12				
360-24582-1	OC-SB-457-28/30-XXX	124960	10.12				
360-24582-2	OC-TBK-018	123648	10.12				

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49101/2 Date Analyzed: 09/17/2009 13:26

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45087.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		18578	5.65	452876	5.87	273923	8.31
UPPER LIMIT		37156	6.15	905752	6.37	547846	8.81
LOWER LIMIT		9289	5.15	226438	5.37	136962	7.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49099/1-A		24679	5.65	581810	5.88	361040	8.32
LCSD 360-49099/2-A		19649	5.64	463552	5.88	274516	8.32
MB 360-49099/3-A		18225	5.65	425927	5.88	251888	8.31
360-24582-5	OC-SS-400-0.0/1.0-XXX	18974	5.65	427123	5.87	248110	8.32
360-24582-6	OC-SS-401-0.1/1.0-XXX	18572	5.65	460551	5.88	254024	8.33
360-24582-7	OC-SS-402-0.0/1.0-XXX	19714	5.64	435271	5.88	250641	8.32
360-24582-9	OC-SS-404-0.0/1.0-XXX	19538	5.65	419365	5.88	245667	8.32
360-24582-10	OC-SS-405-0.0/1.0-XXX	16864	5.65	394499	5.88	230476	8.32
360-24582-11	OC-SS-406-0.0/1.0. -XXX	17081	5.65	395938	5.87	226176	8.32
360-24582-12	OC-SS-407-0.0/1.0-XXX	17210	5.64	397860	5.87	231684	8.32
360-24582-13	OC-SS-408-0.0/1.0-XXX	16919	5.65	394845	5.88	230272	8.32
360-24582-14	OC-SS-409-0.0/1.0-XXX	24049	5.65	535105	5.88	321554	8.32
360-24582-16	OC-SS-411-0.0/1.0-XXX	16822	5.65	392784	5.88	228511	8.32
360-24582-17	OC-SS-412-0.0/1.0-XXX	20115	5.65	459145	5.89	277919	8.32
360-24582-19	OC-SS-414-0.0/1.0-XXX	18047	5.66	417552	5.88	251095	8.32
360-24582-20	OC-SS-415-0.0/1.0-XXX	20181	5.65	424990	5.88	235075	8.32
360-24582-21	OC-SS-416-0.0/1.0-DUP	20984	5.65	470647	5.88	282123	8.32

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49101/2 Date Analyzed: 09/17/2009 13:26

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45087.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		123204	10.12				
UPPER LIMIT		246408	10.62				
LOWER LIMIT		61602	9.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49099/1-A		150558	10.12				
LCSD 360-49099/2-A		132959	10.13				
MB 360-49099/3-A		126147	10.12				
360-24582-5	OC-SS-400-0.0/1.0-XXX	114941	10.13				
360-24582-6	OC-SS-401-0.1/1.0-XXX	107792	10.14				
360-24582-7	OC-SS-402-0.0/1.0-XXX	107858	10.13				
360-24582-9	OC-SS-404-0.0/1.0-XXX	114532	10.13				
360-24582-10	OC-SS-405-0.0/1.0-XXX	109558	10.13				
360-24582-11	OC-SS-406-0.0/1.0. -XXX	105447	10.13				
360-24582-12	OC-SS-407-0.0/1.0-XXX	109921	10.13				
360-24582-13	OC-SS-408-0.0/1.0-XXX	108309	10.13				
360-24582-14	OC-SS-409-0.0/1.0-XXX	130146	10.13				
360-24582-16	OC-SS-411-0.0/1.0-XXX	109276	10.13				
360-24582-17	OC-SS-412-0.0/1.0-XXX	125126	10.13				
360-24582-19	OC-SS-414-0.0/1.0-XXX	124793	10.13				
360-24582-20	OC-SS-415-0.0/1.0-XXX	92185	10.13				
360-24582-21	OC-SS-416-0.0/1.0-DUP	128467	10.13				

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49180/2 Date Analyzed: 09/18/2009 15:58

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45137.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		22921	5.68	547408	5.90	344477	8.34
UPPER LIMIT		45842	6.18	1094816	6.40	688954	8.84
LOWER LIMIT		11461	5.18	273704	5.40	172239	7.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49178/1-A		21977	5.68	499926	5.90	301882	8.34
LCSD 360-49178/2-A		21253	5.67	482488	5.90	289352	8.34
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	22634	5.68	508987	5.90	308363	8.34
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	21294	5.67	488059	5.89	288576	8.33
MB 360-49178/3-A		19472	5.66	445199	5.89	269149	8.33
360-24582-22	OC-SS-416-0.0/1.0-XXX	22942	5.67	527166	5.89	321775	8.33
360-24582-23	OC-TBK-019	18446	5.67	427161	5.89	255185	8.33

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCVIS 360-49180/2 Date Analyzed: 09/18/2009 15:58

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45137.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		140268	10.15				
UPPER LIMIT		280536	10.65				
LOWER LIMIT		70134	9.65				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-49178/1-A		142334	10.14				
LCSD 360-49178/2-A		137327	10.14				
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	133697	10.14				
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	128905	10.14				
MB 360-49178/3-A		126670	10.14				
360-24582-22	OC-SS-416-0.0/1.0-XXX	132734	10.14				
360-24582-23	OC-TBK-019	126370	10.14				

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: V45058.D

Analysis Method: 8260B | Date Collected: 09/14/2009 11:30

Sample wt/vol: 7.74(g) | Date Analyzed: 09/16/2009 20:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.1	0.83
71-55-6	1,1,1-Trichloroethane	ND		2.1	0.83
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.1	0.83
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83
79-00-5	1,1,2-Trichloroethane	ND		2.1	0.83
75-34-3	1,1-Dichloroethane	ND		2.1	0.83
75-35-4	1,1-Dichloroethene	ND		2.1	0.83
563-58-6	1,1-Dichloropropene	ND		2.1	0.83
87-61-6	1,2,3-Trichlorobenzene	ND		2.1	0.83
96-18-4	1,2,3-Trichloropropane	ND		2.1	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.1	0.83
95-63-6	1,2,4-Trimethylbenzene	ND		2.1	0.83
96-12-8	1,2-Dibromo-3-Chloropropane	ND		21	1.5
106-93-4	Ethylene Dibromide	ND		2.1	0.83
95-50-1	1,2-Dichlorobenzene	ND		2.1	0.83
107-06-2	1,2-Dichloroethane	ND		2.1	0.83
67-64-1	Acetone	ND		210	15
78-87-5	1,2-Dichloropropane	ND		2.1	0.83
108-67-8	1,3,5-Trimethylbenzene	ND		2.1	0.83
541-73-1	1,3-Dichlorobenzene	ND		2.1	0.83
142-28-9	1,3-Dichloropropane	ND		2.1	0.83
106-46-7	1,4-Dichlorobenzene	ND		2.1	0.83
123-91-1	1,4-Dioxane	ND		210	27
594-20-7	2,2-Dichloropropane	ND	*	2.1	0.83
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.1	0.83
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.1	0.83
95-49-8	2-Chlorotoluene	ND		2.1	0.83
591-78-6	2-Hexanone	ND		21	4.3
106-43-4	4-Chlorotoluene	ND		2.1	0.83
71-43-2	Benzene	ND		2.1	0.83
108-86-1	Bromobenzene	ND		2.1	0.83
74-97-5	Chlorobromomethane	ND		2.1	0.83
75-27-4	Dichlorobromomethane	ND		2.1	0.83
75-25-2	Bromoform	ND		2.1	0.83
74-83-9	Bromomethane	ND		4.1	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: V45058.D

Analysis Method: 8260B | Date Collected: 09/14/2009 11:30

Sample wt/vol: 7.74(g) | Date Analyzed: 09/16/2009 20:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.1	0.83
75-15-0	Carbon disulfide	ND		2.1	0.83
56-23-5	Carbon tetrachloride	ND		2.1	0.83
108-90-7	Chlorobenzene	ND		2.1	0.83
75-00-3	Chloroethane	ND		4.1	0.83
67-66-3	Chloroform	ND		2.1	0.83
74-87-3	Chloromethane	ND		4.1	0.83
156-59-2	cis-1,2-Dichloroethene	ND		2.1	0.83
10061-01-5	cis-1,3-Dichloropropene	ND		2.1	0.83
110-82-7	Cyclohexane	ND		21	2.1
124-48-1	Chlorodibromomethane	ND		2.1	0.83
74-95-3	Dibromomethane	ND		2.1	0.83
75-71-8	Dichlorodifluoromethane	ND	*	4.1	0.83
60-29-7	Ethyl ether	ND		2.1	0.83
108-20-3	Isopropyl ether	ND		2.1	0.83
637-92-3	Tert-butyl ethyl ether	ND		2.1	2.1
100-41-4	Ethylbenzene	ND		2.1	0.83
87-68-3	Hexachlorobutadiene	ND		2.1	0.83
98-82-8	Isopropylbenzene	ND		2.1	0.83
79-20-9	Methyl acetate	ND		41	13
78-93-3	2-Butanone (MEK)	ND		21	5.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		21	4.3
1634-04-4	Methyl tert-butyl ether	ND		2.1	0.83
108-87-2	Methylcyclohexane	ND		2.1	0.83
75-09-2	Methylene Chloride	ND		8.3	4.0
136777-61-2	m-Xylene & p-Xylene	ND		4.1	0.83
91-20-3	Naphthalene	ND		21	0.83
103-65-1	N-Propylbenzene	ND		2.1	0.83
95-47-6	o-Xylene	ND		2.1	0.83
99-87-6	4-Isopropyltoluene	ND		2.1	0.83
135-98-8	sec-Butylbenzene	ND		2.1	0.83
100-42-5	Styrene	ND		2.1	0.83
994-05-8	Tert-amyl methyl ether	ND		2.1	0.83
98-06-6	tert-Butylbenzene	ND		2.1	0.83
127-18-4	Tetrachloroethene	ND		2.1	0.83
109-99-9	Tetrahydrofuran	ND		21	4.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: V45058.D

Analysis Method: 8260B | Date Collected: 09/14/2009 11:30

Sample wt/vol: 7.74(g) | Date Analyzed: 09/16/2009 20:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.1	0.83
156-60-5	trans-1,2-Dichloroethene	ND		2.1	0.83
10061-02-6	trans-1,3-Dichloropropene	ND		2.1	0.83
79-01-6	Trichloroethene	ND		2.1	0.83
75-69-4	Trichlorofluoromethane	ND		4.1	0.83
75-01-4	Vinyl chloride	ND		2.1	0.83

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	98	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX Lab Sample ID: 360-24582-1

Matrix: Solid Lab File ID: V45058.D

Analysis Method: 8260B Date Collected: 09/14/2009 11:30

Sample wt/vol: 7.74(g) Date Analyzed: 09/16/2009 20:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 Level: (low/med) Low

Analysis Batch No.: 49049 Units: ug/Kg

Number TICs Found: 2 TIC Result Total: 13.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
115-11-7	1-Propene, 2-methyl-	1.85	10	T J N
	Unknown	10.36	3.1	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45058.D		
Lims ID:	360-24582-C-1-A	Client ID:	OC-SB-457-28/30-XXX
Inject. Date:	16-Sep-2009 20:34:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-1-A		
Misc. Info.:	360-0001195-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49049	Lims Sample ID:	10
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 10:14:04
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:24:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				7
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.264				1
5 Chloroethane	64		2.404				1
6 Trichlorofluoromethane	101		2.538				1
7 Ethyl ether	59		2.859				1
8 1,1-Dichloroethene	96		3.050				1
10 Carbon disulfide	76		3.065				7
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.127				1
14 Methylene Chloride	84		3.618				7
15 Acetone	43	3.675	3.675	0.000	7191	1.48	
16 trans-1,2-Dichloroethene	61		3.768				1
17 Methyl acetate	43		3.789				1
19 Methyl tert-butyl ether	73		3.877				1
21 Isopropyl ether	45		4.218				1
22 1,1-Dichloroethane	63		4.332				1
24 Tert-butyl ethyl ether	59		4.543				1
26 cis-1,2-Dichloroethene	61		4.802				1
27 2,2-Dichloropropane	77		4.900				1
28 Cyclohexane	56		4.972				1
29 Chlorobromomethane	130		4.972				1
30 Chloroform	83		5.034				1
32 Carbon tetrachloride	117		5.153				1
33 Tetrahydrofuran	42		5.169				
$ 35 Dibromofluoromethane	113	5.184	5.195	-0.011	102316	19.6	
36 1,1,1-Trichloroethane	97		5.215				1
37 2-Butanone (MEK)	43		5.308				
38 1,1-Dichloropropene	75		5.319				1
40 Benzene	78		5.530				7

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
41 Tert-amyl methyl ether	73		5.623				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.639	5.644	-0.005	18709	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.867	5.877	-0.010	448613	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.897				
47 Methylcyclohexane	83		6.001				1
48 Trichloroethene	95		6.006				1
49 2,4,4-Trimethyl-2-pentene	112		6.037				1
50 Dibromomethane	93		6.352				1
51 1,2-Dichloropropane	63		6.435				1
52 Dichlorobromomethane	83		6.476				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.977				1
$ 58 Toluene-d8 (Surr)	98	7.112	7.122	-0.010	406801	20.4	
59 Toluene	92		7.163				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.458				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.608				1
65 Chlorodibromomethane	129		7.742				1
66 1,3-Dichloropropane	76		7.820				1
67 Ethylene Dibromide	107		7.934				1
69 2-Hexanone	43		8.094				1
* 70 Chlorobenzene-d5	117	8.311	8.316	-0.005	271199	20.0	
71 Chlorobenzene	112		8.331				47
72 Ethylbenzene	91		8.347				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.455				1
75 o-Xylene	91		8.786				1
76 Styrene	104		8.828				1
77 Bromoform	173		8.853				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.246	9.251	-0.005	151289	19.5	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.344				1
83 1,1,2,2-Tetrachloroethane	83		9.401				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.494				1
86 1,2,3-Trichloropropane	110		9.515				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.747				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.887				1
92 4-Isopropyltoluene	119		9.995				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.125	-0.005	124960	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.492				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.016				1
101 1,2,4-Trichlorobenzene	180		12.063				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
102 Naphthalene	128		12.528				1
103 1,2,3-Trichlorobenzene	180		12.802				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: 17-Sep-2009 10:24:22 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45058.D		
Lims ID:	360-24582-C-1-A	Client ID:	OC-SB-457-28/30-XXX
Inject. Date:	16-Sep-2009 20:34:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-1-A		
Misc. Info.:	360-0001195-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49049	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:14:04
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:24:22

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
115-11-7	1-Propene, 2-methyl-					
1.846	37231	2.42	42	86	108463	
	Unknown					
10.357	35493	0.7409	94			

Quantitation Compounds

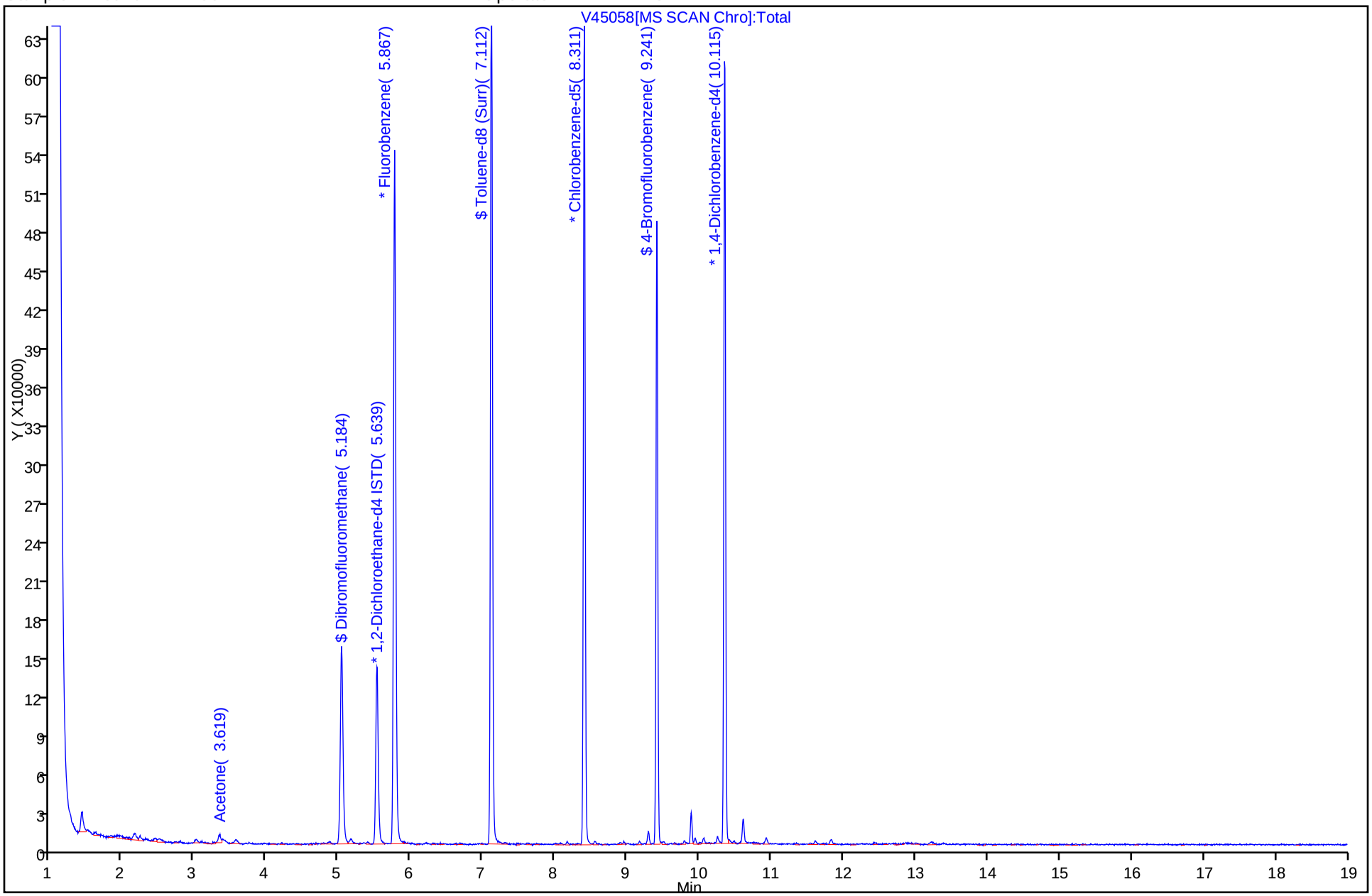
Compound	RT	Response	Amount ug/L
* 42 1,2-Dichloroethane-d4 IST	5.639	307425	20.0
* 94 1,4-Dichlorobenzene-d4	10.115	958089	20.0

QC Flag Legend

Processing Flags

Report Date: 17-Sep-2009 10:24:22 Chrom Revision: 1.0.2009.910

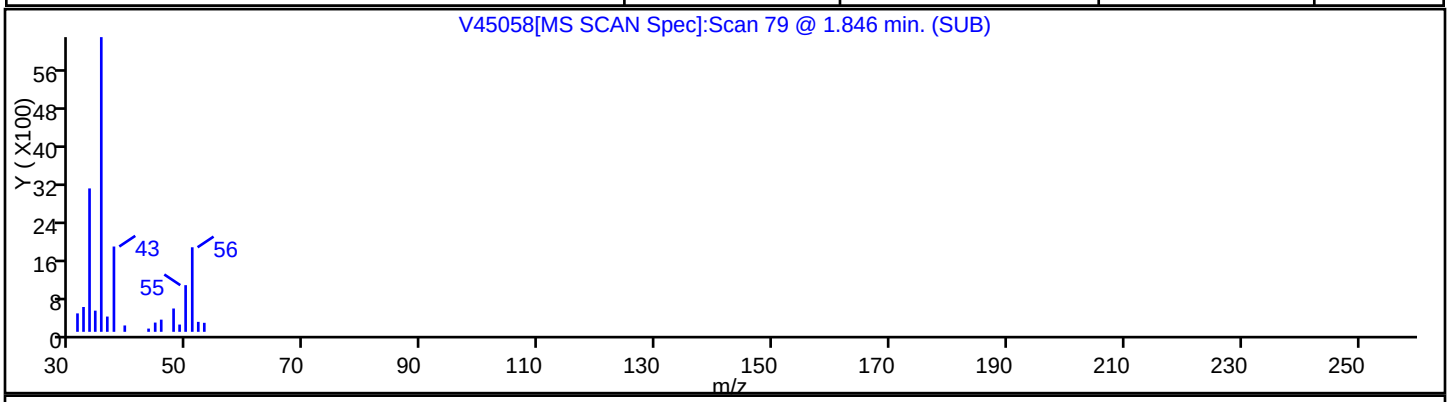
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45058.D		
Inj Date:	16-Sep-2009 20:34:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	10
Client ID:	OC-SB-457-28/30-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-1-A		
Sample Amount:	1.00	Operator:	CR

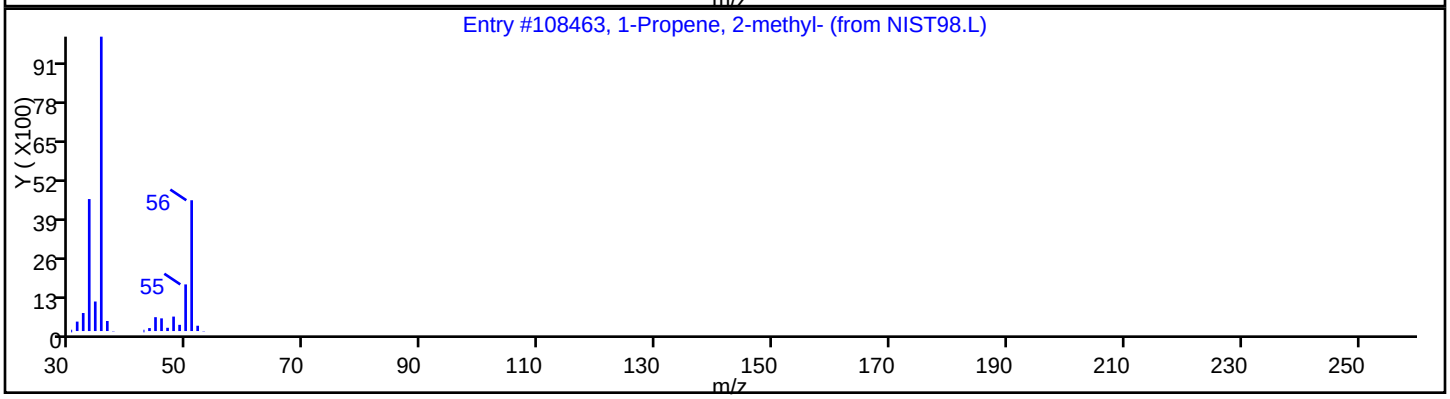


Report Date: 17-Sep-2009 10:24:23 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45058.D		
Inj Date:	16-Sep-2009 20:34:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	10
Client ID:	OC-SB-457-28/30-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-1-A		
Sample Amount:	1.00	Operator:	CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Propene, 2-methyl-	115-11-7	NIST98.L	108463	86

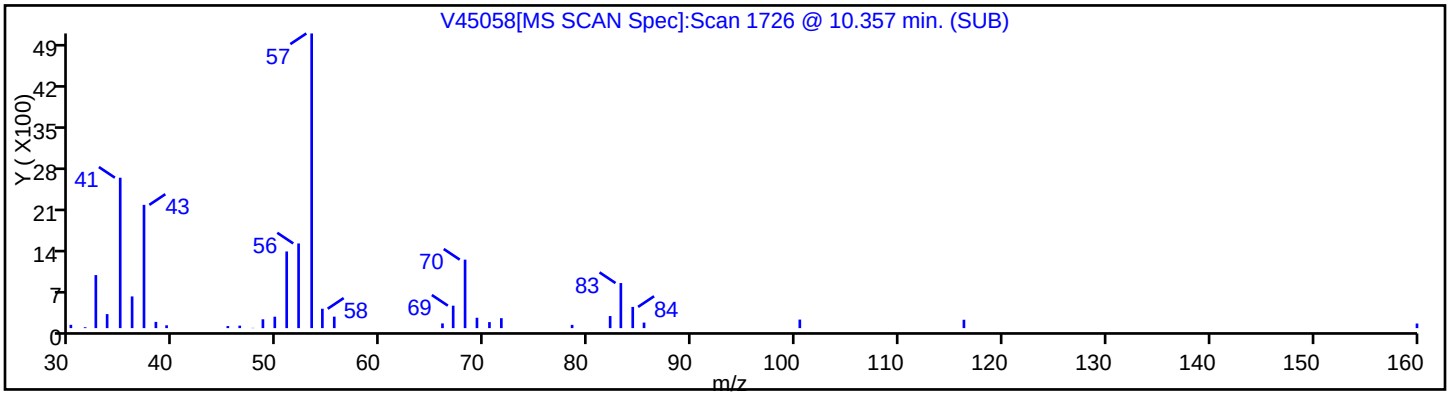




Report Date: 17-Sep-2009 10:24:23 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45058.D		
Inj Date:	16-Sep-2009 20:34:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	10
Client ID:	OC-SB-457-28/30-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-1-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-018 | Lab Sample ID: 360-24582-2

Matrix: Solid | Lab File ID: V45059.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:15

Sample wt/vol: 5.0(g) | Date Analyzed: 09/16/2009 20:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND	*	2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-018 | Lab Sample ID: 360-24582-2

Matrix: Solid | Lab File ID: V45059.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:15

Sample wt/vol: 5.0(g) | Date Analyzed: 09/16/2009 20:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-018 | Lab Sample ID: 360-24582-2

Matrix: Solid | Lab File ID: V45059.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:15

Sample wt/vol: 5.0(g) | Date Analyzed: 09/16/2009 20:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-018 Lab Sample ID: 360-24582-2

Matrix: Solid Lab File ID: V45059.D

Analysis Method: 8260B Date Collected: 09/14/2009 14:15

Sample wt/vol: 5.0(g) Date Analyzed: 09/16/2009 20:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49049 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.61	5.0	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45059.D		
Lims ID:	360-24582-B-2-A	Client ID:	OC-TBK-018
Inject. Date:	16-Sep-2009 20:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-B-2-A		
Misc. Info.:	360-0001195-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49049	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 10:14:51
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:24:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.264				1
5 Chloroethane	64		2.404				1
6 Trichlorofluoromethane	101		2.538				1
7 Ethyl ether	59		2.859				1
8 1,1-Dichloroethene	96		3.050				1
10 Carbon disulfide	76		3.065				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.127				1
14 Methylene Chloride	84		3.618				7
15 Acetone	43		3.675				7
16 trans-1,2-Dichloroethene	61		3.768				1
17 Methyl acetate	43		3.789				1
19 Methyl tert-butyl ether	73		3.877				1
21 Isopropyl ether	45		4.218				1
22 1,1-Dichloroethane	63		4.332				1
24 Tert-butyl ethyl ether	59		4.543				1
26 cis-1,2-Dichloroethene	61		4.802				1
27 2,2-Dichloropropane	77		4.900				1
28 Cyclohexane	56		4.972				1
29 Chlorobromomethane	130		4.972				1
30 Chloroform	83		5.034				1
32 Carbon tetrachloride	117		5.153				1
33 Tetrahydrofuran	42		5.169				
$ 35 Dibromofluoromethane	113	5.185	5.195	-0.010	105362	19.7	
36 1,1,1-Trichloroethane	97		5.215				1
37 2-Butanone (MEK)	43		5.308				
38 1,1-Dichloropropene	75		5.319				1
40 Benzene	78		5.530				79

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
41 Tert-amyl methyl ether	73		5.623				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.640	5.644	-0.004	19736	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.867	5.877	-0.010	458451	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.897				
47 Methylcyclohexane	83		6.001				1
48 Trichloroethene	95		6.006				1
49 2,4,4-Trimethyl-2-pentene	112		6.037				1
50 Dibromomethane	93		6.352				1
51 1,2-Dichloropropane	63		6.435				1
52 Dichlorobromomethane	83		6.476				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.977				1
$ 58 Toluene-d8 (Surr)	98	7.118	7.122	-0.004	415272	20.4	
59 Toluene	92		7.163				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.458				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.608				1
65 Chlorodibromomethane	129		7.742				1
66 1,3-Dichloropropane	76		7.820				1
67 Ethylene Dibromide	107		7.934				1
69 2-Hexanone	43		8.094				1
* 70 Chlorobenzene-d5	117	8.311	8.316	-0.005	276114	20.0	
71 Chlorobenzene	112		8.331				479
72 Ethylbenzene	91		8.347				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.455				1
75 o-Xylene	91		8.786				1
76 Styrene	104		8.828				1
77 Bromoform	173		8.853				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.242	9.251	-0.009	153033	19.3	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.344				1
83 1,1,2,2-Tetrachloroethane	83		9.401				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.494				1
86 1,2,3-Trichloropropane	110		9.515				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.747				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.887				1
92 4-Isopropyltoluene	119		9.995				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.125	-0.005	123648	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.492				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.016				1
101 1,2,4-Trichlorobenzene	180		12.063				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
102 Naphthalene	128		12.528				1
103 1,2,3-Trichlorobenzene	180		12.802				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45059.D		
Lims ID:	360-24582-B-2-A	Client ID:	OC-TBK-018
Inject. Date:	16-Sep-2009 20:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-B-2-A		
Misc. Info.:	360-0001195-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49049	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:14:51
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:24:34

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.614	16122	1.01	42			

Quantitation Compounds

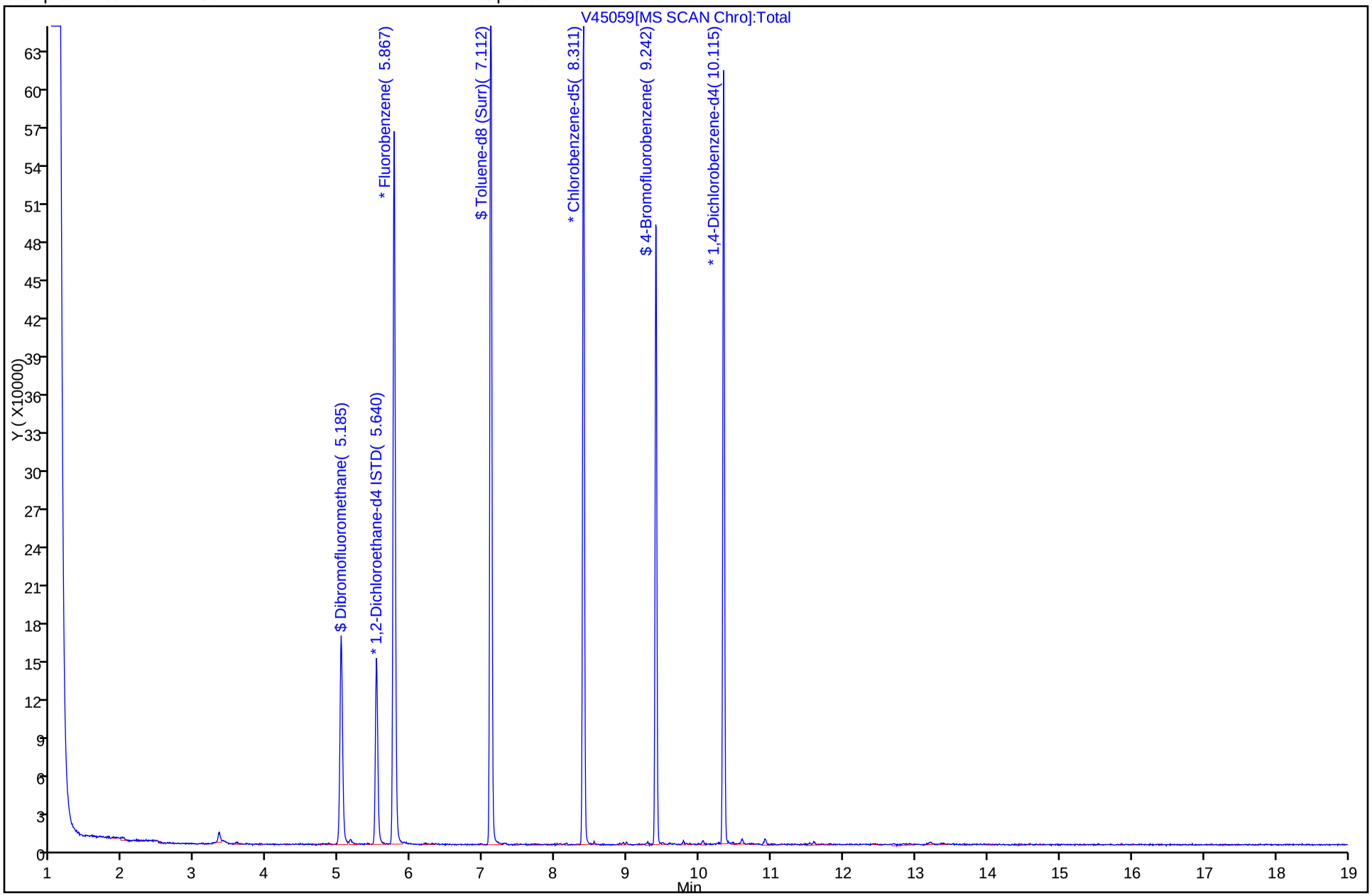
Compound	RT	Response	Amount ug/L
* 42 1,2-Dichloroethane-d4 IST	5.640	320577	20.0

QC Flag Legend

Processing Flags

Report Date: 17-Sep-2009 10:24:34 Chrom Revision: 1.0.2009.910

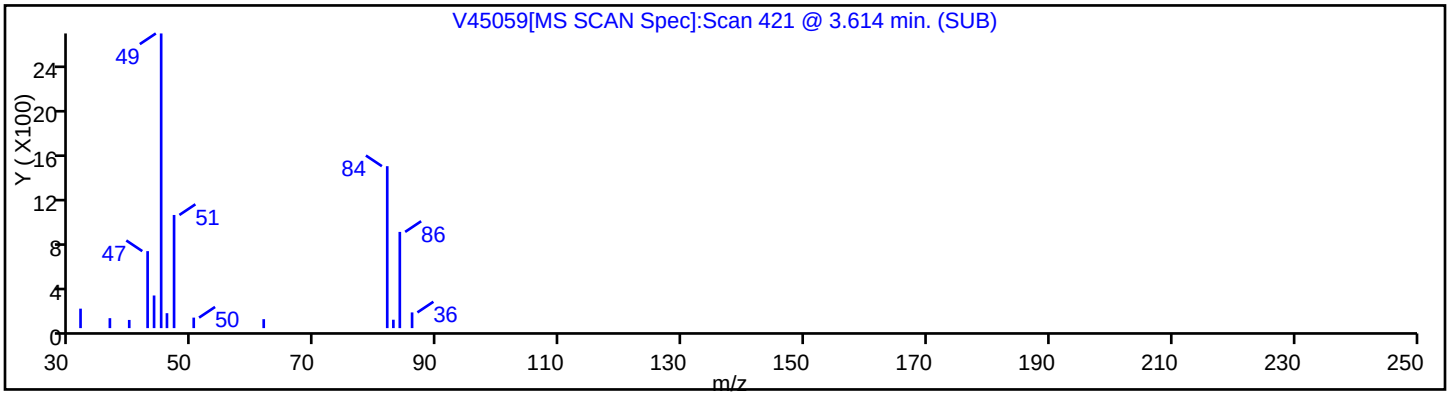
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45059.D		
Inj Date:	16-Sep-2009 20:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	11
Client ID:	OC-TBK-018	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-B-2-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 17-Sep-2009 10:24:34 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45059.D		
Inj Date:	16-Sep-2009 20:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	11
Client ID:	OC-TBK-018	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-B-2-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: V06983.D

Analysis Method: 8260B | Date Collected: 09/14/2009 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 20:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.70
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.58
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.63
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.72
75-34-3	1,1-Dichloroethane	ND		1.0	0.67
75-35-4	1,1-Dichloroethene	ND		1.0	0.64
563-58-6	1,1-Dichloropropene	ND		1.0	0.68
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.42
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.34
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.58
106-93-4	Ethylene Dibromide	ND		1.0	0.54
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.62
107-06-2	1,2-Dichloroethane	ND		1.0	0.62
78-87-5	1,2-Dichloropropane	ND		1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.66
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.64
142-28-9	1,3-Dichloropropane	ND		1.0	0.57
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.62
123-91-1	1,4-Dioxane	ND	*	50	7.7
594-20-7	2,2-Dichloropropane	ND	*	1.0	0.60
107-39-1	2,4,4-Trimethyl-1-pentene	ND		1.0	0.81
107-40-4	2,4,4-Trimethyl-2-pentene	ND		1.0	0.50
95-49-8	2-Chlorotoluene	ND		1.0	0.65
591-78-6	2-Hexanone	ND		10	7.3
106-43-4	4-Chlorotoluene	ND		1.0	0.62
67-64-1	Acetone	ND		50	20
71-43-2	Benzene	ND		1.0	0.74
108-86-1	Bromobenzene	ND		1.0	0.64
74-97-5	Chlorobromomethane	ND		1.0	0.78
75-27-4	Dichlorobromomethane	ND		1.0	0.63
75-25-2	Bromoform	ND		1.0	0.60
74-83-9	Bromomethane	ND		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: V06983.D

Analysis Method: 8260B | Date Collected: 09/14/2009 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 20:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		1.0	0.59
75-15-0	Carbon disulfide	ND		10	0.62
56-23-5	Carbon tetrachloride	ND		1.0	0.71
108-90-7	Chlorobenzene	ND		1.0	0.65
75-00-3	Chloroethane	ND		2.0	0.40
67-66-3	Chloroform	1.0	J	1.0	0.66
74-87-3	Chloromethane	ND		2.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.65
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.40
110-82-7	Cyclohexane	ND		10	2.8
124-48-1	Chlorodibromomethane	ND		0.50	0.50
74-95-3	Dibromomethane	ND		1.0	0.65
75-71-8	Dichlorodifluoromethane	ND	*	1.0	0.24
60-29-7	Ethyl ether	ND		10	0.63
108-20-3	Isopropyl ether	ND		10	0.62
637-92-3	Tert-butyl ethyl ether	ND		5.0	0.67
100-41-4	Ethylbenzene	ND		1.0	0.67
87-68-3	Hexachlorobutadiene	ND		0.40	0.40
98-82-8	Isopropylbenzene	ND		1.0	0.57
79-20-9	Methyl acetate	ND		10	16
78-93-3	2-Butanone (MEK)	ND	*	10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	8.5
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.63
108-87-2	Methylcyclohexane	ND		10	1.0
75-09-2	Methylene Chloride	ND		2.0	1.0
136777-61-2	m-Xylene & p-Xylene	ND		2.0	1.4
91-20-3	Naphthalene	ND		5.0	2.0
103-65-1	N-Propylbenzene	ND		1.0	0.70
95-47-6	o-Xylene	ND		1.0	0.54
99-87-6	4-Isopropyltoluene	ND		1.0	0.59
135-98-8	sec-Butylbenzene	ND		1.0	0.67
100-42-5	Styrene	ND		1.0	0.60
994-05-8	Tert-amyl methyl ether	ND		5.0	0.61
98-06-6	tert-Butylbenzene	ND		1.0	0.61
127-18-4	Tetrachloroethene	ND		1.0	0.48
109-99-9	Tetrahydrofuran	ND		10	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: V06983.D

Analysis Method: 8260B | Date Collected: 09/14/2009 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 20:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.56
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.40
79-01-6	Trichloroethene	ND		1.0	0.59
75-69-4	Trichlorofluoromethane	ND		1.0	0.31
75-01-4	Vinyl chloride	ND		0.50	0.46

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	87	70-130	
1868-53-7	Dibromofluoromethane	127	70-130	
2037-26-5	Toluene-d8 (Surr)	93	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 Lab Sample ID: 360-24582-4

Matrix: Water Lab File ID: V06983.D

Analysis Method: 8260B Date Collected: 09/14/2009 13:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2009 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49119 Units: ug/L

Number TICs Found: 2 TIC Result Total: 4.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
115-7-1	Propene	1.68	3.4	T J N
	Unknown	3.21	1.5	T J

Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D		
Lims ID:	360-24582-A-4	Client ID:	OC-EBK-010
Inject. Date:	17-Sep-2009 20:38:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-4		
Misc. Info.:	360-0001213-014		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49119	Lims Sample ID:	14
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	18-Sep-2009 08:22:50

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.741				1
2 Chloromethane	1	50		1.907				1
3 Vinyl chloride	1	62		1.990				1
4 Bromomethane	1	94		2.287				
5 Chloroethane	1	64		2.406				1
6 Trichlorofluoromethane	1	101		2.536				1
7 Ethyl ether	1	59		2.821				1
9 1,1-Dichloroethene	1	96		3.034				1
10 Carbon disulfide	1	76		3.070				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.082				1
14 Methylene Chloride	1	84		3.639				1
15 Acetone	1	43		3.687				7
16 trans-1,2-Dichloroethene	1	61		3.805				1
17 Methyl acetate	1	43		3.817				1
19 Methyl tert-butyl ether	1	73		3.924				1
21 Isopropyl ether	1	45		4.327				1
22 1,1-Dichloroethane	1	63		4.470				1
24 Tert-butyl ethyl ether	1	59		4.719				1
27 cis-1,2-Dichloroethene	1	61		5.051				1
28 2,2-Dichloropropane	1	77		5.181				1
29 Cyclohexane	1	56		5.264				1
30 Chlorobromomethane	1	130		5.276				1
31 Chloroform	1	83	5.347	5.347	0.000	9618	1.00	
33 Carbon tetrachloride	1	117		5.502				1
34 Tetrahydrofuran	1	42		5.513				1
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	102201	25.4	
37 1,1,1-Trichloroethane	1	97		5.585				1
38 2-Butanone (MEK)	1	43		5.691				1
39 1,1-Dichloropropene	1	75		5.715				1
41 Benzene	1	78		6.000				1

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
42 Tert-amyl methyl ether	1	73		6.118				1
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	17172	20.0	
44 1,2-Dichloroethane	1	62		6.225				1
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	303243	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55		6.498				1
48 Methylcyclohexane	1	83		6.640				1
49 Trichloroethene	1	95		6.652				1
50 2,4,4-Trimethyl-2-pentene	1	55		6.700				1
51 Dibromomethane	1	93		7.115				1
52 1,2-Dichloropropane	1	63		7.221				1
53 Dichlorobromomethane	1	83		7.281				1
55 1,4-Dioxane	1	88		7.494				1
59 cis-1,3-Dichloropropene	1	75		7.921				1
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	205752	18.6	
61 Toluene	1	92		8.158				1
65 4-Methyl-2-pentanone (MIBK)	1	43		8.514				1
64 Tetrachloroethene	1	164		8.514				1
66 trans-1,3-Dichloropropene	1	75		8.550				1
68 1,1,2-Trichloroethane	1	83		8.692				1
69 Chlorodibromomethane	1	129		8.858				1
70 1,3-Dichloropropane	1	76		8.941				1
71 Ethylene Dibromide	1	107		9.071				1
72 2-Hexanone	1	43		9.273				1
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	156881	20.0	
75 Chlorobenzene	1	112		9.534				1
76 Ethylbenzene	1	91		9.558				1
77 1,1,1,2-Tetrachloroethane	1	131		9.593				1
78 m-Xylene & p-Xylene	1	91		9.688				1
79 o-Xylene	1	91		10.056				1
80 Styrene	1	104		10.103				1
81 Bromoform	1	173		10.127				1
82 Isopropylbenzene	1	105		10.317				1
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	63684	17.4	
85 Bromobenzene	1	77		10.649				1
86 N-Propylbenzene	1	91		10.672				1
87 1,1,2,2-Tetrachloroethane	1	83		10.720				1
88 2-Chlorotoluene	1	91		10.803				1
89 1,3,5-Trimethylbenzene	1	105		10.827				1
90 1,2,3-Trichloropropane	1	110		10.838				1
92 4-Chlorotoluene	1	91		10.933				1
93 tert-Butylbenzene	1	119		11.099				1
94 1,2,4-Trimethylbenzene	1	105		11.147				1
95 sec-Butylbenzene	1	105		11.242				1
96 4-Isopropyltoluene	1	119		11.360				1
97 1,3-Dichlorobenzene	1	146		11.431				1
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	63262	20.0	
99 1,4-Dichlorobenzene	1	146		11.503				1
100 n-Butylbenzene	1	91		11.704				1
101 1,2-Dichlorobenzene	1	146		11.846				1
102 1,2-Dibromo-3-Chloropropane	1	157		12.511				1
104 Hexachlorobutadiene	1	225		13.020				1
105 1,2,4-Trichlorobenzene	1	180		13.056				1

Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
106 Naphthalene	1	128		13.341				1
107 1,2,3-Trichlorobenzene	1	180		13.507				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D		
Lims ID:	360-24582-A-4	Client ID:	OC-EBK-010
Inject. Date:	17-Sep-2009 20:38:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-4		
Misc. Info.:	360-0001213-014		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49119	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1002		
Reviewed By:	testerc	Date:	18-Sep-2009 08:22:50

Tentative Identified Compound Results

De	RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
	115-7-1	Propene					
1	1.682	60177	3.44	43	90	108457	
		Unknown					
1	3.212	27017	1.55	43			

Quantitation Compounds

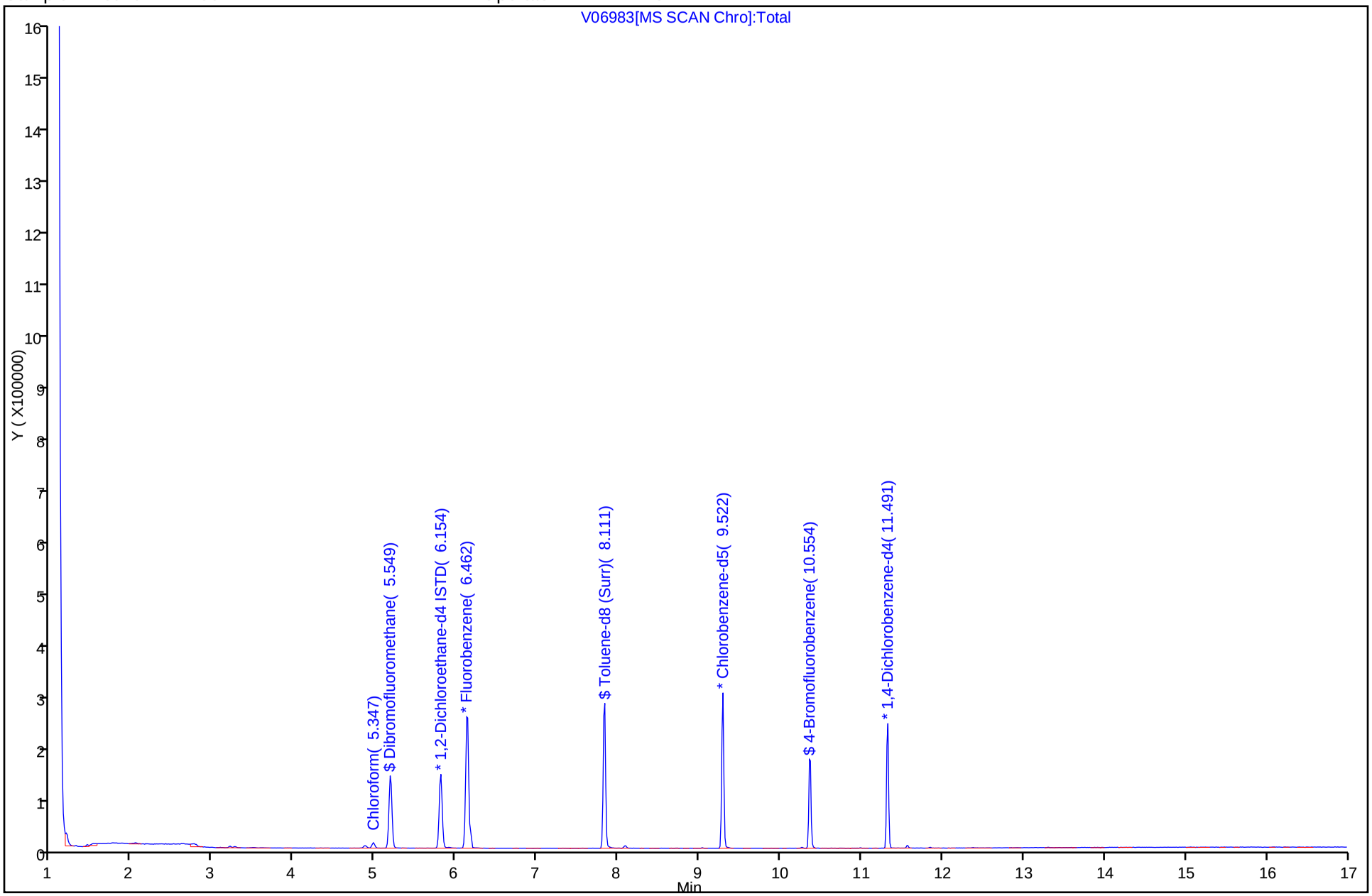
Compound	RT	Response	Amount ug/L
* 43 1,2-Dichloroethane-d4 IST	6.154	349610	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910

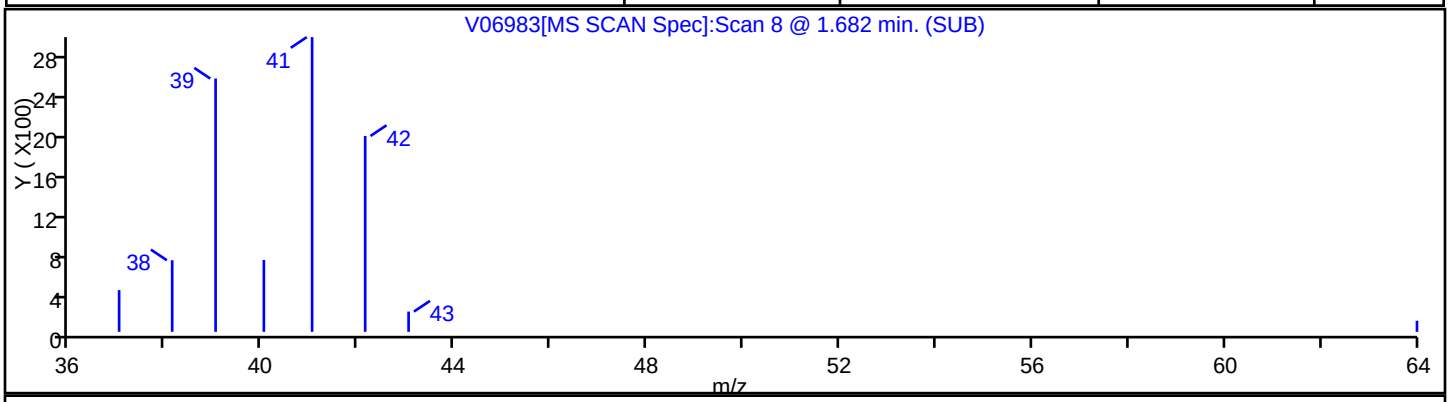
Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D		
Inj Date:	17-Sep-2009 20:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49119	Lims Sample ID:	14
Client ID:	OC-EBK-010	Instrument:	Agilent#2 GC/MS
Sample Info:	360-24582-a-4		
Sample Amount:	1.00	Operator:	CT

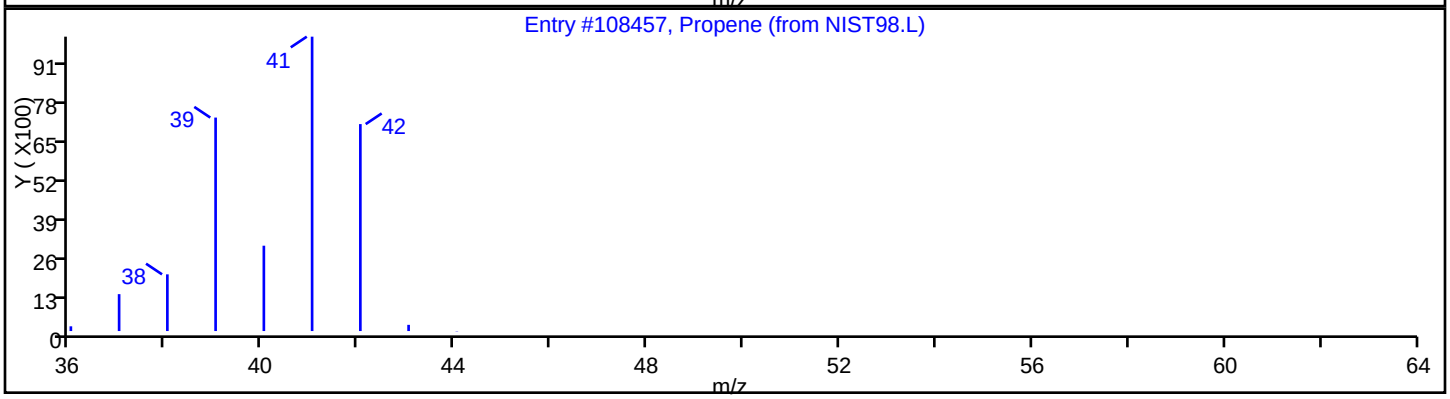


Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D		
Inj Date:	17-Sep-2009 20:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49119	Lims Sample ID:	14
Client ID:	OC-EBK-010	Instrument:	Agilent#2 GC/MS
Sample Info:	360-24582-a-4		
Sample Amount:	1.00	Operator:	CT

Library Search Compound Match	CAS Number	Library	Entry	Quality
Propene	115-7-1	NIST98.L	108457	90

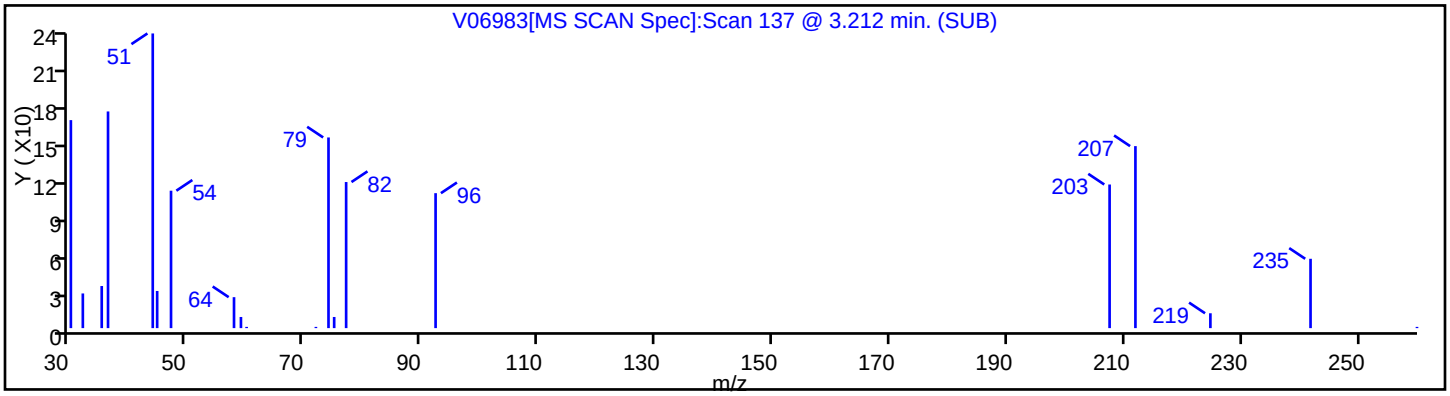




Report Date: 18-Sep-2009 08:22:51 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06983.D		
Inj Date:	17-Sep-2009 20:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49119	Lims Sample ID:	14
Client ID:	OC-EBK-010	Instrument:	Agilent#2 GC/MS
Sample Info:	360-24582-a-4		
Sample Amount:	1.00	Operator:	CT

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: V45092.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:40

Sample wt/vol: 3.44(g) | Date Analyzed: 09/17/2009 15:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		4.8	1.9
71-55-6	1,1,1-Trichloroethane	ND		4.8	1.9
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	1.9
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		24	1.9
79-00-5	1,1,2-Trichloroethane	ND		4.8	1.9
75-34-3	1,1-Dichloroethane	ND		4.8	1.9
75-35-4	1,1-Dichloroethene	ND		4.8	1.9
563-58-6	1,1-Dichloropropene	ND		4.8	1.9
87-61-6	1,2,3-Trichlorobenzene	ND		4.8	1.9
96-18-4	1,2,3-Trichloropropane	ND		4.8	2.8
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	1.9
95-63-6	1,2,4-Trimethylbenzene	ND		4.8	1.9
96-12-8	1,2-Dibromo-3-Chloropropane	ND		48	3.5
106-93-4	Ethylene Dibromide	ND		4.8	1.9
95-50-1	1,2-Dichlorobenzene	ND		4.8	1.9
107-06-2	1,2-Dichloroethane	ND		4.8	1.9
67-64-1	Acetone	ND		480	34
78-87-5	1,2-Dichloropropane	ND		4.8	1.9
108-67-8	1,3,5-Trimethylbenzene	ND		4.8	1.9
541-73-1	1,3-Dichlorobenzene	ND		4.8	1.9
142-28-9	1,3-Dichloropropane	ND		4.8	1.9
106-46-7	1,4-Dichlorobenzene	ND		4.8	1.9
123-91-1	1,4-Dioxane	ND		480	63
594-20-7	2,2-Dichloropropane	ND		4.8	1.9
107-39-1	2,4,4-Trimethyl-1-pentene	ND		9.6	1.9
107-40-4	2,4,4-Trimethyl-2-pentene	ND		9.6	1.9
95-49-8	2-Chlorotoluene	ND		4.8	1.9
591-78-6	2-Hexanone	ND		48	9.9
106-43-4	4-Chlorotoluene	ND		4.8	1.9
71-43-2	Benzene	ND		4.8	1.9
108-86-1	Bromobenzene	ND		4.8	1.9
74-97-5	Chlorobromomethane	ND		4.8	1.9
75-27-4	Dichlorobromomethane	ND		4.8	1.9
75-25-2	Bromoform	ND		4.8	1.9
74-83-9	Bromomethane	ND		9.6	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: V45092.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:40

Sample wt/vol: 3.44(g) | Date Analyzed: 09/17/2009 15:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		4.8	1.9
75-15-0	Carbon disulfide	ND		4.8	1.9
56-23-5	Carbon tetrachloride	ND		4.8	1.9
108-90-7	Chlorobenzene	ND		4.8	1.9
75-00-3	Chloroethane	ND		9.6	1.9
67-66-3	Chloroform	ND		4.8	1.9
74-87-3	Chloromethane	ND		9.6	1.9
156-59-2	cis-1,2-Dichloroethene	ND		4.8	1.9
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	1.9
110-82-7	Cyclohexane	ND		48	5.0
124-48-1	Chlorodibromomethane	ND		4.8	1.9
74-95-3	Dibromomethane	ND		4.8	1.9
75-71-8	Dichlorodifluoromethane	ND	*	9.6	1.9
60-29-7	Ethyl ether	ND		4.8	1.9
108-20-3	Isopropyl ether	ND		4.8	1.9
637-92-3	Tert-butyl ethyl ether	ND		4.8	4.8
100-41-4	Ethylbenzene	ND		4.8	1.9
87-68-3	Hexachlorobutadiene	ND		4.8	1.9
98-82-8	Isopropylbenzene	ND		4.8	1.9
79-20-9	Methyl acetate	ND		96	31
78-93-3	2-Butanone (MEK)	ND		48	13
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		48	9.9
1634-04-4	Methyl tert-butyl ether	ND		4.8	1.9
108-87-2	Methylcyclohexane	ND		4.8	1.9
75-09-2	Methylene Chloride	ND		19	9.3
136777-61-2	m-Xylene & p-Xylene	ND		9.6	1.9
91-20-3	Naphthalene	ND		48	1.9
103-65-1	N-Propylbenzene	ND		4.8	1.9
95-47-6	o-Xylene	ND		4.8	1.9
99-87-6	4-Isopropyltoluene	ND		4.8	1.9
135-98-8	sec-Butylbenzene	ND		4.8	1.9
100-42-5	Styrene	ND		4.8	1.9
994-05-8	Tert-amyl methyl ether	ND		4.8	1.9
98-06-6	tert-Butylbenzene	ND		4.8	1.9
127-18-4	Tetrachloroethene	ND		4.8	1.9
109-99-9	Tetrahydrofuran	ND		48	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: V45092.D

Analysis Method: 8260B | Date Collected: 09/14/2009 14:40

Sample wt/vol: 3.44(g) | Date Analyzed: 09/17/2009 15:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		4.8	1.9
156-60-5	trans-1,2-Dichloroethene	ND		4.8	1.9
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	1.9
79-01-6	Trichloroethene	ND		4.8	1.9
75-69-4	Trichlorofluoromethane	ND		9.6	1.9
75-01-4	Vinyl chloride	ND		4.8	1.9

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	100	70-130	
1868-53-7	Dibromofluoromethane	104	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX Lab Sample ID: 360-24582-5

Matrix: Solid Lab File ID: V45092.D

Analysis Method: 8260B Date Collected: 09/14/2009 14:40

Sample wt/vol: 3.44(g) Date Analyzed: 09/17/2009 15:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.3 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	4.1	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45092.D		
Lims ID:	360-24582-C-5-A	Client ID:	OC-SS-400-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 15:26:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-5-A		
Misc. Info.:	360-0001210-007		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49101	Lims Sample ID:	7
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 16:03:49	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 16:07:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43	3.682	3.670	0.012	8099	2.63	
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				1
$ 35 Dibromofluoromethane	113	5.191	5.190	0.001	103224	20.8	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				479
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.651	5.645	0.006	18974	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.873	5.872	0.001	427123	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.119	7.117	0.002	378761	20.0	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.318	8.311	0.007	248110	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.248	9.247	0.001	142025	20.0	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.126	10.120	0.006	114941	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				79

Report Date: 17-Sep-2009 16:07:36 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45092.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45092.D		
Lims ID:	360-24582-C-5-A	Client ID:	OC-SS-400-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 15:26:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-5-A		
Misc. Info.:	360-0001210-007		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49101	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 16:03:49	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 16:07:36

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.028	19071	0.4275	94			

Quantitation Compounds

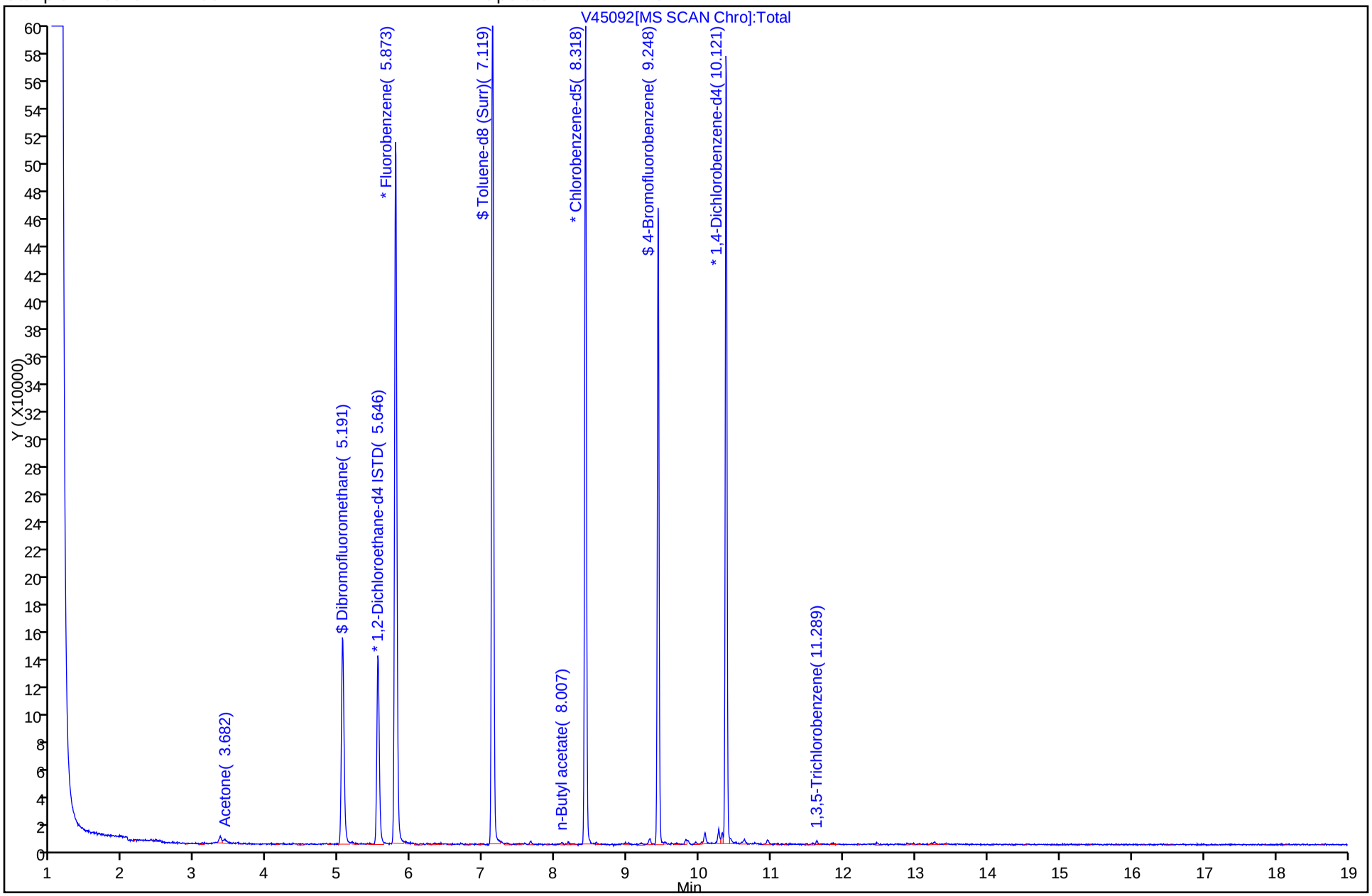
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.121	892129	20.0

QC Flag Legend

Processing Flags

Report Date: 17-Sep-2009 16:07:36 Chrom Revision: 1.0.2009.910

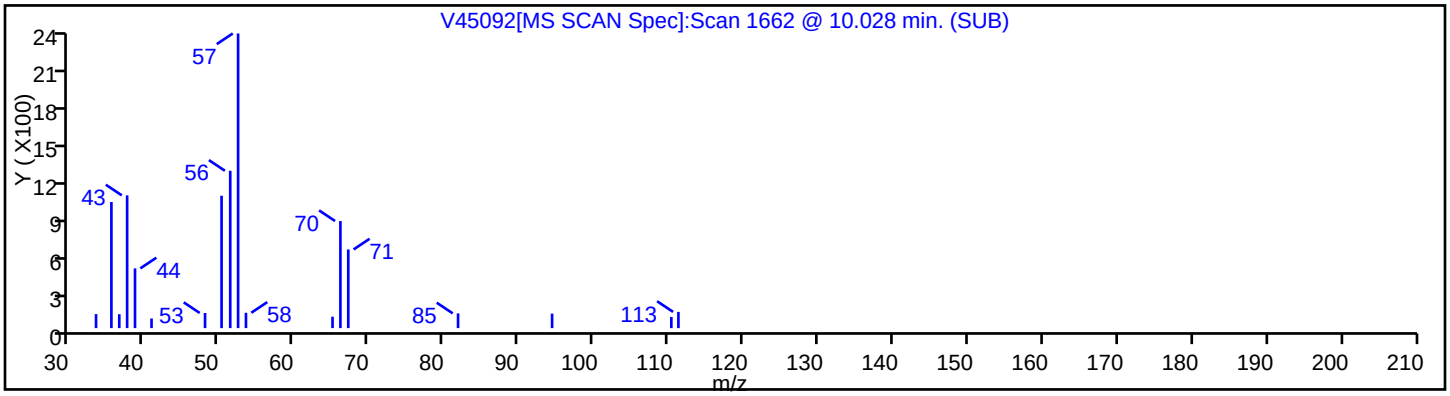
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45092.D		
Inj Date:	17-Sep-2009 15:26:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	7
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-5-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 17-Sep-2009 16:07:36 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45092.D		
Inj Date:	17-Sep-2009 15:26:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	7
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-5-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: V45093.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:05

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: V45093.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:05

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: V45093.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:05

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	94	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX Lab Sample ID: 360-24582-6

Matrix: Solid Lab File ID: V45093.D

Analysis Method: 8260B Date Collected: 09/14/2009 15:05

Sample wt/vol: 5.37(g) Date Analyzed: 09/17/2009 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.8 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 2 TIC Result Total: 23.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
7785-70-8	1R-.alpha.-Pinene	8.88	14	T J N
	Unknown	10.04	9.8	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D		
Lims ID:	360-24582-D-6-A	Client ID:	OC-SS-401-0.1/1.0-XXX
Inject. Date:	17-Sep-2009 16:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-6-A		
Misc. Info.:	360-0001210-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49101	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:04:06	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 16:31:35
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:05:14

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.205	5.190	0.015	106622	19.9	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				79

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
41 Tert-amyl methyl ether	73		5.619				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.645	0.009	18572	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.882	5.872	0.010	460551	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.132	7.117	0.015	406800	19.9	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.326	8.311	0.015	254024	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.256	9.247	0.009	136837	18.8	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.120	0.015	107792	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1

Report Date: 18-Sep-2009 09:05:14 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
102 Naphthalene	128		12.523				1
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D		
Lims ID:	360-24582-D-6-A	Client ID:	OC-SS-401-0.1/1.0-XXX
Inject. Date:	17-Sep-2009 16:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-6-A		
Misc. Info.:	360-0001210-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49101	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:04:06	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 16:31:35
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:05:14

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
7785-70-8 1R-.alpha.-Pinene						
8.879	133780	2.76	70	97	40147	
Unknown						
10.037	83667	1.97	94			

Quantitation Compounds

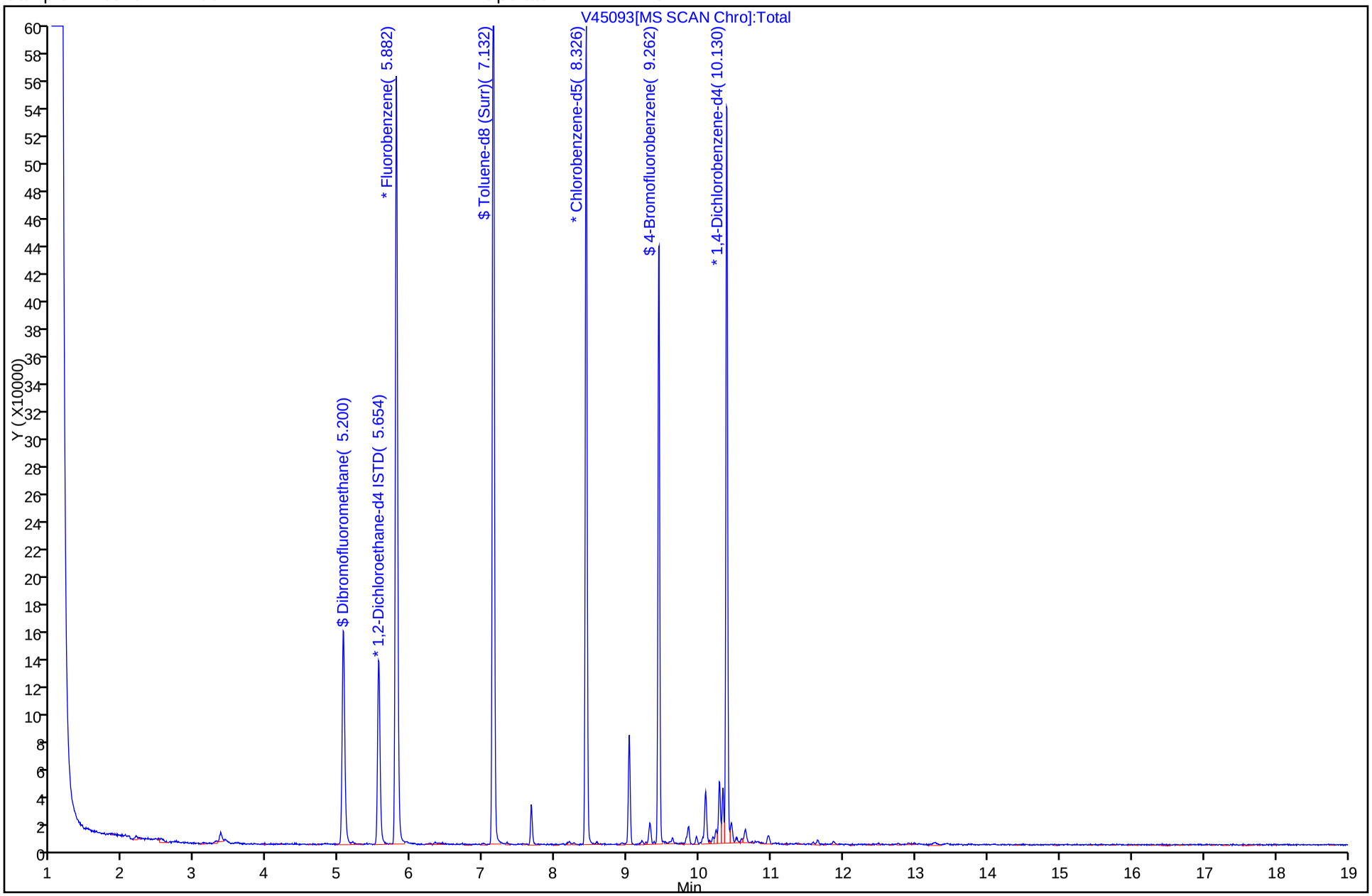
Compound	RT	Response	Amount ug/L
* 70 Chlorobenzene-d5	8.326	967972	20.0
* 94 1,4-Dichlorobenzene-d4	10.130	849030	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:05:14 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D		
Inj Date:	17-Sep-2009 16:09:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	8
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-6-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:05:15 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D

Inj Date: 17-Sep-2009 16:09:30 Limit Group: VMS - 8260 VOA Calibration

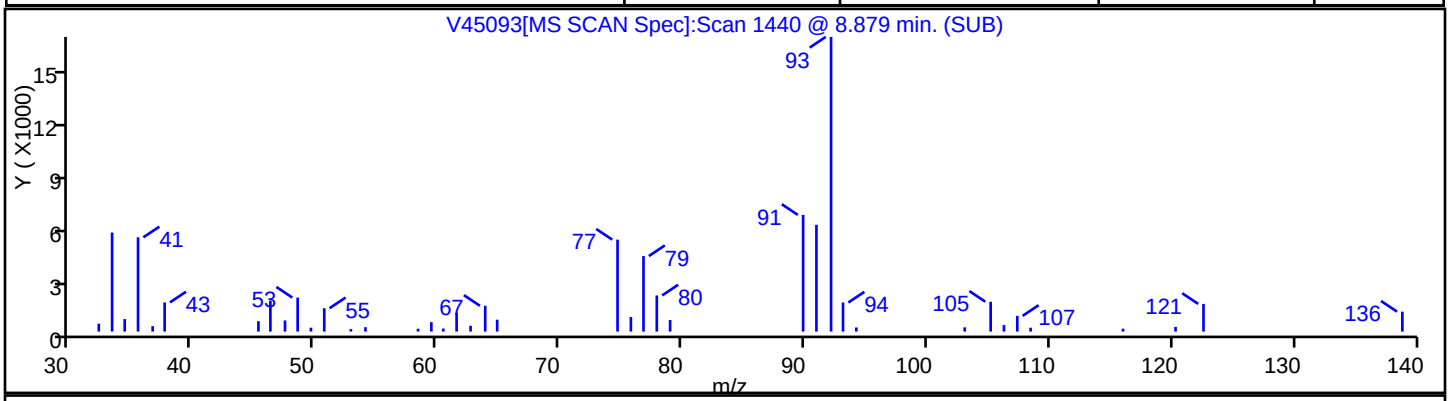
Lims Batch ID: 49101 Lims Sample ID: 8

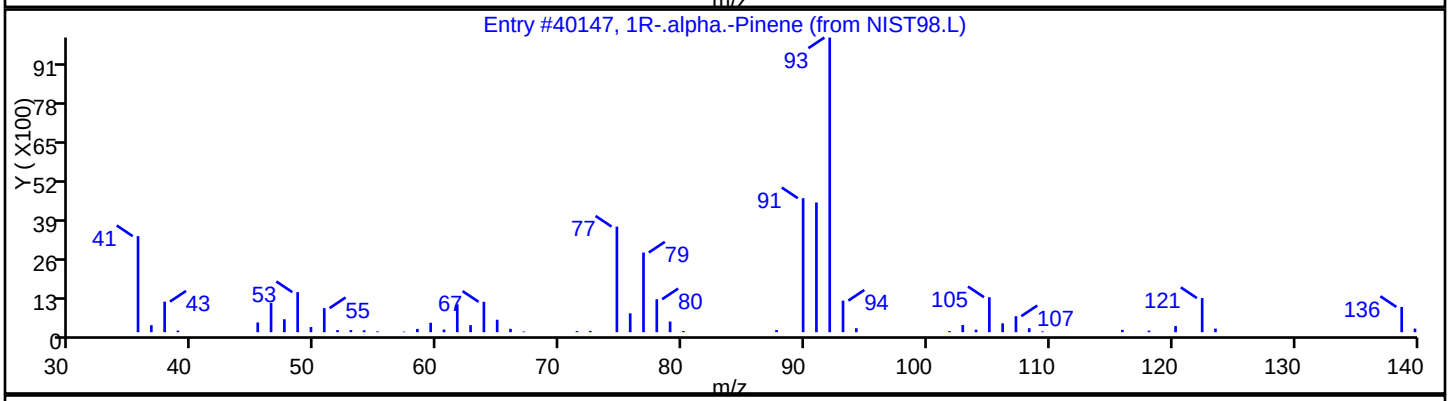
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: HP #1 GC/MS

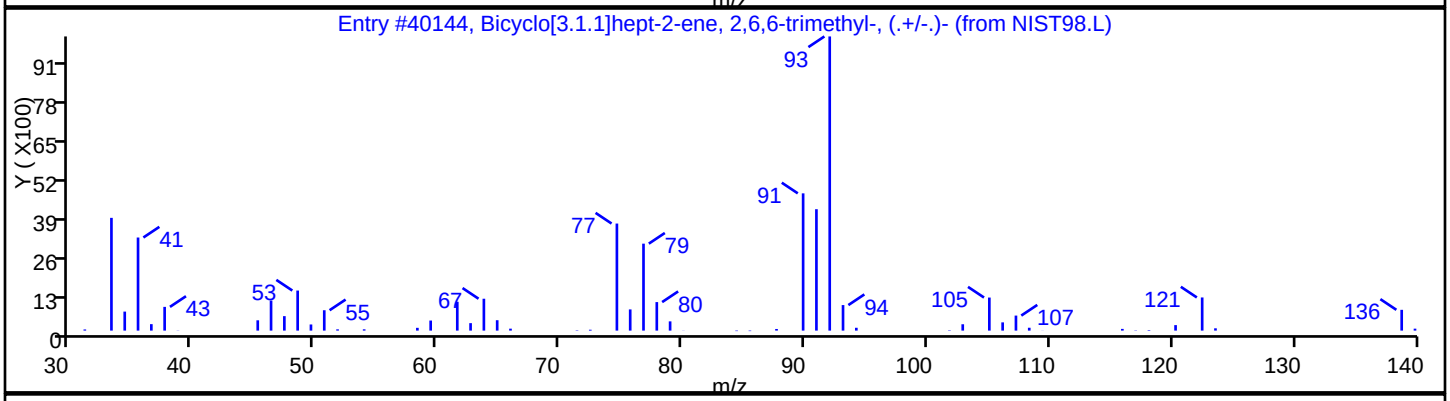
Sample Info: 360-24582-C-6-A

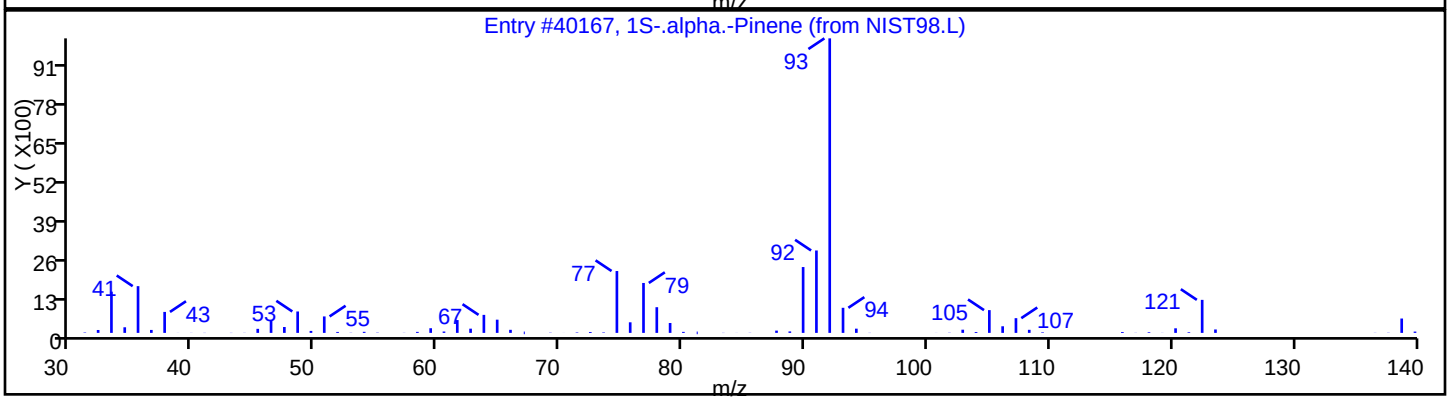
Sample Amount: 1.00 Operator: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
1R-.alpha.-Pinene	7785-70-8	NIST98.L	40147	97
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethy	2437-95-8	NIST98.L	40144	95
1S-.alpha.-Pinene	7785-26-4	NIST98.L	40167	94





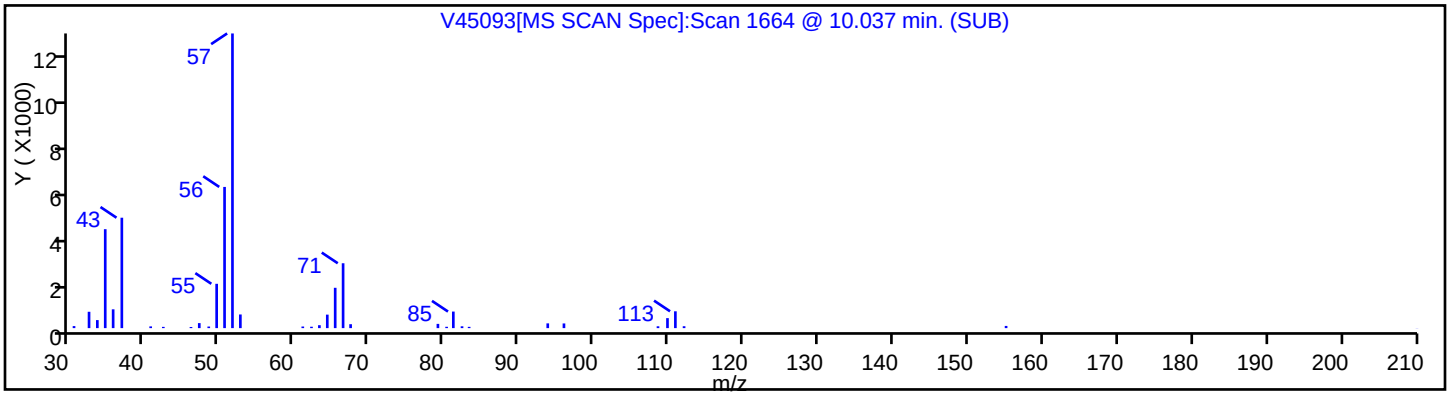




Report Date: 18-Sep-2009 09:05:15 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45093.D		
Inj Date:	17-Sep-2009 16:09:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	8
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-6-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: V45094.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:30

Sample wt/vol: 3.23(g) | Date Analyzed: 09/17/2009 16:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.0 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		5.2	2.1
71-55-6	1,1,1-Trichloroethane	ND		5.2	2.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		26	2.1
79-00-5	1,1,2-Trichloroethane	ND		5.2	2.1
75-34-3	1,1-Dichloroethane	ND		5.2	2.1
75-35-4	1,1-Dichloroethene	ND		5.2	2.1
563-58-6	1,1-Dichloropropene	ND		5.2	2.1
87-61-6	1,2,3-Trichlorobenzene	ND		5.2	2.1
96-18-4	1,2,3-Trichloropropane	ND		5.2	3.0
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	2.1
95-63-6	1,2,4-Trimethylbenzene	ND		5.2	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		52	3.7
106-93-4	Ethylene Dibromide	ND		5.2	2.1
95-50-1	1,2-Dichlorobenzene	ND		5.2	2.1
107-06-2	1,2-Dichloroethane	ND		5.2	2.1
67-64-1	Acetone	ND		520	37
78-87-5	1,2-Dichloropropane	ND		5.2	2.1
108-67-8	1,3,5-Trimethylbenzene	ND		5.2	2.1
541-73-1	1,3-Dichlorobenzene	ND		5.2	2.1
142-28-9	1,3-Dichloropropane	ND		5.2	2.1
106-46-7	1,4-Dichlorobenzene	ND		5.2	2.1
123-91-1	1,4-Dioxane	ND		520	68
594-20-7	2,2-Dichloropropane	ND		5.2	2.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		10	2.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		10	2.1
95-49-8	2-Chlorotoluene	ND		5.2	2.1
591-78-6	2-Hexanone	ND		52	11
106-43-4	4-Chlorotoluene	ND		5.2	2.1
71-43-2	Benzene	ND		5.2	2.1
108-86-1	Bromobenzene	ND		5.2	2.1
74-97-5	Chlorobromomethane	ND		5.2	2.1
75-27-4	Dichlorobromomethane	ND		5.2	2.1
75-25-2	Bromoform	ND		5.2	2.1
74-83-9	Bromomethane	ND		10	2.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: V45094.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:30

Sample wt/vol: 3.23(g) | Date Analyzed: 09/17/2009 16:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.0 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		5.2	2.1
75-15-0	Carbon disulfide	ND		5.2	2.1
56-23-5	Carbon tetrachloride	ND		5.2	2.1
108-90-7	Chlorobenzene	ND		5.2	2.1
75-00-3	Chloroethane	ND		10	2.1
67-66-3	Chloroform	ND		5.2	2.1
74-87-3	Chloromethane	ND		10	2.1
156-59-2	cis-1,2-Dichloroethene	ND		5.2	2.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	2.1
110-82-7	Cyclohexane	ND		52	5.3
124-48-1	Chlorodibromomethane	ND		5.2	2.1
74-95-3	Dibromomethane	ND		5.2	2.1
75-71-8	Dichlorodifluoromethane	ND	*	10	2.1
60-29-7	Ethyl ether	ND		5.2	2.1
108-20-3	Isopropyl ether	ND		5.2	2.1
637-92-3	Tert-butyl ethyl ether	ND		5.2	5.2
100-41-4	Ethylbenzene	ND		5.2	2.1
87-68-3	Hexachlorobutadiene	ND		5.2	2.1
98-82-8	Isopropylbenzene	ND		5.2	2.1
79-20-9	Methyl acetate	ND		100	34
78-93-3	2-Butanone (MEK)	ND		52	14
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		52	11
1634-04-4	Methyl tert-butyl ether	ND		5.2	2.1
108-87-2	Methylcyclohexane	ND		5.2	2.1
75-09-2	Methylene Chloride	ND		21	10
136777-61-2	m-Xylene & p-Xylene	ND		10	2.1
91-20-3	Naphthalene	ND		52	2.1
103-65-1	N-Propylbenzene	ND		5.2	2.1
95-47-6	o-Xylene	ND		5.2	2.1
99-87-6	4-Isopropyltoluene	ND		5.2	2.1
135-98-8	sec-Butylbenzene	ND		5.2	2.1
100-42-5	Styrene	ND		5.2	2.1
994-05-8	Tert-amyl methyl ether	ND		5.2	2.1
98-06-6	tert-Butylbenzene	ND		5.2	2.1
127-18-4	Tetrachloroethene	ND		5.2	2.1
109-99-9	Tetrahydrofuran	ND		52	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: V45094.D

Analysis Method: 8260B | Date Collected: 09/14/2009 15:30

Sample wt/vol: 3.23(g) | Date Analyzed: 09/17/2009 16:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.0 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		5.2	2.1
156-60-5	trans-1,2-Dichloroethene	ND		5.2	2.1
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.1
79-01-6	Trichloroethene	ND		5.2	2.1
75-69-4	Trichlorofluoromethane	ND		10	2.1
75-01-4	Vinyl chloride	ND		5.2	2.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	95	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX Lab Sample ID: 360-24582-7

Matrix: Solid Lab File ID: V45094.D

Analysis Method: 8260B Date Collected: 09/14/2009 15:30

Sample wt/vol: 3.23(g) Date Analyzed: 09/17/2009 16:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.0 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 15

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.61	15	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45094.D		
Lims ID:	360-24582-C-7-A	Client ID:	OC-SS-402-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 16:33:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-7-A		
Misc. Info.:	360-0001210-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49101	Lims Sample ID:	9
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 18-Sep-2009 09:10:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43	3.686	3.670	0.016	8281	2.65	
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				79
$ 35 Dibromofluoromethane	113	5.195	5.190	0.005	103890	20.5	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				1
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.644	5.645	-0.001	19714	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.877	5.872	0.005	435271	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.122	7.117	0.005	384664	19.9	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.316	8.311	0.005	250641	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.252	9.247	0.005	136948	19.1	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	107858	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:10:20 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45094.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45094.D		
Lims ID:	360-24582-C-7-A	Client ID:	OC-SS-402-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 16:33:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-7-A		
Misc. Info.:	360-0001210-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49101	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:10:20

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.613	69310	1.46	70			

Quantitation Compounds

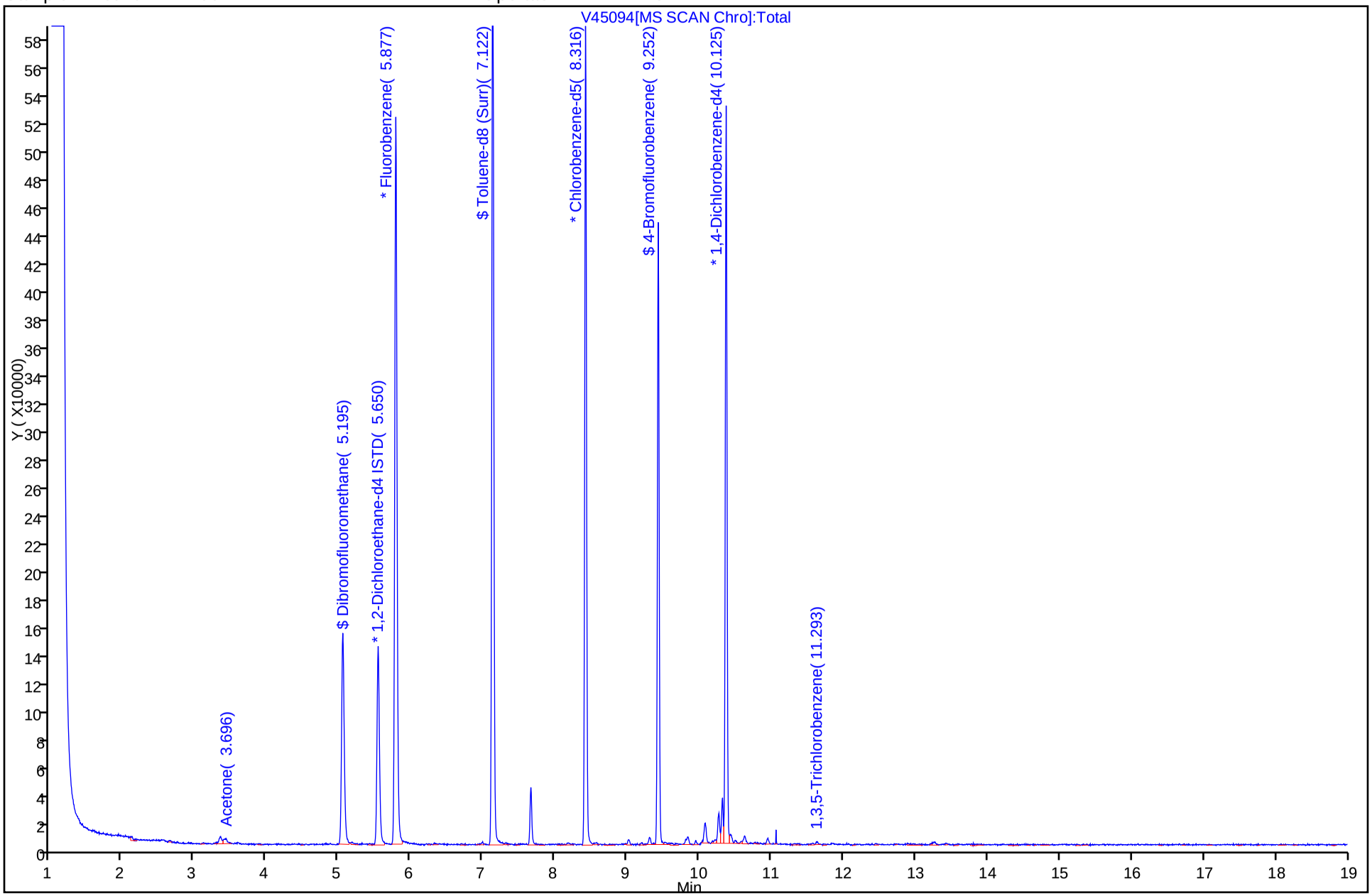
Compound	RT	Response	Amount ug/L
* 70 Chlorobenzene-d5	8.316	950931	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:10:20 Chrom Revision: 1.0.2009.910

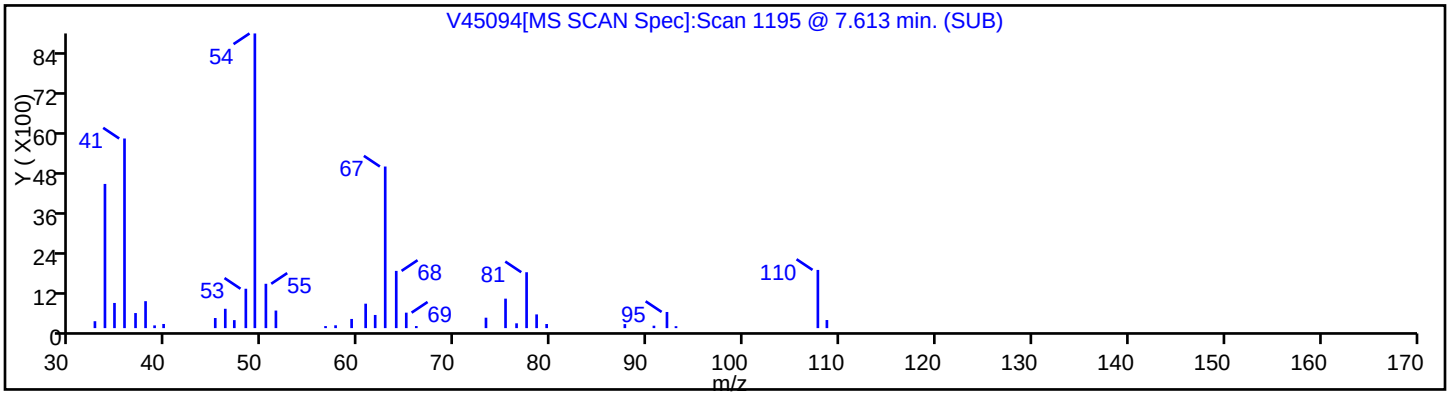
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45094.D		
Inj Date:	17-Sep-2009 16:33:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	9
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-7-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:10:20 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45094.D		
Inj Date:	17-Sep-2009 16:33:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	9
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-7-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: V45095.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:10

Sample wt/vol: 5.08(g) | Date Analyzed: 09/17/2009 16:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	1.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.1
563-58-6	1,1-Dichloropropene	ND		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
67-64-1	Acetone	ND		270	19
78-87-5	1,2-Dichloropropane	ND		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
123-91-1	1,4-Dioxane	ND		270	35
594-20-7	2,2-Dichloropropane	ND		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.4	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.4	1.1
95-49-8	2-Chlorotoluene	ND		2.7	1.1
591-78-6	2-Hexanone	ND		27	5.5
106-43-4	4-Chlorotoluene	ND		2.7	1.1
71-43-2	Benzene	ND		2.7	1.1
108-86-1	Bromobenzene	ND		2.7	1.1
74-97-5	Chlorobromomethane	ND		2.7	1.1
75-27-4	Dichlorobromomethane	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.1
74-83-9	Bromomethane	ND		5.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: V45095.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:10

Sample wt/vol: 5.08(g) | Date Analyzed: 09/17/2009 16:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.7	1.1
75-15-0	Carbon disulfide	ND		2.7	1.1
56-23-5	Carbon tetrachloride	ND		2.7	1.1
108-90-7	Chlorobenzene	ND		2.7	1.1
75-00-3	Chloroethane	ND		5.4	1.1
67-66-3	Chloroform	ND		2.7	1.1
74-87-3	Chloromethane	ND		5.4	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
110-82-7	Cyclohexane	ND		27	2.8
124-48-1	Chlorodibromomethane	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.4	1.1
60-29-7	Ethyl ether	ND		2.7	1.1
108-20-3	Isopropyl ether	ND		2.7	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.7	2.7
100-41-4	Ethylbenzene	ND		2.7	1.1
87-68-3	Hexachlorobutadiene	ND		2.7	1.1
98-82-8	Isopropylbenzene	ND		2.7	1.1
79-20-9	Methyl acetate	ND		54	17
78-93-3	2-Butanone (MEK)	ND		27	7.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	5.5
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.1
108-87-2	Methylcyclohexane	ND		2.7	1.1
75-09-2	Methylene Chloride	ND		11	5.2
136777-61-2	m-Xylene & p-Xylene	ND		5.4	1.1
91-20-3	Naphthalene	ND		27	1.1
103-65-1	N-Propylbenzene	ND		2.7	1.1
95-47-6	o-Xylene	ND		2.7	1.1
99-87-6	4-Isopropyltoluene	ND		2.7	1.1
135-98-8	sec-Butylbenzene	ND		2.7	1.1
100-42-5	Styrene	ND		2.7	1.1
994-05-8	Tert-amyl methyl ether	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.1
127-18-4	Tetrachloroethene	ND		2.7	1.1
109-99-9	Tetrahydrofuran	ND		27	5.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: V45095.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:10

Sample wt/vol: 5.08(g) | Date Analyzed: 09/17/2009 16:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
79-01-6	Trichloroethene	ND		2.7	1.1
75-69-4	Trichlorofluoromethane	ND		5.4	1.1
75-01-4	Vinyl chloride	ND		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	101	70-130	
1868-53-7	Dibromofluoromethane	104	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX Lab Sample ID: 360-24582-9

Matrix: Solid Lab File ID: V45095.D

Analysis Method: 8260B Date Collected: 09/14/2009 16:10

Sample wt/vol: 5.08(g) Date Analyzed: 09/17/2009 16:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	2.3	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45095.D		
Lims ID:	360-24582-C-9-A	Client ID:	OC-SS-404-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 16:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-9-A		
Misc. Info.:	360-0001210-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	49101	Lims Sample ID:	10
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 18-Sep-2009 09:10:55

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				79
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				1
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.195	5.190	0.005	101124	20.7	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				1
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.645	0.005	19538	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.878	5.872	0.006	419365	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.117	0.006	371800	20.0	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.317	8.311	0.006	245667	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.252	9.247	0.005	142384	20.2	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	114532	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:10:55 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45095.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45095.D		
Lims ID:	360-24582-C-9-A	Client ID:	OC-SS-404-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 16:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-9-A		
Misc. Info.:	360-0001210-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	49101	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:10:55

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.032	19386	0.4326	94			

Quantitation Compounds

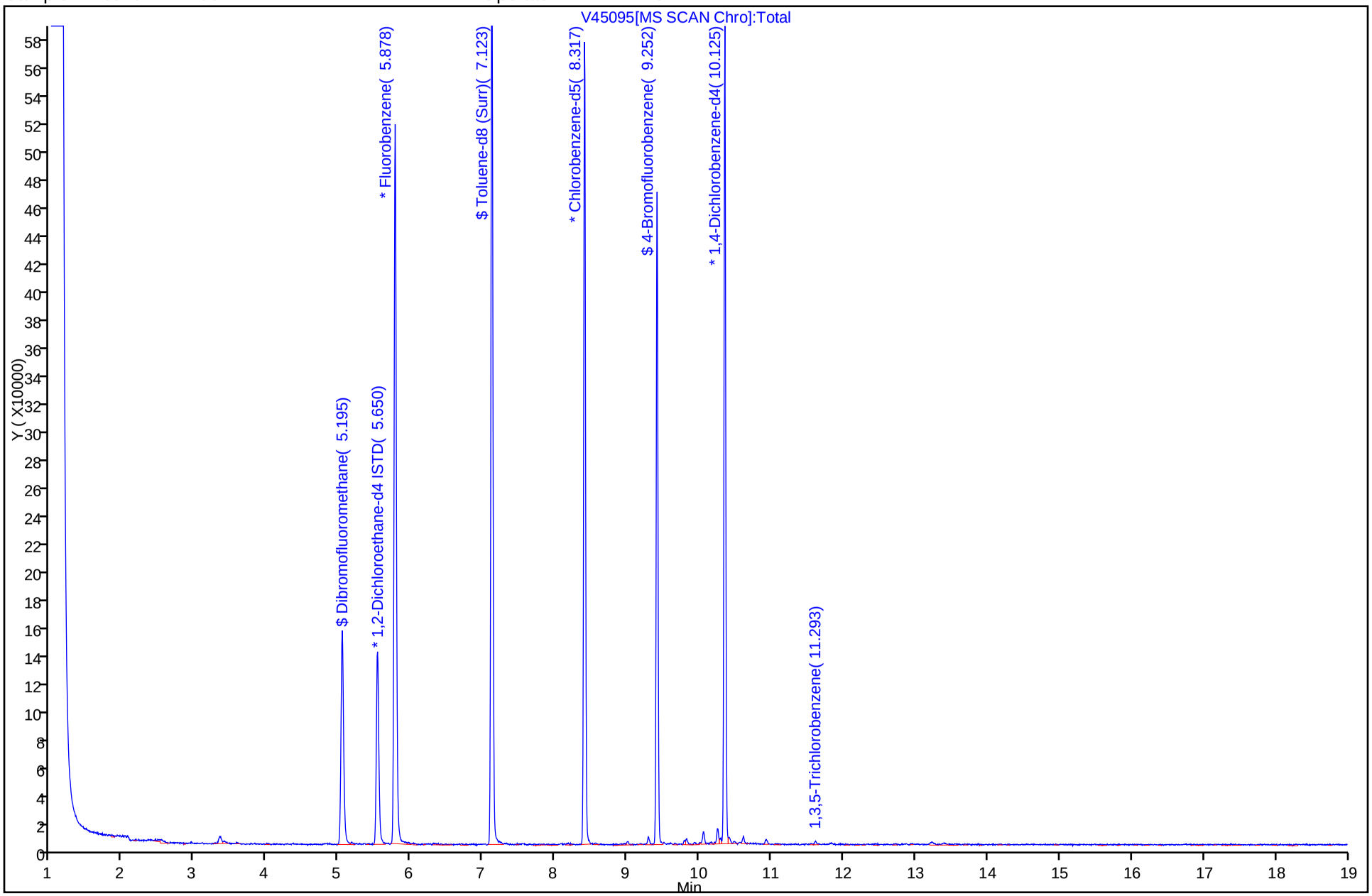
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	896356	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:10:55 Chrom Revision: 1.0.2009.910

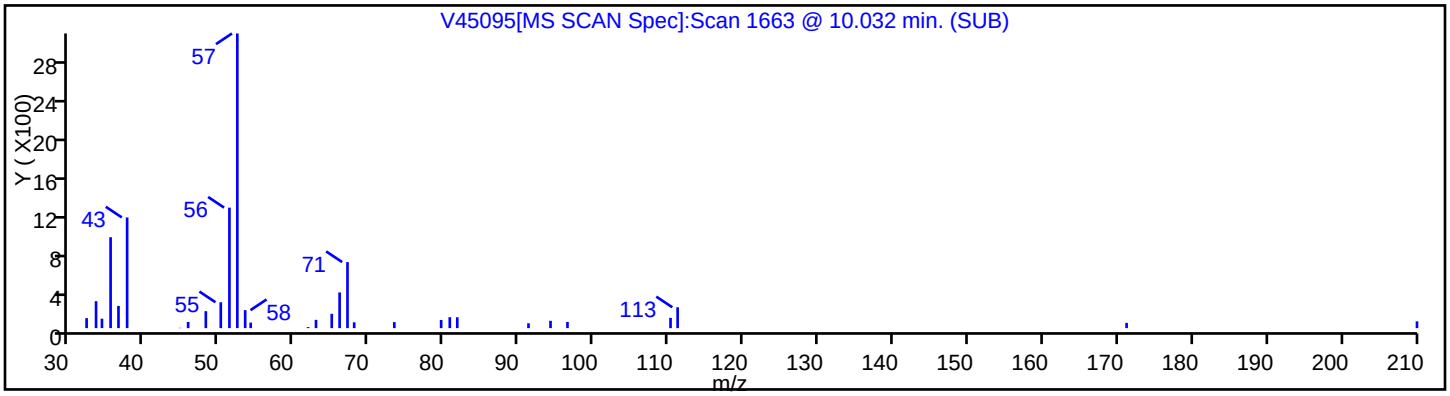
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45095.D		
Inj Date:	17-Sep-2009 16:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	10
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-9-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:10:56 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45095.D		
Inj Date:	17-Sep-2009 16:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	10
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-9-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: V45096.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:30

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 17:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.6 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: V45096.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:30

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 17:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.6 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.1
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: V45096.D

Analysis Method: 8260B | Date Collected: 09/14/2009 16:30

Sample wt/vol: 5.37(g) | Date Analyzed: 09/17/2009 17:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.6 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX Lab Sample ID: 360-24582-10

Matrix: Solid Lab File ID: V45096.D

Analysis Method: 8260B Date Collected: 09/14/2009 16:30

Sample wt/vol: 5.37(g) Date Analyzed: 09/17/2009 17:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.6 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	4.4	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45096.D		
Lims ID:	360-24582-C-10-A	Client ID:	OC-SS-405-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 17:20:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-10-A		
Misc. Info.:	360-0001210-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49101	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:11:30

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				79
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.190	5.190	0.000	94941	20.7	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				79
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.645	0.005	16864	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.877	5.872	0.005	394499	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.117	0.006	348931	19.9	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.317	8.311	0.006	230476	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.252	9.247	0.005	134083	20.3	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	109558	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:11:30 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45096.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45096.D		
Lims ID:	360-24582-C-10-A	Client ID:	OC-SS-405-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 17:20:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-10-A		
Misc. Info.:	360-0001210-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49101	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:11:30

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.032	37121	0.8726	94			

Quantitation Compounds

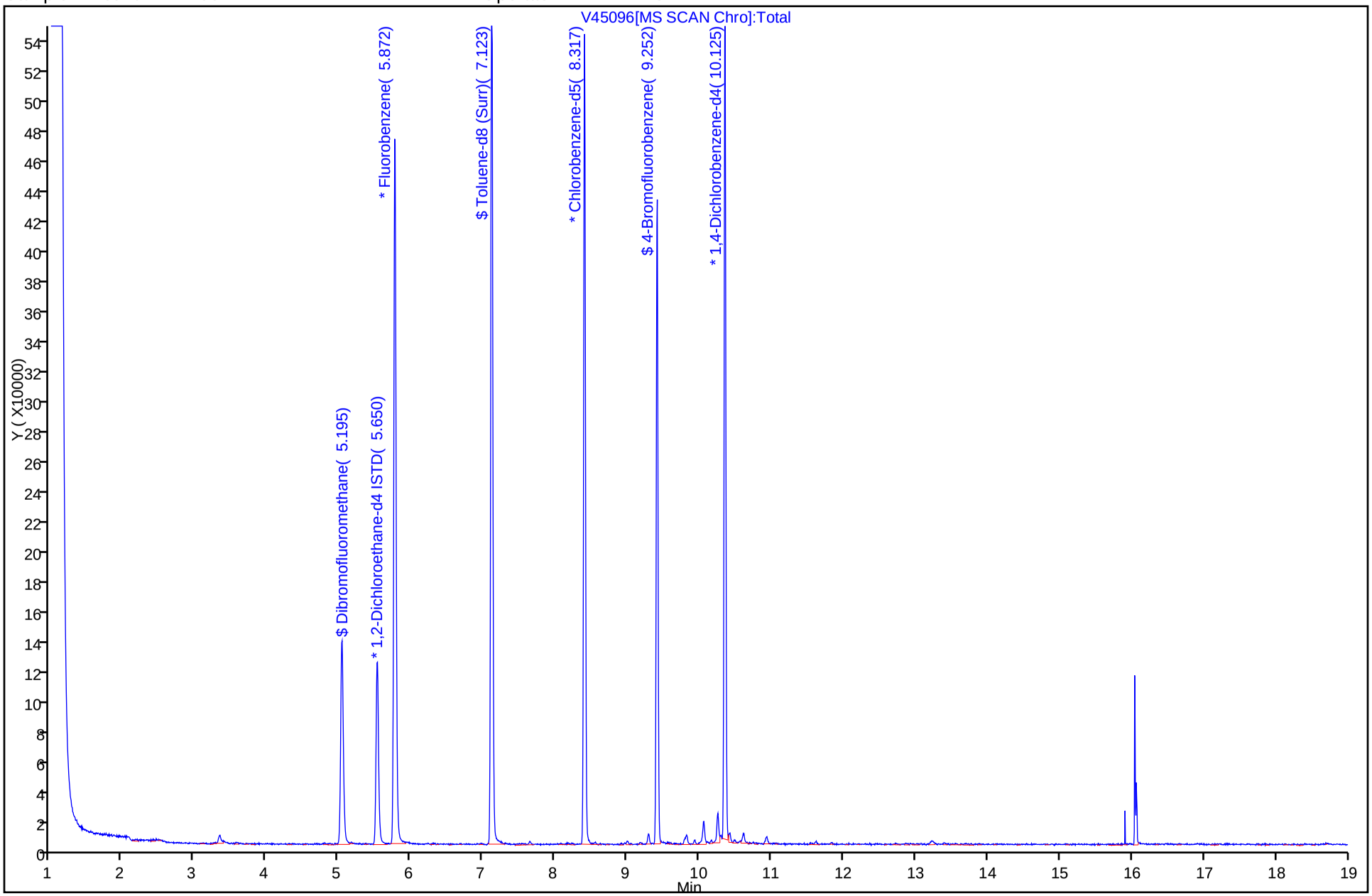
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	850826	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:11:30 Chrom Revision: 1.0.2009.910

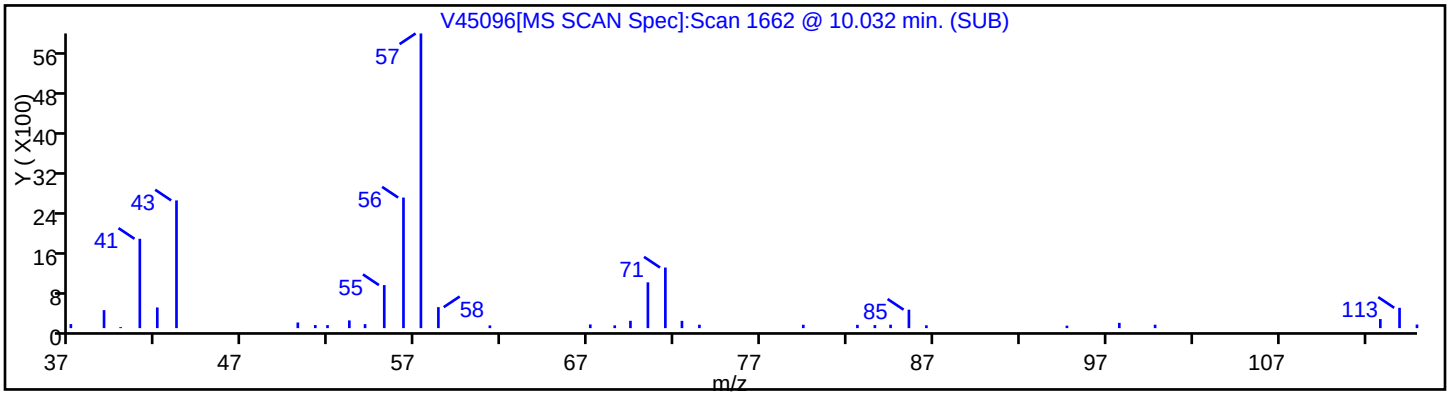
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45096.D		
Inj Date:	17-Sep-2009 17:20:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	11
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-10-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:11:30 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45096.D		
Inj Date:	17-Sep-2009 17:20:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	11
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-10-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: V45097.D

Analysis Method: 8260B | Date Collected: 09/15/2009 08:35

Sample wt/vol: 4.48(g) | Date Analyzed: 09/17/2009 17:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.7	1.5
71-55-6	1,1,1-Trichloroethane	ND		3.7	1.5
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.7	1.5
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	1.5
79-00-5	1,1,2-Trichloroethane	ND		3.7	1.5
75-34-3	1,1-Dichloroethane	ND		3.7	1.5
75-35-4	1,1-Dichloroethene	ND		3.7	1.5
563-58-6	1,1-Dichloropropene	ND		3.7	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		3.7	1.5
96-18-4	1,2,3-Trichloropropane	ND		3.7	2.2
120-82-1	1,2,4-Trichlorobenzene	ND		3.7	1.5
95-63-6	1,2,4-Trimethylbenzene	ND		3.7	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		37	2.7
106-93-4	Ethylene Dibromide	ND		3.7	1.5
95-50-1	1,2-Dichlorobenzene	ND		3.7	1.5
107-06-2	1,2-Dichloroethane	ND		3.7	1.5
67-64-1	Acetone	ND		370	27
78-87-5	1,2-Dichloropropane	ND		3.7	1.5
108-67-8	1,3,5-Trimethylbenzene	ND		3.7	1.5
541-73-1	1,3-Dichlorobenzene	ND		3.7	1.5
142-28-9	1,3-Dichloropropane	ND		3.7	1.5
106-46-7	1,4-Dichlorobenzene	ND		3.7	1.5
123-91-1	1,4-Dioxane	ND		370	49
594-20-7	2,2-Dichloropropane	ND		3.7	1.5
107-39-1	2,4,4-Trimethyl-1-pentene	ND		7.5	1.5
107-40-4	2,4,4-Trimethyl-2-pentene	ND		7.5	1.5
95-49-8	2-Chlorotoluene	ND		3.7	1.5
591-78-6	2-Hexanone	ND		37	7.7
106-43-4	4-Chlorotoluene	ND		3.7	1.5
71-43-2	Benzene	ND		3.7	1.5
108-86-1	Bromobenzene	ND		3.7	1.5
74-97-5	Chlorobromomethane	ND		3.7	1.5
75-27-4	Dichlorobromomethane	ND		3.7	1.5
75-25-2	Bromoform	ND		3.7	1.5
74-83-9	Bromomethane	ND		7.5	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: V45097.D

Analysis Method: 8260B | Date Collected: 09/15/2009 08:35

Sample wt/vol: 4.48(g) | Date Analyzed: 09/17/2009 17:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		3.7	1.5
75-15-0	Carbon disulfide	ND		3.7	1.5
56-23-5	Carbon tetrachloride	ND		3.7	1.5
108-90-7	Chlorobenzene	ND		3.7	1.5
75-00-3	Chloroethane	ND		7.5	1.5
67-66-3	Chloroform	ND		3.7	1.5
74-87-3	Chloromethane	ND		7.5	1.5
156-59-2	cis-1,2-Dichloroethene	ND		3.7	1.5
10061-01-5	cis-1,3-Dichloropropene	ND		3.7	1.5
110-82-7	Cyclohexane	ND		37	3.8
124-48-1	Chlorodibromomethane	ND		3.7	1.5
74-95-3	Dibromomethane	ND		3.7	1.5
75-71-8	Dichlorodifluoromethane	ND	*	7.5	1.5
60-29-7	Ethyl ether	ND		3.7	1.5
108-20-3	Isopropyl ether	ND		3.7	1.5
637-92-3	Tert-butyl ethyl ether	ND		3.7	3.7
100-41-4	Ethylbenzene	ND		3.7	1.5
87-68-3	Hexachlorobutadiene	ND		3.7	1.5
98-82-8	Isopropylbenzene	ND		3.7	1.5
79-20-9	Methyl acetate	ND		75	24
78-93-3	2-Butanone (MEK)	ND		37	10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		37	7.7
1634-04-4	Methyl tert-butyl ether	ND		3.7	1.5
108-87-2	Methylcyclohexane	ND		3.7	1.5
75-09-2	Methylene Chloride	ND		15	7.2
136777-61-2	m-Xylene & p-Xylene	ND		7.5	1.5
91-20-3	Naphthalene	ND		37	1.5
103-65-1	N-Propylbenzene	ND		3.7	1.5
95-47-6	o-Xylene	ND		3.7	1.5
99-87-6	4-Isopropyltoluene	ND		3.7	1.5
135-98-8	sec-Butylbenzene	ND		3.7	1.5
100-42-5	Styrene	ND		3.7	1.5
994-05-8	Tert-amyl methyl ether	ND		3.7	1.5
98-06-6	tert-Butylbenzene	ND		3.7	1.5
127-18-4	Tetrachloroethene	ND		3.7	1.5
109-99-9	Tetrahydrofuran	ND		37	8.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: V45097.D

Analysis Method: 8260B | Date Collected: 09/15/2009 08:35

Sample wt/vol: 4.48(g) | Date Analyzed: 09/17/2009 17:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		3.7	1.5
156-60-5	trans-1,2-Dichloroethene	ND		3.7	1.5
10061-02-6	trans-1,3-Dichloropropene	ND		3.7	1.5
79-01-6	Trichloroethene	ND		3.7	1.5
75-69-4	Trichlorofluoromethane	ND		7.5	1.5
75-01-4	Vinyl chloride	ND		3.7	1.5

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	104	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX Lab Sample ID: 360-24582-11

Matrix: Solid Lab File ID: V45097.D

Analysis Method: 8260B Date Collected: 09/15/2009 08:35

Sample wt/vol: 4.48(g) Date Analyzed: 09/17/2009 17:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 25.2 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	4.2	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45097.D		
Lims ID:	360-24582-C-11-A	Client ID:	OC-SS-406-0.0/1.0.-XXX
Inject. Date:	17-Sep-2009 17:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-11-A		
Misc. Info.:	360-0001210-012		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49101	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:15:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				1
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				79
$ 35 Dibromofluoromethane	113	5.191	5.190	0.001	96187	20.9	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				1
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.646	5.645	0.001	17081	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.873	5.872	0.001	395938	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.118	7.117	0.001	345010	19.6	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.317	8.311	0.006	226176	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.248	9.247	0.001	131909	20.4	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.126	10.120	0.006	105447	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:15:26 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45097.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45097.D		
Lims ID:	360-24582-C-11-A	Client ID:	OC-SS-406-0.0/1.0.-XXX
Inject. Date:	17-Sep-2009 17:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-11-A		
Misc. Info.:	360-0001210-012		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49101	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:15:26

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.033	23421	0.5630	94			

Quantitation Compounds

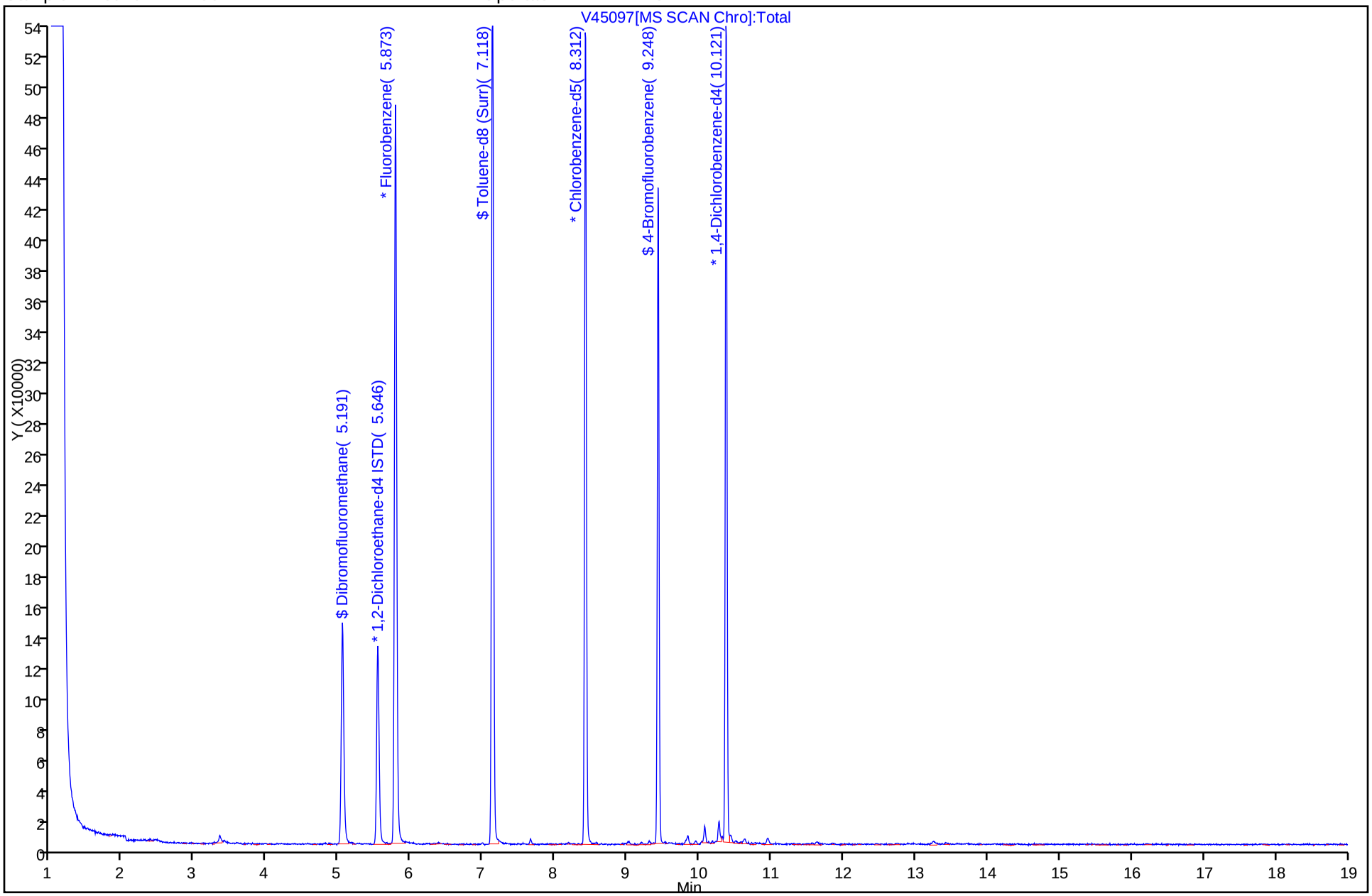
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.121	831973	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:15:26 Chrom Revision: 1.0.2009.910

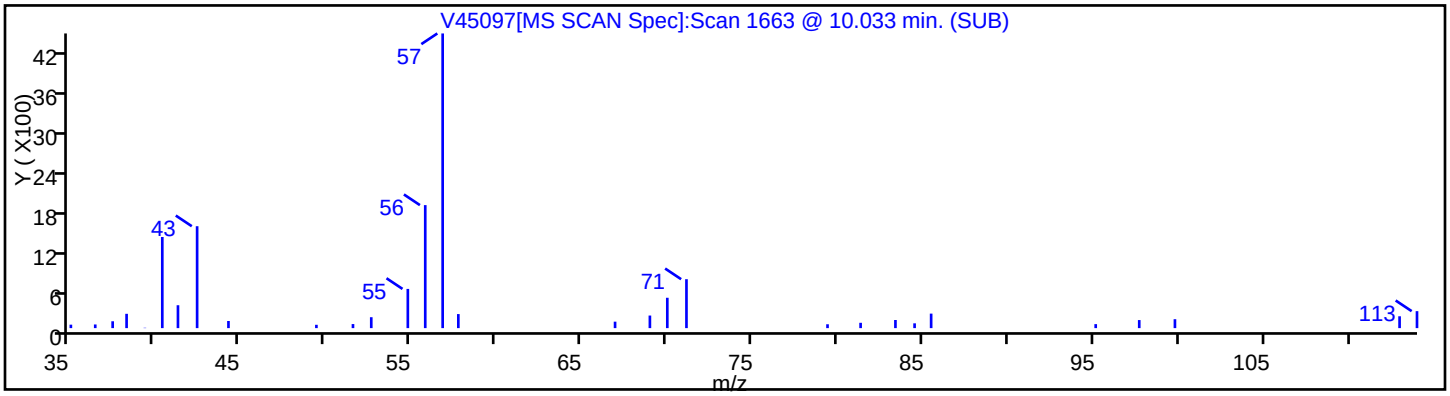
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45097.D		
Inj Date:	17-Sep-2009 17:44:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	12
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-11-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:15:26 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45097.D		
Inj Date:	17-Sep-2009 17:44:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	12
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-11-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: V45098.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:05

Sample wt/vol: 3.79(g) | Date Analyzed: 09/17/2009 18:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.7	1.5
71-55-6	1,1,1-Trichloroethane	ND		3.7	1.5
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.7	1.5
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	1.5
79-00-5	1,1,2-Trichloroethane	ND		3.7	1.5
75-34-3	1,1-Dichloroethane	ND		3.7	1.5
75-35-4	1,1-Dichloroethene	ND		3.7	1.5
563-58-6	1,1-Dichloropropene	ND		3.7	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		3.7	1.5
96-18-4	1,2,3-Trichloropropane	ND		3.7	2.2
120-82-1	1,2,4-Trichlorobenzene	ND		3.7	1.5
95-63-6	1,2,4-Trimethylbenzene	ND		3.7	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		37	2.7
106-93-4	Ethylene Dibromide	ND		3.7	1.5
95-50-1	1,2-Dichlorobenzene	ND		3.7	1.5
107-06-2	1,2-Dichloroethane	ND		3.7	1.5
67-64-1	Acetone	ND		370	27
78-87-5	1,2-Dichloropropane	ND		3.7	1.5
108-67-8	1,3,5-Trimethylbenzene	ND		3.7	1.5
541-73-1	1,3-Dichlorobenzene	ND		3.7	1.5
142-28-9	1,3-Dichloropropane	ND		3.7	1.5
106-46-7	1,4-Dichlorobenzene	ND		3.7	1.5
123-91-1	1,4-Dioxane	ND		370	49
594-20-7	2,2-Dichloropropane	ND		3.7	1.5
107-39-1	2,4,4-Trimethyl-1-pentene	ND		7.4	1.5
107-40-4	2,4,4-Trimethyl-2-pentene	ND		7.4	1.5
95-49-8	2-Chlorotoluene	ND		3.7	1.5
591-78-6	2-Hexanone	ND		37	7.6
106-43-4	4-Chlorotoluene	ND		3.7	1.5
71-43-2	Benzene	ND		3.7	1.5
108-86-1	Bromobenzene	ND		3.7	1.5
74-97-5	Chlorobromomethane	ND		3.7	1.5
75-27-4	Dichlorobromomethane	ND		3.7	1.5
75-25-2	Bromoform	ND		3.7	1.5
74-83-9	Bromomethane	ND		7.4	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: V45098.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:05

Sample wt/vol: 3.79(g) | Date Analyzed: 09/17/2009 18:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		3.7	1.5
75-15-0	Carbon disulfide	ND		3.7	1.5
56-23-5	Carbon tetrachloride	ND		3.7	1.5
108-90-7	Chlorobenzene	ND		3.7	1.5
75-00-3	Chloroethane	ND		7.4	1.5
67-66-3	Chloroform	ND		3.7	1.5
74-87-3	Chloromethane	ND		7.4	1.5
156-59-2	cis-1,2-Dichloroethene	ND		3.7	1.5
10061-01-5	cis-1,3-Dichloropropene	ND		3.7	1.5
110-82-7	Cyclohexane	ND		37	3.8
124-48-1	Chlorodibromomethane	ND		3.7	1.5
74-95-3	Dibromomethane	ND		3.7	1.5
75-71-8	Dichlorodifluoromethane	ND	*	7.4	1.5
60-29-7	Ethyl ether	ND		3.7	1.5
108-20-3	Isopropyl ether	ND		3.7	1.5
637-92-3	Tert-butyl ethyl ether	ND		3.7	3.7
100-41-4	Ethylbenzene	ND		3.7	1.5
87-68-3	Hexachlorobutadiene	ND		3.7	1.5
98-82-8	Isopropylbenzene	ND		3.7	1.5
79-20-9	Methyl acetate	ND		74	24
78-93-3	2-Butanone (MEK)	ND		37	10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		37	7.6
1634-04-4	Methyl tert-butyl ether	ND		3.7	1.5
108-87-2	Methylcyclohexane	ND		3.7	1.5
75-09-2	Methylene Chloride	ND		15	7.2
136777-61-2	m-Xylene & p-Xylene	ND		7.4	1.5
91-20-3	Naphthalene	ND		37	1.5
103-65-1	N-Propylbenzene	ND		3.7	1.5
95-47-6	o-Xylene	ND		3.7	1.5
99-87-6	4-Isopropyltoluene	ND		3.7	1.5
135-98-8	sec-Butylbenzene	ND		3.7	1.5
100-42-5	Styrene	ND		3.7	1.5
994-05-8	Tert-amyl methyl ether	ND		3.7	1.5
98-06-6	tert-Butylbenzene	ND		3.7	1.5
127-18-4	Tetrachloroethene	ND		3.7	1.5
109-99-9	Tetrahydrofuran	ND		37	8.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: V45098.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:05

Sample wt/vol: 3.79(g) | Date Analyzed: 09/17/2009 18:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		3.7	1.5
156-60-5	trans-1,2-Dichloroethene	ND		3.7	1.5
10061-02-6	trans-1,3-Dichloropropene	ND		3.7	1.5
79-01-6	Trichloroethene	ND		3.7	1.5
75-69-4	Trichlorofluoromethane	ND		7.4	1.5
75-01-4	Vinyl chloride	ND		3.7	1.5

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	103	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX Lab Sample ID: 360-24582-12

Matrix: Solid Lab File ID: V45098.D

Analysis Method: 8260B Date Collected: 09/15/2009 09:05

Sample wt/vol: 3.79(g) Date Analyzed: 09/17/2009 18:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.9 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 3.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	3.4	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45098.D		
Lims ID:	360-24582-C-12-A	Client ID:	OC-SS-407-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:07:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-12-A		
Misc. Info.:	360-0001210-013		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49101	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:15:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.190	5.190	0.000	93260	20.1	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				479
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.644	5.645	-0.001	17210	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.872	5.872	0.000	397860	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.117	7.117	0.000	355547	20.1	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.316	8.311	0.005	231684	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.251	9.247	0.004	136491	20.6	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	109921	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:15:53 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45098.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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: 18-Sep-2009 09:15:53 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45098.D		
Lims ID:	360-24582-C-12-A	Client ID:	OC-SS-407-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:07:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-12-A		
Misc. Info.:	360-0001210-013		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49101	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:15:52

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.032	20198	0.4636	94			

Quantitation Compounds

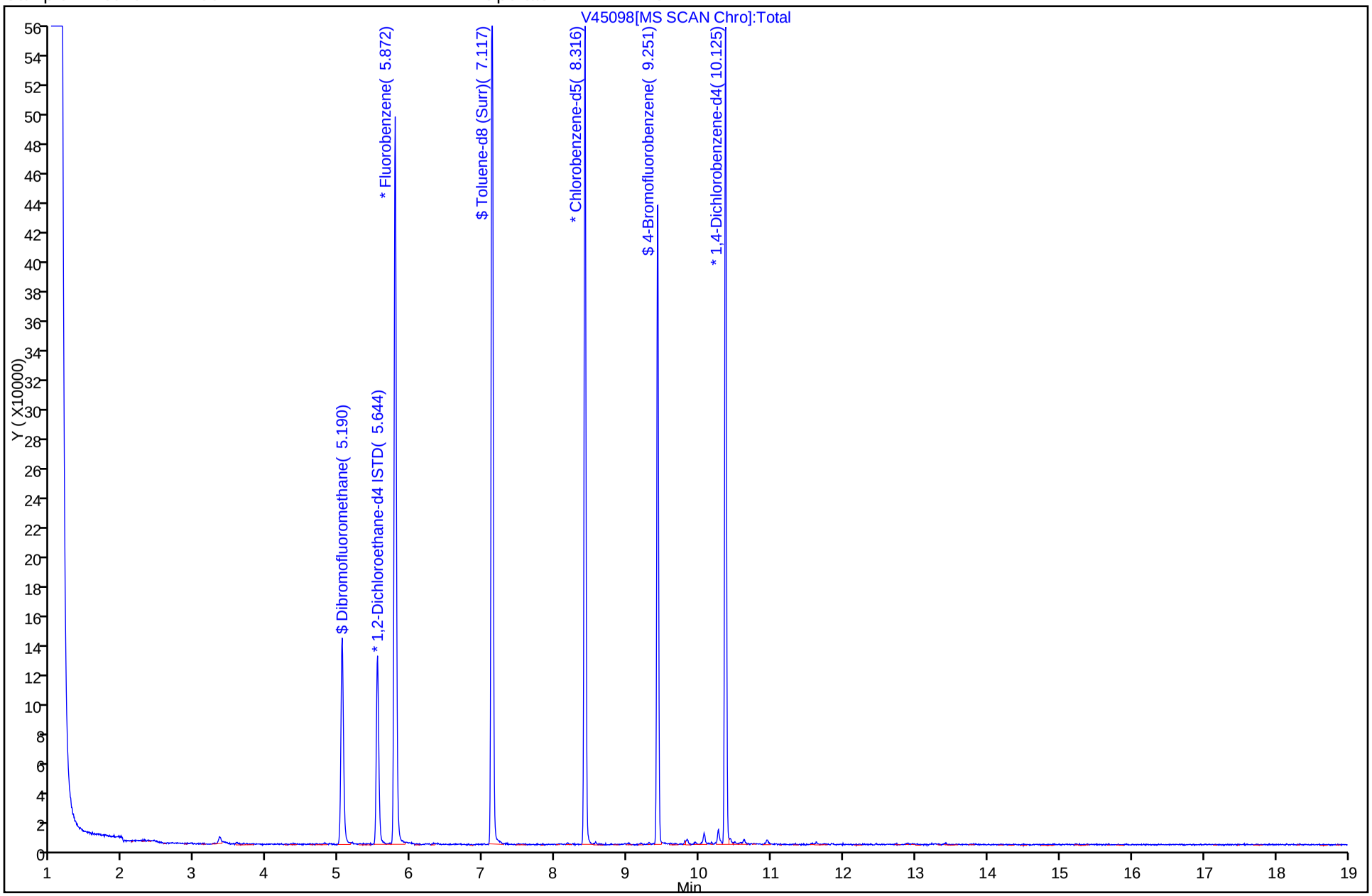
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	871273	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:15:53 Chrom Revision: 1.0.2009.910

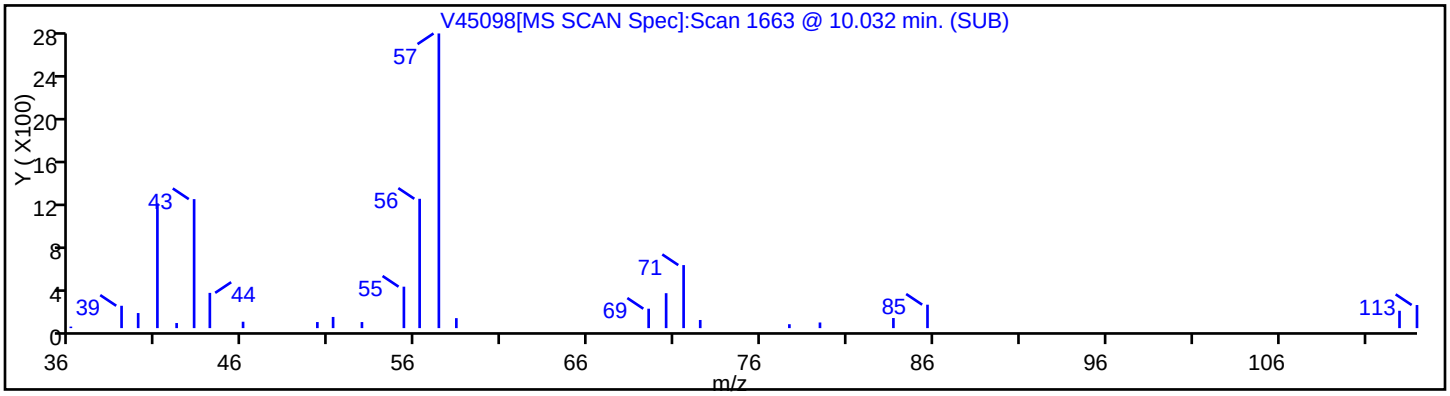
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45098.D		
Inj Date:	17-Sep-2009 18:07:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	13
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-12-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:15:53 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45098.D		
Inj Date:	17-Sep-2009 18:07:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	13
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-12-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: V45099.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:30

Sample wt/vol: 6.18(g) | Date Analyzed: 09/17/2009 18:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.4	0.96
71-55-6	1,1,1-Trichloroethane	ND		2.4	0.96
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.4	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	0.96
79-00-5	1,1,2-Trichloroethane	ND		2.4	0.96
75-34-3	1,1-Dichloroethane	ND		2.4	0.96
75-35-4	1,1-Dichloroethene	ND		2.4	0.96
563-58-6	1,1-Dichloropropene	ND		2.4	0.96
87-61-6	1,2,3-Trichlorobenzene	ND		2.4	0.96
96-18-4	1,2,3-Trichloropropane	ND		2.4	1.4
120-82-1	1,2,4-Trichlorobenzene	ND		2.4	0.96
95-63-6	1,2,4-Trimethylbenzene	ND		2.4	0.96
96-12-8	1,2-Dibromo-3-Chloropropane	ND		24	1.7
106-93-4	Ethylene Dibromide	ND		2.4	0.96
95-50-1	1,2-Dichlorobenzene	ND		2.4	0.96
107-06-2	1,2-Dichloroethane	ND		2.4	0.96
67-64-1	Acetone	ND		240	17
78-87-5	1,2-Dichloropropane	ND		2.4	0.96
108-67-8	1,3,5-Trimethylbenzene	ND		2.4	0.96
541-73-1	1,3-Dichlorobenzene	ND		2.4	0.96
142-28-9	1,3-Dichloropropane	ND		2.4	0.96
106-46-7	1,4-Dichlorobenzene	ND		2.4	0.96
123-91-1	1,4-Dioxane	ND		240	32
594-20-7	2,2-Dichloropropane	ND		2.4	0.96
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.8	0.96
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.8	0.96
95-49-8	2-Chlorotoluene	ND		2.4	0.96
591-78-6	2-Hexanone	ND		24	4.9
106-43-4	4-Chlorotoluene	ND		2.4	0.96
71-43-2	Benzene	ND		2.4	0.96
108-86-1	Bromobenzene	ND		2.4	0.96
74-97-5	Chlorobromomethane	ND		2.4	0.96
75-27-4	Dichlorobromomethane	ND		2.4	0.96
75-25-2	Bromoform	ND		2.4	0.96
74-83-9	Bromomethane	ND		4.8	0.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: V45099.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:30

Sample wt/vol: 6.18(g) | Date Analyzed: 09/17/2009 18:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.4	0.96
75-15-0	Carbon disulfide	ND		2.4	0.96
56-23-5	Carbon tetrachloride	ND		2.4	0.96
108-90-7	Chlorobenzene	ND		2.4	0.96
75-00-3	Chloroethane	ND		4.8	0.96
67-66-3	Chloroform	ND		2.4	0.96
74-87-3	Chloromethane	ND		4.8	0.96
156-59-2	cis-1,2-Dichloroethene	ND		2.4	0.96
10061-01-5	cis-1,3-Dichloropropene	ND		2.4	0.96
110-82-7	Cyclohexane	ND		24	2.5
124-48-1	Chlorodibromomethane	ND		2.4	0.96
74-95-3	Dibromomethane	ND		2.4	0.96
75-71-8	Dichlorodifluoromethane	ND	*	4.8	0.96
60-29-7	Ethyl ether	ND		2.4	0.96
108-20-3	Isopropyl ether	ND		2.4	0.96
637-92-3	Tert-butyl ethyl ether	ND		2.4	2.4
100-41-4	Ethylbenzene	ND		2.4	0.96
87-68-3	Hexachlorobutadiene	ND		2.4	0.96
98-82-8	Isopropylbenzene	ND		2.4	0.96
79-20-9	Methyl acetate	ND		48	16
78-93-3	2-Butanone (MEK)	ND		24	6.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	5.0
1634-04-4	Methyl tert-butyl ether	ND		2.4	0.96
108-87-2	Methylcyclohexane	ND		2.4	0.96
75-09-2	Methylene Chloride	ND		9.6	4.7
136777-61-2	m-Xylene & p-Xylene	ND		4.8	0.96
91-20-3	Naphthalene	ND		24	0.96
103-65-1	N-Propylbenzene	ND		2.4	0.96
95-47-6	o-Xylene	ND		2.4	0.96
99-87-6	4-Isopropyltoluene	ND		2.4	0.96
135-98-8	sec-Butylbenzene	ND		2.4	0.96
100-42-5	Styrene	ND		2.4	0.96
994-05-8	Tert-amyl methyl ether	ND		2.4	0.96
98-06-6	tert-Butylbenzene	ND		2.4	0.96
127-18-4	Tetrachloroethene	ND		2.4	0.96
109-99-9	Tetrahydrofuran	ND		24	5.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: V45099.D

Analysis Method: 8260B | Date Collected: 09/15/2009 09:30

Sample wt/vol: 6.18(g) | Date Analyzed: 09/17/2009 18:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.8 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.4	0.96
156-60-5	trans-1,2-Dichloroethene	ND		2.4	0.96
10061-02-6	trans-1,3-Dichloropropene	ND		2.4	0.96
79-01-6	Trichloroethene	ND		2.4	0.96
75-69-4	Trichlorofluoromethane	ND		4.8	0.96
75-01-4	Vinyl chloride	ND		2.4	0.96

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX Lab Sample ID: 360-24582-13

Matrix: Solid Lab File ID: V45099.D

Analysis Method: 8260B Date Collected: 09/15/2009 09:30

Sample wt/vol: 6.18(g) Date Analyzed: 09/17/2009 18:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.8 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	13.32	6.1	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45099.D		
Lims ID:	360-24582-C-13-A	Client ID:	OC-SS-408-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-13-A		
Misc. Info.:	360-0001210-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49101	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:16:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				47
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.189	5.190	-0.001	93175	20.3	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				79
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.645	0.004	16919	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.877	5.872	0.005	394845	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.122	7.117	0.005	350936	20.0	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.316	8.311	0.005	230272	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.251	9.247	0.004	135076	20.5	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	108309	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:16:22 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45099.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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: 18-Sep-2009 09:16:22 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45099.D		
Lims ID:	360-24582-C-13-A	Client ID:	OC-SS-408-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-13-A		
Misc. Info.:	360-0001210-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49101	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:16:22

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
13.324	54521	1.27	94			

Quantitation Compounds

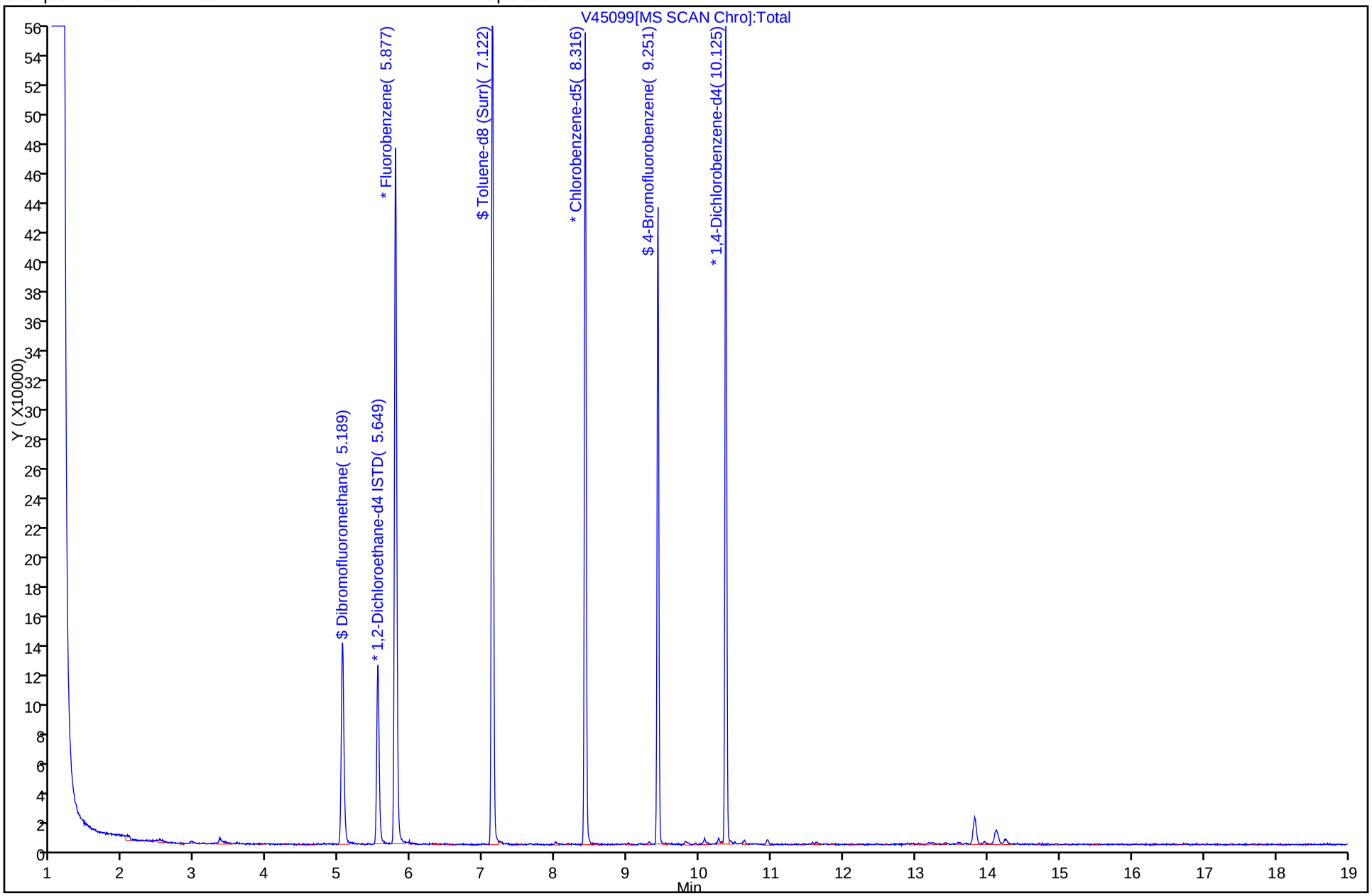
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	855493	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:16:22 Chrom Revision: 1.0.2009.910

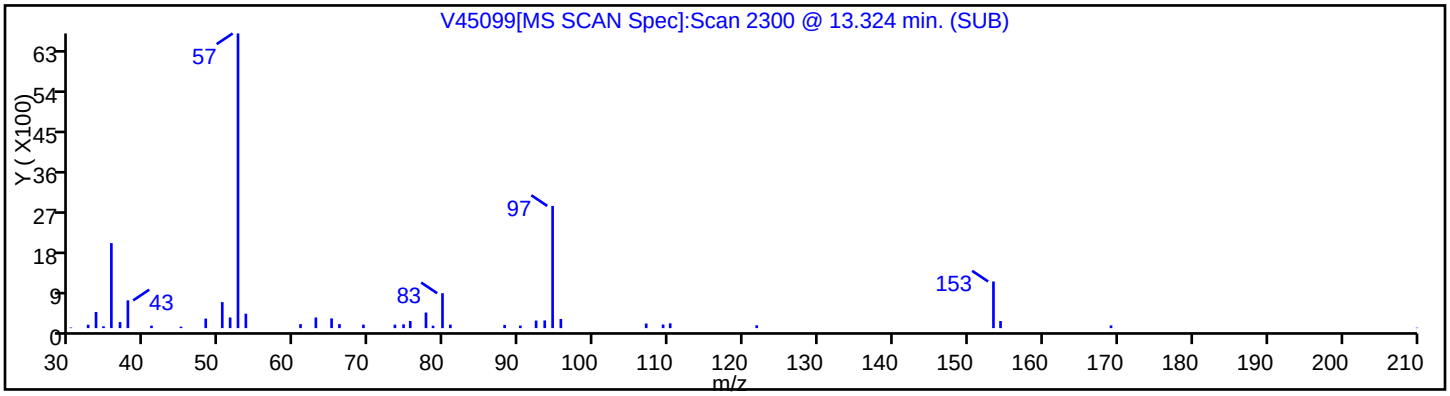
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45099.D		
Inj Date:	17-Sep-2009 18:30:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	14
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-13-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:16:22 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45099.D		
Inj Date:	17-Sep-2009 18:30:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	14
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-13-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: V45100.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5.25(g) | Date Analyzed: 09/17/2009 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.7 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	0.99
71-55-6	1,1,1-Trichloroethane	ND		2.5	0.99
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	0.99
79-00-5	1,1,2-Trichloroethane	ND		2.5	0.99
75-34-3	1,1-Dichloroethane	ND		2.5	0.99
75-35-4	1,1-Dichloroethene	ND		2.5	0.99
563-58-6	1,1-Dichloropropene	ND		2.5	0.99
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	0.99
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	0.99
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	0.99
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	0.99
95-50-1	1,2-Dichlorobenzene	ND		2.5	0.99
107-06-2	1,2-Dichloroethane	ND		2.5	0.99
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	0.99
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	0.99
541-73-1	1,3-Dichlorobenzene	ND		2.5	0.99
142-28-9	1,3-Dichloropropane	ND		2.5	0.99
106-46-7	1,4-Dichlorobenzene	ND		2.5	0.99
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	0.99
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.9	0.99
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.9	0.99
95-49-8	2-Chlorotoluene	ND		2.5	0.99
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	0.99
71-43-2	Benzene	ND		2.5	0.99
108-86-1	Bromobenzene	ND		2.5	0.99
74-97-5	Chlorobromomethane	ND		2.5	0.99
75-27-4	Dichlorobromomethane	ND		2.5	0.99
75-25-2	Bromoform	ND		2.5	0.99
74-83-9	Bromomethane	ND		4.9	0.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: V45100.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5.25(g) | Date Analyzed: 09/17/2009 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.7 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	0.99
75-15-0	Carbon disulfide	ND		2.5	0.99
56-23-5	Carbon tetrachloride	ND		2.5	0.99
108-90-7	Chlorobenzene	ND		2.5	0.99
75-00-3	Chloroethane	ND		4.9	0.99
67-66-3	Chloroform	ND		2.5	0.99
74-87-3	Chloromethane	ND		4.9	0.99
156-59-2	cis-1,2-Dichloroethene	ND		2.5	0.99
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	0.99
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	0.99
74-95-3	Dibromomethane	ND		2.5	0.99
75-71-8	Dichlorodifluoromethane	ND	*	4.9	0.99
60-29-7	Ethyl ether	ND		2.5	0.99
108-20-3	Isopropyl ether	ND		2.5	0.99
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	0.99
87-68-3	Hexachlorobutadiene	ND		2.5	0.99
98-82-8	Isopropylbenzene	ND		2.5	0.99
79-20-9	Methyl acetate	ND		49	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.1
1634-04-4	Methyl tert-butyl ether	ND		2.5	0.99
108-87-2	Methylcyclohexane	ND		2.5	0.99
75-09-2	Methylene Chloride	ND		9.9	4.8
136777-61-2	m-Xylene & p-Xylene	ND		4.9	0.99
91-20-3	Naphthalene	ND		25	0.99
103-65-1	N-Propylbenzene	ND		2.5	0.99
95-47-6	o-Xylene	ND		2.5	0.99
99-87-6	4-Isopropyltoluene	ND		2.5	0.99
135-98-8	sec-Butylbenzene	ND		2.5	0.99
100-42-5	Styrene	ND		2.5	0.99
994-05-8	Tert-amyl methyl ether	ND		2.5	0.99
98-06-6	tert-Butylbenzene	ND		2.5	0.99
127-18-4	Tetrachloroethene	ND		2.5	0.99
109-99-9	Tetrahydrofuran	ND		25	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: V45100.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5.25(g) | Date Analyzed: 09/17/2009 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.7 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	0.99
156-60-5	trans-1,2-Dichloroethene	ND		2.5	0.99
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	0.99
79-01-6	Trichloroethene	ND		2.5	0.99
75-69-4	Trichlorofluoromethane	ND		4.9	0.99
75-01-4	Vinyl chloride	ND		2.5	0.99

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	92	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	104	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX Lab Sample ID: 360-24582-14

Matrix: Solid Lab File ID: V45100.D

Analysis Method: 8260B Date Collected: 09/15/2009 10:00

Sample wt/vol: 5.25(g) Date Analyzed: 09/17/2009 18:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.7 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	2.2	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45100.D		
Lims ID:	360-24582-C-14-A	Client ID:	OC-SS-409-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-14-A		
Misc. Info.:	360-0001210-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49101	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:17:06

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.197	5.190	0.007	122911	19.7	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				1
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.652	5.645	0.007	24049	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.880	5.872	0.008	535105	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.032	0.003	16	0.003194	
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.125	7.117	0.008	495449	20.9	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.319	8.311	0.008	321554	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.254	9.247	0.007	168697	18.3	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.128	10.120	0.008	130146	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:17:06 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45100.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45100.D		
Lims ID:	360-24582-C-14-A	Client ID:	OC-SS-409-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 18:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-14-A		
Misc. Info.:	360-0001210-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49101	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:17:06

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.029	21708	0.4436	94			

Quantitation Compounds

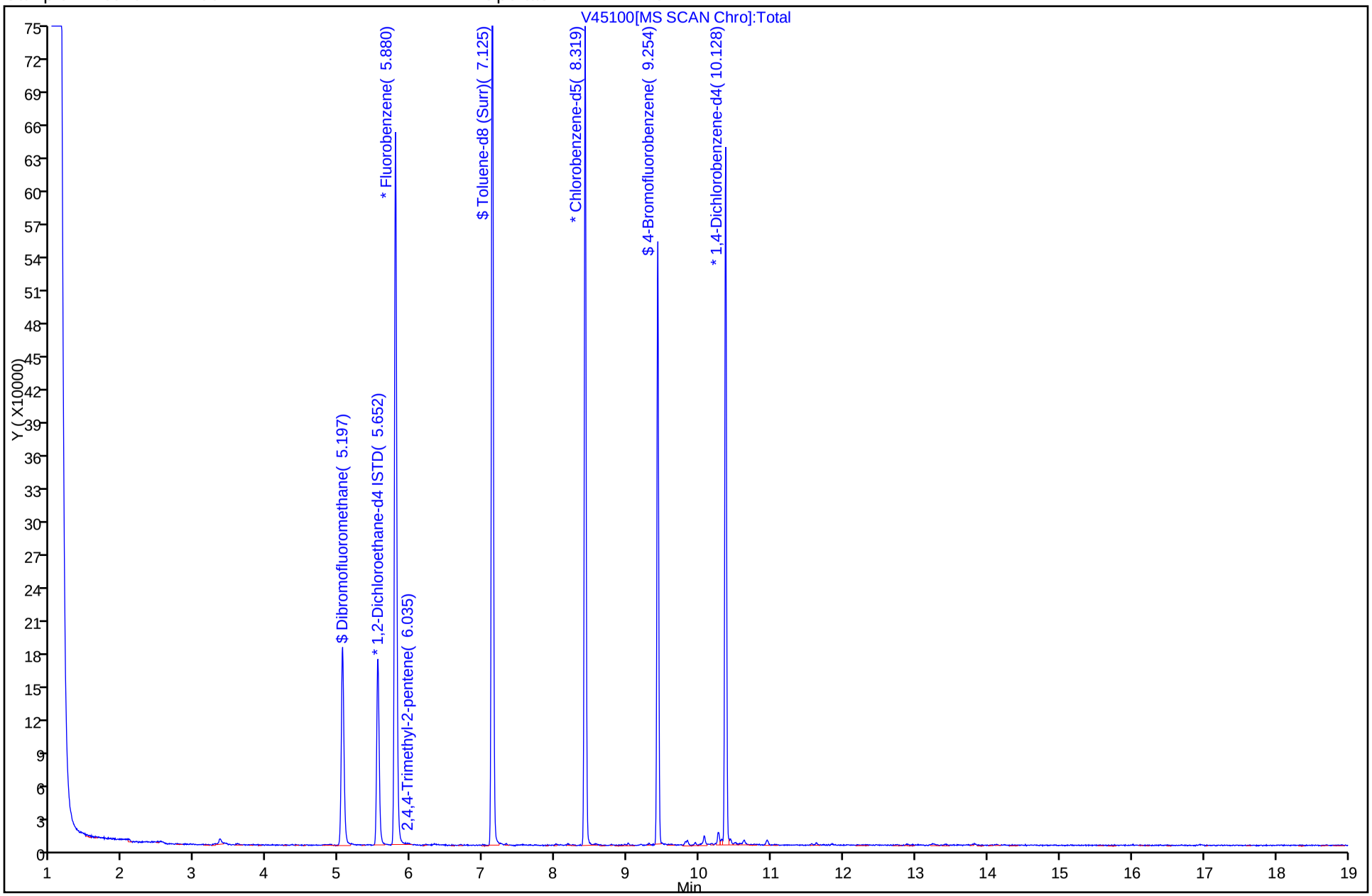
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.128	978811	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:17:06 Chrom Revision: 1.0.2009.910

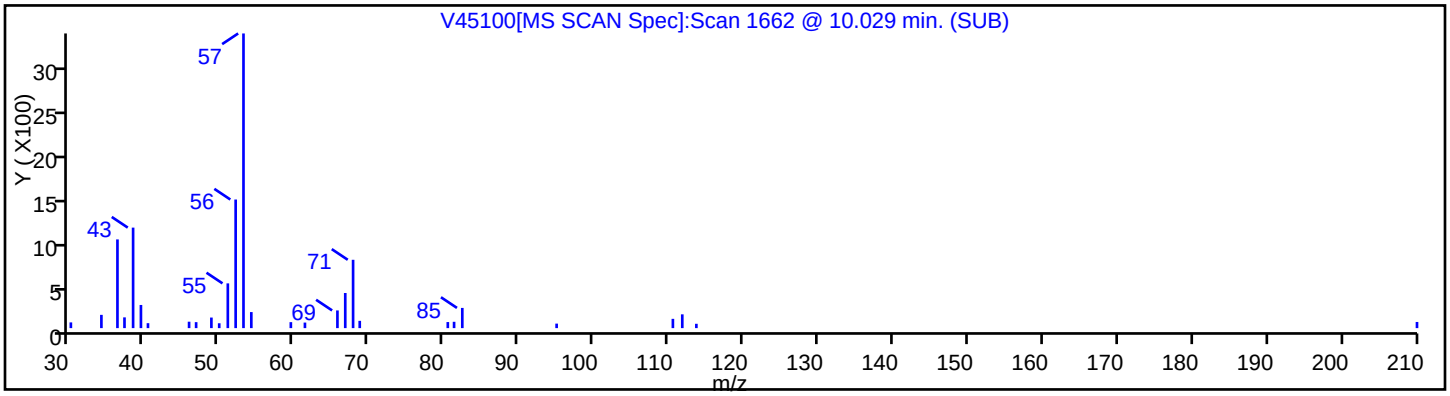
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45100.D		
Inj Date:	17-Sep-2009 18:56:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	15
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-14-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:17:07 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45100.D		
Inj Date:	17-Sep-2009 18:56:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	15
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-14-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: V45101.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:55

Sample wt/vol: 3.06(g) | Date Analyzed: 09/17/2009 19:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 58.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		9.9	4.0
71-55-6	1,1,1-Trichloroethane	ND		9.9	4.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		9.9	4.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	4.0
79-00-5	1,1,2-Trichloroethane	ND		9.9	4.0
75-34-3	1,1-Dichloroethane	ND		9.9	4.0
75-35-4	1,1-Dichloroethene	ND		9.9	4.0
563-58-6	1,1-Dichloropropene	ND		9.9	4.0
87-61-6	1,2,3-Trichlorobenzene	ND		9.9	4.0
96-18-4	1,2,3-Trichloropropane	ND		9.9	5.9
120-82-1	1,2,4-Trichlorobenzene	ND		9.9	4.0
95-63-6	1,2,4-Trimethylbenzene	ND		9.9	4.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		99	7.1
106-93-4	Ethylene Dibromide	ND		9.9	4.0
95-50-1	1,2-Dichlorobenzene	ND		9.9	4.0
107-06-2	1,2-Dichloroethane	ND		9.9	4.0
67-64-1	Acetone	ND		990	71
78-87-5	1,2-Dichloropropane	ND		9.9	4.0
108-67-8	1,3,5-Trimethylbenzene	ND		9.9	4.0
541-73-1	1,3-Dichlorobenzene	ND		9.9	4.0
142-28-9	1,3-Dichloropropane	ND		9.9	4.0
106-46-7	1,4-Dichlorobenzene	ND		9.9	4.0
123-91-1	1,4-Dioxane	ND		990	130
594-20-7	2,2-Dichloropropane	ND		9.9	4.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		20	4.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		20	4.0
95-49-8	2-Chlorotoluene	ND		9.9	4.0
591-78-6	2-Hexanone	ND		99	20
106-43-4	4-Chlorotoluene	ND		9.9	4.0
71-43-2	Benzene	ND		9.9	4.0
108-86-1	Bromobenzene	ND		9.9	4.0
74-97-5	Chlorobromomethane	ND		9.9	4.0
75-27-4	Dichlorobromomethane	ND		9.9	4.0
75-25-2	Bromoform	ND		9.9	4.0
74-83-9	Bromomethane	ND		20	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: V45101.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:55

Sample wt/vol: 3.06(g) | Date Analyzed: 09/17/2009 19:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 58.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		9.9	4.0
75-15-0	Carbon disulfide	ND		9.9	4.0
56-23-5	Carbon tetrachloride	ND		9.9	4.0
108-90-7	Chlorobenzene	ND		9.9	4.0
75-00-3	Chloroethane	ND		20	4.0
67-66-3	Chloroform	ND		9.9	4.0
74-87-3	Chloromethane	ND		20	4.0
156-59-2	cis-1,2-Dichloroethene	ND		9.9	4.0
10061-01-5	cis-1,3-Dichloropropene	ND		9.9	4.0
110-82-7	Cyclohexane	ND		99	10
124-48-1	Chlorodibromomethane	ND		9.9	4.0
74-95-3	Dibromomethane	ND		9.9	4.0
75-71-8	Dichlorodifluoromethane	ND	*	20	4.0
60-29-7	Ethyl ether	ND		9.9	4.0
108-20-3	Isopropyl ether	ND		9.9	4.0
637-92-3	Tert-butyl ethyl ether	ND		9.9	9.9
100-41-4	Ethylbenzene	ND		9.9	4.0
87-68-3	Hexachlorobutadiene	ND		9.9	4.0
98-82-8	Isopropylbenzene	ND		9.9	4.0
79-20-9	Methyl acetate	ND		200	65
78-93-3	2-Butanone (MEK)	ND		99	27
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		99	21
1634-04-4	Methyl tert-butyl ether	ND		9.9	4.0
108-87-2	Methylcyclohexane	ND		9.9	4.0
75-09-2	Methylene Chloride	ND		40	19
136777-61-2	m-Xylene & p-Xylene	ND		20	4.0
91-20-3	Naphthalene	ND		99	4.0
103-65-1	N-Propylbenzene	ND		9.9	4.0
95-47-6	o-Xylene	ND		9.9	4.0
99-87-6	4-Isopropyltoluene	ND		9.9	4.0
135-98-8	sec-Butylbenzene	ND		9.9	4.0
100-42-5	Styrene	ND		9.9	4.0
994-05-8	Tert-amyl methyl ether	ND		9.9	4.0
98-06-6	tert-Butylbenzene	ND		9.9	4.0
127-18-4	Tetrachloroethene	ND		9.9	4.0
109-99-9	Tetrahydrofuran	ND		99	22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: V45101.D

Analysis Method: 8260B | Date Collected: 09/15/2009 10:55

Sample wt/vol: 3.06(g) | Date Analyzed: 09/17/2009 19:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 58.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		9.9	4.0
156-60-5	trans-1,2-Dichloroethene	ND		9.9	4.0
10061-02-6	trans-1,3-Dichloropropene	ND		9.9	4.0
79-01-6	Trichloroethene	ND		9.9	4.0
75-69-4	Trichlorofluoromethane	ND		20	4.0
75-01-4	Vinyl chloride	ND		9.9	4.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	100	70-130	
1868-53-7	Dibromofluoromethane	105	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX Lab Sample ID: 360-24582-16

Matrix: Solid Lab File ID: V45101.D

Analysis Method: 8260B Date Collected: 09/15/2009 10:55

Sample wt/vol: 3.06(g) Date Analyzed: 09/17/2009 19:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 58.9 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45101.D		
Lims ID:	360-24582-C-16-A	Client ID:	OC-SS-411-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 19:20:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-16-A		
Misc. Info.:	360-0001210-016		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49101	Lims Sample ID:	16
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:17:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.200	5.190	0.010	95872	21.0	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				47
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.645	0.009	16822	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.882	5.872	0.010	392784	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.127	7.117	0.010	351628	20.2	
59 Toluene	92		7.159				479
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.321	8.311	0.010	228511	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.251	9.247	0.004	130929	20.0	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.120	0.010	109276	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:17:34 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45101.D

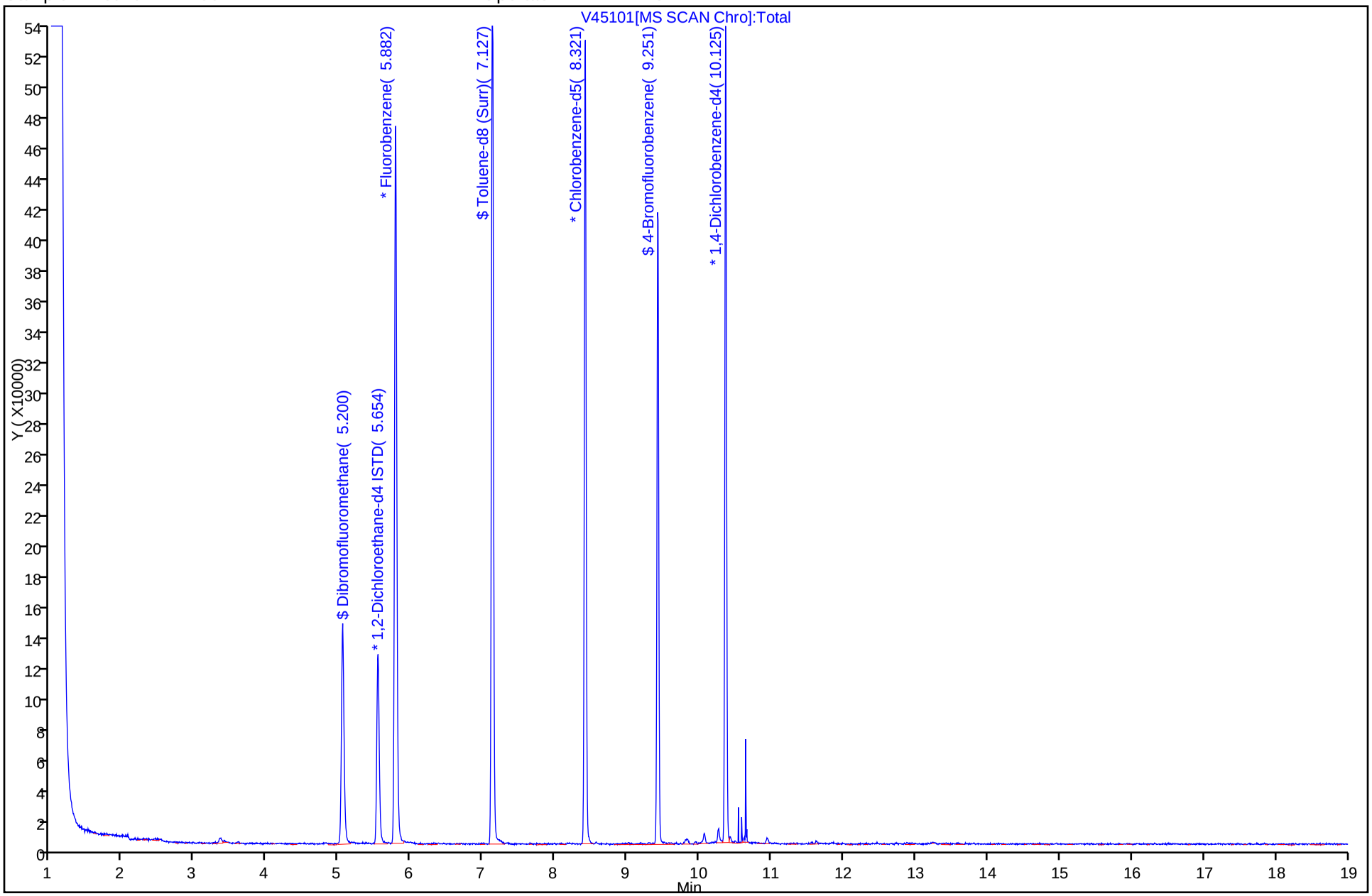
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				1

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: 18-Sep-2009 09:17:34 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45101.D		
Inj Date:	17-Sep-2009 19:20:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	16
Client ID:	OC-SS-411-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-16-A		
Sample Amount:	1.00	Operator:	CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: V45102.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:20

Sample wt/vol: 5.06(g) | Date Analyzed: 09/17/2009 19:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	1.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.1
563-58-6	1,1-Dichloropropene	ND		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
67-64-1	Acetone	ND		270	19
78-87-5	1,2-Dichloropropane	ND		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
123-91-1	1,4-Dioxane	ND		270	35
594-20-7	2,2-Dichloropropane	ND		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.4	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.4	1.1
95-49-8	2-Chlorotoluene	ND		2.7	1.1
591-78-6	2-Hexanone	ND		27	5.5
106-43-4	4-Chlorotoluene	ND		2.7	1.1
71-43-2	Benzene	ND		2.7	1.1
108-86-1	Bromobenzene	ND		2.7	1.1
74-97-5	Chlorobromomethane	ND		2.7	1.1
75-27-4	Dichlorobromomethane	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.1
74-83-9	Bromomethane	ND		5.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: V45102.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:20

Sample wt/vol: 5.06(g) | Date Analyzed: 09/17/2009 19:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.7	1.1
75-15-0	Carbon disulfide	ND		2.7	1.1
56-23-5	Carbon tetrachloride	ND		2.7	1.1
108-90-7	Chlorobenzene	ND		2.7	1.1
75-00-3	Chloroethane	ND		5.4	1.1
67-66-3	Chloroform	ND		2.7	1.1
74-87-3	Chloromethane	ND		5.4	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
110-82-7	Cyclohexane	ND		27	2.8
124-48-1	Chlorodibromomethane	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.4	1.1
60-29-7	Ethyl ether	ND		2.7	1.1
108-20-3	Isopropyl ether	ND		2.7	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.7	2.7
100-41-4	Ethylbenzene	ND		2.7	1.1
87-68-3	Hexachlorobutadiene	ND		2.7	1.1
98-82-8	Isopropylbenzene	ND		2.7	1.1
79-20-9	Methyl acetate	ND		54	17
78-93-3	2-Butanone (MEK)	ND		27	7.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	5.6
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.1
108-87-2	Methylcyclohexane	ND		2.7	1.1
75-09-2	Methylene Chloride	ND		11	5.2
136777-61-2	m-Xylene & p-Xylene	ND		5.4	1.1
91-20-3	Naphthalene	ND		27	1.1
103-65-1	N-Propylbenzene	ND		2.7	1.1
95-47-6	o-Xylene	ND		2.7	1.1
99-87-6	4-Isopropyltoluene	ND		2.7	1.1
135-98-8	sec-Butylbenzene	ND		2.7	1.1
100-42-5	Styrene	ND		2.7	1.1
994-05-8	Tert-amyl methyl ether	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.1
127-18-4	Tetrachloroethene	ND		2.7	1.1
109-99-9	Tetrahydrofuran	ND		27	5.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: V45102.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:20

Sample wt/vol: 5.06(g) | Date Analyzed: 09/17/2009 19:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
79-01-6	Trichloroethene	ND		2.7	1.1
75-69-4	Trichlorofluoromethane	ND		5.4	1.1
75-01-4	Vinyl chloride	ND		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	95	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	103	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX Lab Sample ID: 360-24582-17

Matrix: Solid Lab File ID: V45102.D

Analysis Method: 8260B Date Collected: 09/15/2009 11:20

Sample wt/vol: 5.06(g) Date Analyzed: 09/17/2009 19:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.04	4.8	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45102.D		
Lims ID:	360-24582-C-17-A	Client ID:	OC-SS-412-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 19:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-17-A		
Misc. Info.:	360-0001210-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49101	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:18:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				47
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.204	5.190	0.014	105797	19.8	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				1
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.653	5.645	0.008	20115	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.886	5.872	0.014	459145	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.126	7.117	0.009	420546	20.6	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.320	8.311	0.009	277919	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.255	9.247	0.008	151419	19.0	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.129	10.120	0.009	125126	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:18:10 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45102.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45102.D		
Lims ID:	360-24582-C-17-A	Client ID:	OC-SS-412-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 19:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-17-A		
Misc. Info.:	360-0001210-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49101	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:18:10

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.036	41271	0.8837	94			

Quantitation Compounds

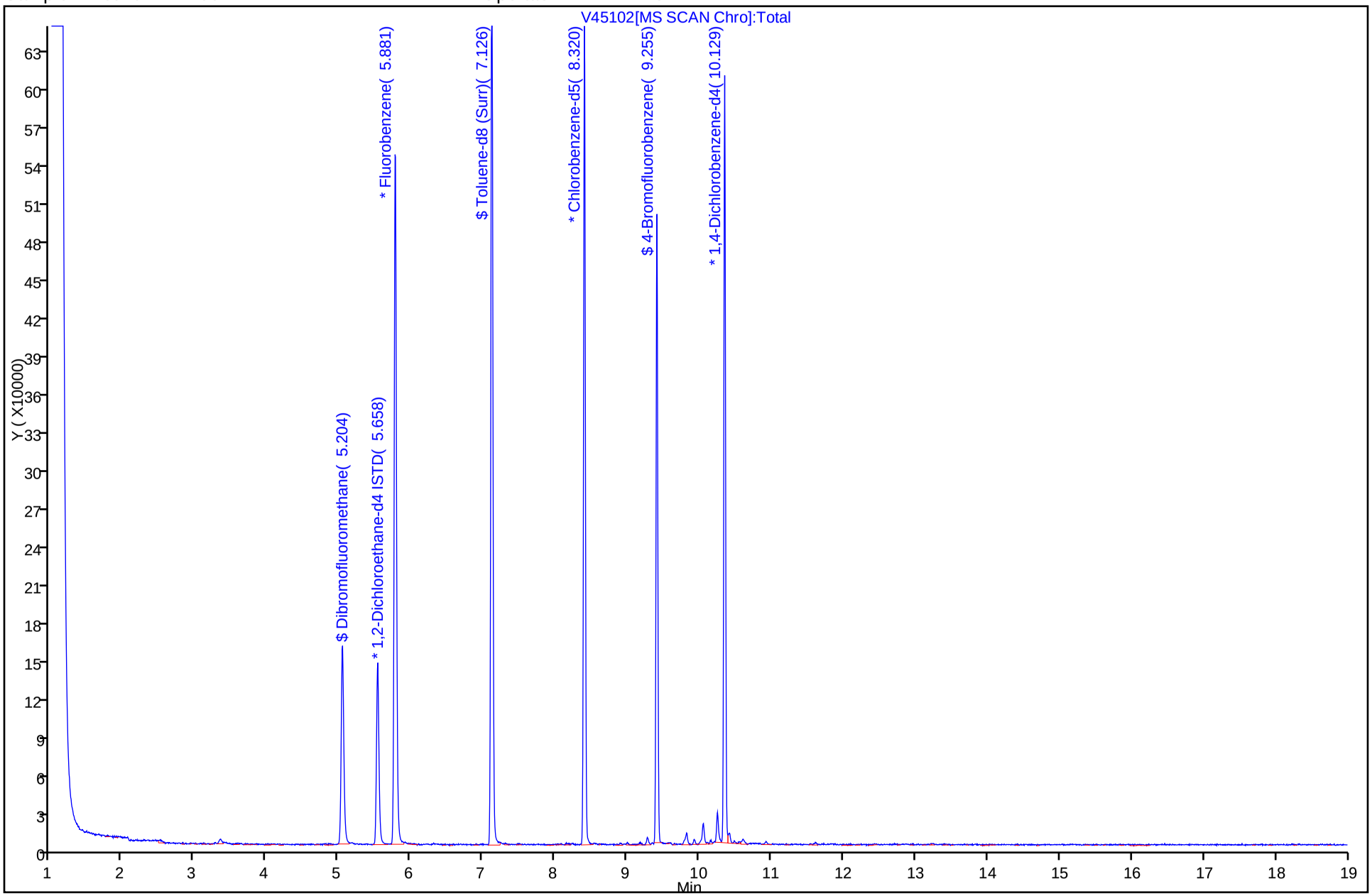
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.129	934099	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:18:10 Chrom Revision: 1.0.2009.910

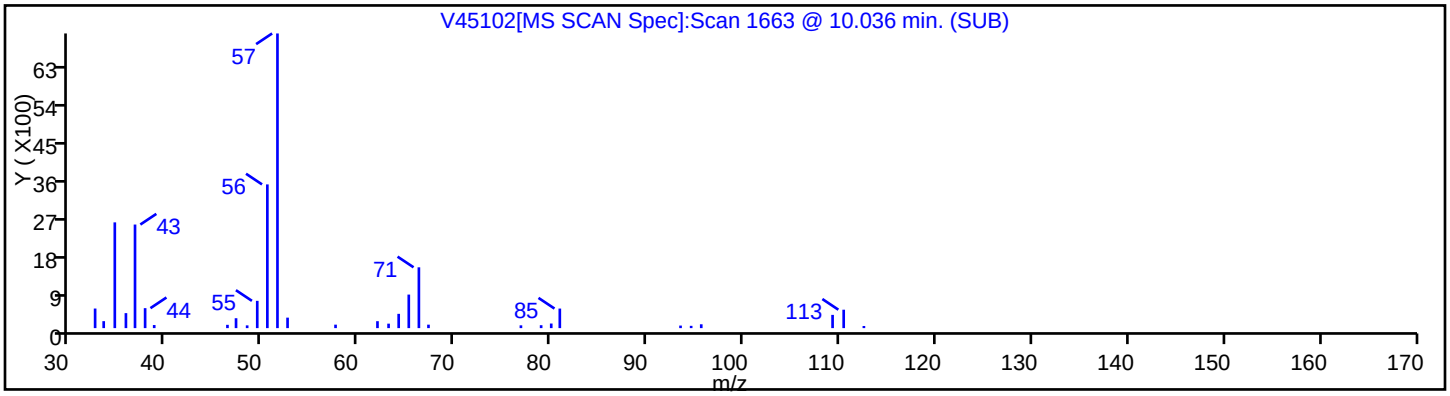
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45102.D		
Inj Date:	17-Sep-2009 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	17
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-17-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:18:10 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45102.D		
Inj Date:	17-Sep-2009 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	17
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-17-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: V45103.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:55

Sample wt/vol: 5.13(g) | Date Analyzed: 09/17/2009 20:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.6	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.6	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.6	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.6	1.0
75-34-3	1,1-Dichloroethane	ND		2.6	1.0
75-35-4	1,1-Dichloroethene	ND		2.6	1.0
563-58-6	1,1-Dichloropropene	ND		2.6	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.6	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.6	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.6	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	1.9
106-93-4	Ethylene Dibromide	ND		2.6	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.6	1.0
107-06-2	1,2-Dichloroethane	ND		2.6	1.0
67-64-1	Acetone	ND		260	19
78-87-5	1,2-Dichloropropane	ND		2.6	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.6	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.6	1.0
142-28-9	1,3-Dichloropropane	ND		2.6	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.6	1.0
123-91-1	1,4-Dioxane	ND		260	35
594-20-7	2,2-Dichloropropane	ND		2.6	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.2	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.2	1.0
95-49-8	2-Chlorotoluene	ND		2.6	1.0
591-78-6	2-Hexanone	ND		26	5.4
106-43-4	4-Chlorotoluene	ND		2.6	1.0
71-43-2	Benzene	ND		2.6	1.0
108-86-1	Bromobenzene	ND		2.6	1.0
74-97-5	Chlorobromomethane	ND		2.6	1.0
75-27-4	Dichlorobromomethane	ND		2.6	1.0
75-25-2	Bromoform	ND		2.6	1.0
74-83-9	Bromomethane	ND		5.2	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: V45103.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:55

Sample wt/vol: 5.13(g) | Date Analyzed: 09/17/2009 20:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.6	1.0
75-15-0	Carbon disulfide	ND		2.6	1.0
56-23-5	Carbon tetrachloride	ND		2.6	1.0
108-90-7	Chlorobenzene	ND		2.6	1.0
75-00-3	Chloroethane	ND		5.2	1.0
67-66-3	Chloroform	ND		2.6	1.0
74-87-3	Chloromethane	ND		5.2	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.6	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.6	1.0
110-82-7	Cyclohexane	ND		26	2.7
124-48-1	Chlorodibromomethane	ND		2.6	1.0
74-95-3	Dibromomethane	ND		2.6	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.2	1.0
60-29-7	Ethyl ether	ND		2.6	1.0
108-20-3	Isopropyl ether	ND		2.6	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.6	2.6
100-41-4	Ethylbenzene	ND		2.6	1.0
87-68-3	Hexachlorobutadiene	ND		2.6	1.0
98-82-8	Isopropylbenzene	ND		2.6	1.0
79-20-9	Methyl acetate	ND		52	17
78-93-3	2-Butanone (MEK)	ND		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	5.4
1634-04-4	Methyl tert-butyl ether	ND		2.6	1.0
108-87-2	Methylcyclohexane	ND		2.6	1.0
75-09-2	Methylene Chloride	ND		10	5.1
136777-61-2	m-Xylene & p-Xylene	ND		5.2	1.0
91-20-3	Naphthalene	ND		26	1.0
103-65-1	N-Propylbenzene	ND		2.6	1.0
95-47-6	o-Xylene	ND		2.6	1.0
99-87-6	4-Isopropyltoluene	ND		2.6	1.0
135-98-8	sec-Butylbenzene	ND		2.6	1.0
100-42-5	Styrene	ND		2.6	1.0
994-05-8	Tert-amyl methyl ether	ND		2.6	1.0
98-06-6	tert-Butylbenzene	ND		2.6	1.0
127-18-4	Tetrachloroethene	ND		2.6	1.0
109-99-9	Tetrahydrofuran	ND		26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: V45103.D

Analysis Method: 8260B | Date Collected: 09/15/2009 11:55

Sample wt/vol: 5.13(g) | Date Analyzed: 09/17/2009 20:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.9 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.6	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.6	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.6	1.0
79-01-6	Trichloroethene	ND		2.6	1.0
75-69-4	Trichlorofluoromethane	ND		5.2	1.0
75-01-4	Vinyl chloride	ND		2.6	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	101	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX Lab Sample ID: 360-24582-19

Matrix: Solid Lab File ID: V45103.D

Analysis Method: 8260B Date Collected: 09/15/2009 11:55

Sample wt/vol: 5.13(g) Date Analyzed: 09/17/2009 20:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.9 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 7.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.03	7.7	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45103.D		
Lims ID:	360-24582-C-19-A	Client ID:	OC-SS-414-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 20:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-19-A		
Misc. Info.:	360-0001210-018		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	49101	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 18-Sep-2009 09:18:37

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				47
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.200	5.190	0.010	100480	20.7	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				79
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.655	5.645	0.010	18047	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.882	5.872	0.010	417552	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.128	7.117	0.011	377628	20.4	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.321	8.311	0.010	251095	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.252	9.247	0.005	144992	20.2	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	124793	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:18:37 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45103.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45103.D		
Lims ID:	360-24582-C-19-A	Client ID:	OC-SS-414-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 20:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-19-A		
Misc. Info.:	360-0001210-018		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	49101	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:18:37

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.032	68187	1.46	94			

Quantitation Compounds

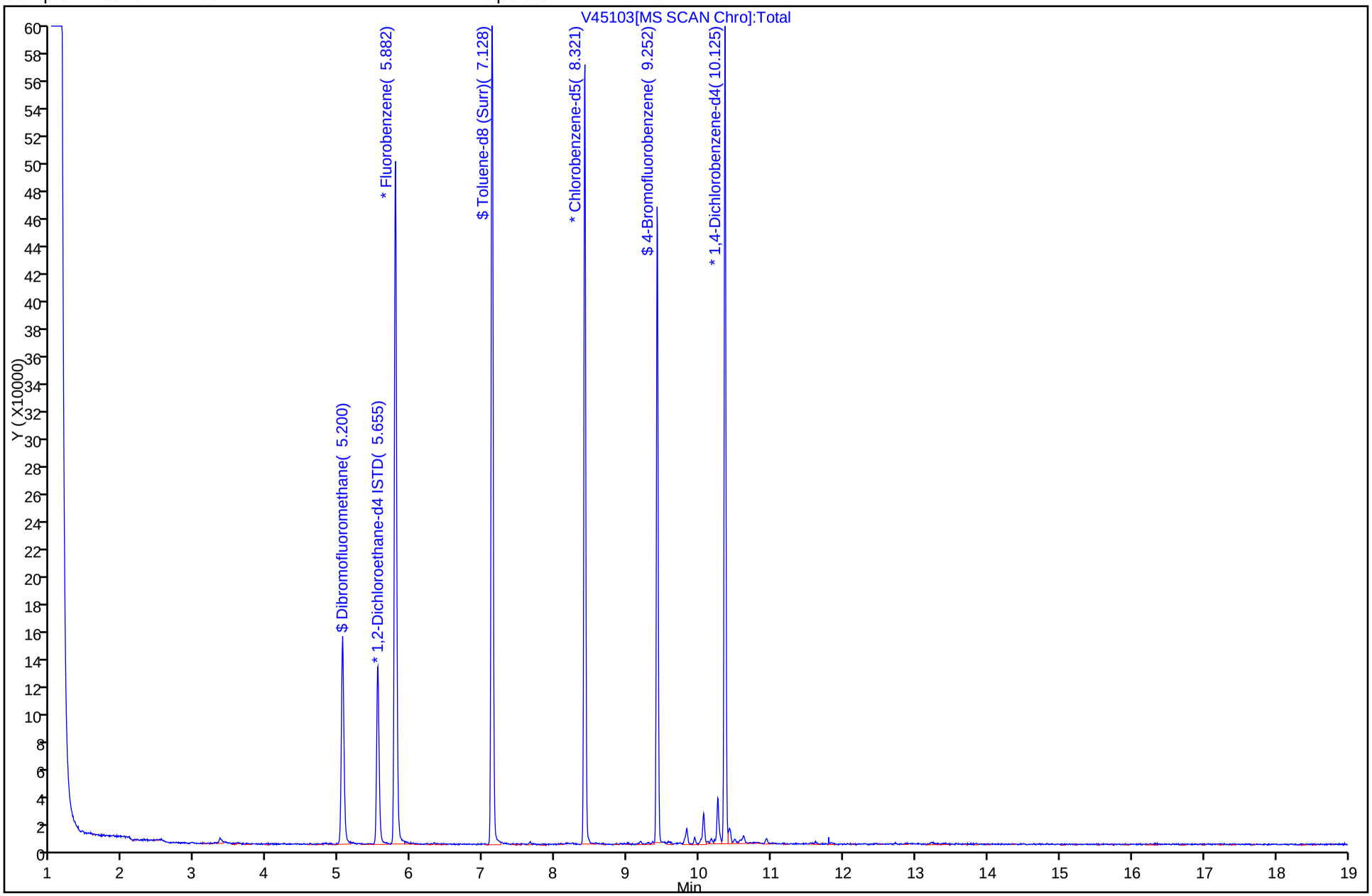
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	932747	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:18:38 Chrom Revision: 1.0.2009.910

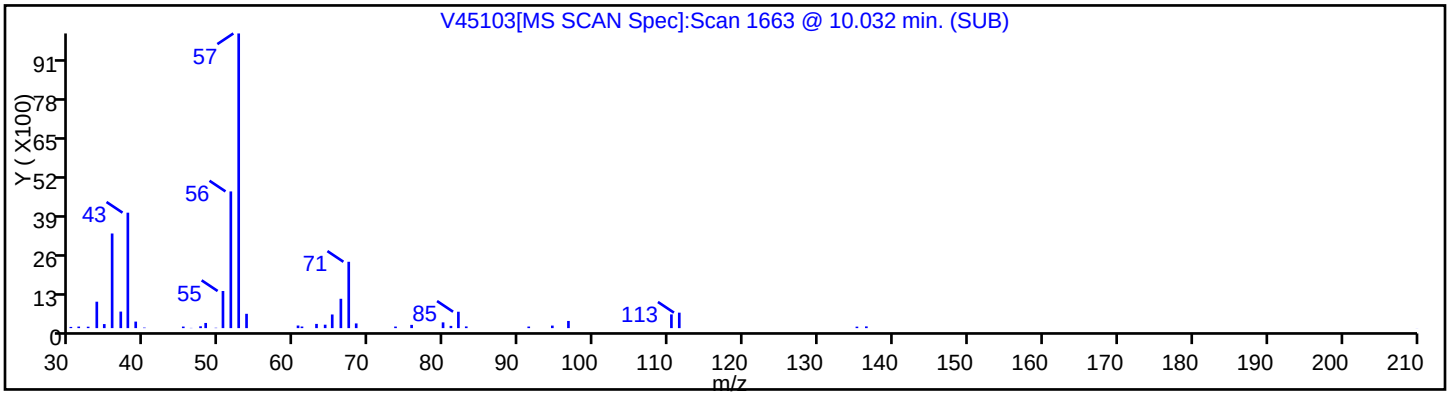
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45103.D		
Inj Date:	17-Sep-2009 20:09:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	18
Client ID:	OC-SS-414-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-19-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:18:38 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45103.D		
Inj Date:	17-Sep-2009 20:09:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	18
Client ID:	OC-SS-414-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-19-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: V45104.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:15

Sample wt/vol: 3.73(g) | Date Analyzed: 09/17/2009 20:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 57.4 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		7.9	3.1
71-55-6	1,1,1-Trichloroethane	ND		7.9	3.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		7.9	3.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	3.1
79-00-5	1,1,2-Trichloroethane	ND		7.9	3.1
75-34-3	1,1-Dichloroethane	ND		7.9	3.1
75-35-4	1,1-Dichloroethene	ND		7.9	3.1
563-58-6	1,1-Dichloropropene	ND		7.9	3.1
87-61-6	1,2,3-Trichlorobenzene	ND		7.9	3.1
96-18-4	1,2,3-Trichloropropane	ND		7.9	4.6
120-82-1	1,2,4-Trichlorobenzene	ND		7.9	3.1
95-63-6	1,2,4-Trimethylbenzene	ND		7.9	3.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		79	5.7
106-93-4	Ethylene Dibromide	ND		7.9	3.1
95-50-1	1,2-Dichlorobenzene	ND		7.9	3.1
107-06-2	1,2-Dichloroethane	ND		7.9	3.1
67-64-1	Acetone	ND		790	56
78-87-5	1,2-Dichloropropane	ND		7.9	3.1
108-67-8	1,3,5-Trimethylbenzene	ND		7.9	3.1
541-73-1	1,3-Dichlorobenzene	ND		7.9	3.1
142-28-9	1,3-Dichloropropane	ND		7.9	3.1
106-46-7	1,4-Dichlorobenzene	ND		7.9	3.1
123-91-1	1,4-Dioxane	ND		790	100
594-20-7	2,2-Dichloropropane	ND		7.9	3.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		16	3.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		16	3.1
95-49-8	2-Chlorotoluene	ND		7.9	3.1
591-78-6	2-Hexanone	ND		79	16
106-43-4	4-Chlorotoluene	ND		7.9	3.1
71-43-2	Benzene	ND		7.9	3.1
108-86-1	Bromobenzene	ND		7.9	3.1
74-97-5	Chlorobromomethane	ND		7.9	3.1
75-27-4	Dichlorobromomethane	ND		7.9	3.1
75-25-2	Bromoform	ND		7.9	3.1
74-83-9	Bromomethane	ND		16	3.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: V45104.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:15

Sample wt/vol: 3.73(g) | Date Analyzed: 09/17/2009 20:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 57.4 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		7.9	3.1
75-15-0	Carbon disulfide	ND		7.9	3.1
56-23-5	Carbon tetrachloride	ND		7.9	3.1
108-90-7	Chlorobenzene	ND		7.9	3.1
75-00-3	Chloroethane	ND		16	3.1
67-66-3	Chloroform	ND		7.9	3.1
74-87-3	Chloromethane	ND		16	3.1
156-59-2	cis-1,2-Dichloroethene	ND		7.9	3.1
10061-01-5	cis-1,3-Dichloropropene	ND		7.9	3.1
110-82-7	Cyclohexane	ND		79	8.1
124-48-1	Chlorodibromomethane	ND		7.9	3.1
74-95-3	Dibromomethane	ND		7.9	3.1
75-71-8	Dichlorodifluoromethane	ND	*	16	3.1
60-29-7	Ethyl ether	ND		7.9	3.1
108-20-3	Isopropyl ether	ND		7.9	3.1
637-92-3	Tert-butyl ethyl ether	ND		7.9	7.9
100-41-4	Ethylbenzene	ND		7.9	3.1
87-68-3	Hexachlorobutadiene	ND		7.9	3.1
98-82-8	Isopropylbenzene	ND		7.9	3.1
79-20-9	Methyl acetate	ND		160	51
78-93-3	2-Butanone (MEK)	ND		79	21
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		79	16
1634-04-4	Methyl tert-butyl ether	ND		7.9	3.1
108-87-2	Methylcyclohexane	ND		7.9	3.1
75-09-2	Methylene Chloride	ND		31	15
136777-61-2	m-Xylene & p-Xylene	ND		16	3.1
91-20-3	Naphthalene	ND		79	3.1
103-65-1	N-Propylbenzene	ND		7.9	3.1
95-47-6	o-Xylene	ND		7.9	3.1
99-87-6	4-Isopropyltoluene	ND		7.9	3.1
135-98-8	sec-Butylbenzene	ND		7.9	3.1
100-42-5	Styrene	ND		7.9	3.1
994-05-8	Tert-amyl methyl ether	ND		7.9	3.1
98-06-6	tert-Butylbenzene	ND		7.9	3.1
127-18-4	Tetrachloroethene	ND		7.9	3.1
109-99-9	Tetrahydrofuran	ND		79	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: V45104.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:15

Sample wt/vol: 3.73(g) | Date Analyzed: 09/17/2009 20:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 57.4 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		7.9	3.1
156-60-5	trans-1,2-Dichloroethene	ND		7.9	3.1
10061-02-6	trans-1,3-Dichloropropene	ND		7.9	3.1
79-01-6	Trichloroethene	ND		7.9	3.1
75-69-4	Trichlorofluoromethane	ND		16	3.1
75-01-4	Vinyl chloride	ND		7.9	3.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	92	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX Lab Sample ID: 360-24582-20

Matrix: Solid Lab File ID: V45104.D

Analysis Method: 8260B Date Collected: 09/15/2009 12:15

Sample wt/vol: 3.73(g) Date Analyzed: 09/17/2009 20:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 57.4 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 17

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.04	17	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45104.D		
Lims ID:	360-24582-C-20-A	Client ID:	OC-SS-415-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-20-A		
Misc. Info.:	360-0001210-019		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49101	Lims Sample ID:	19
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:19:14

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.199	5.190	0.009	101827	20.6	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				479
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.645	0.009	20181	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.881	5.872	0.009	424990	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.127	7.117	0.010	373357	19.8	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.321	8.311	0.010	235075	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.256	9.247	0.009	123830	18.4	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.129	10.120	0.009	92185	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:19:14 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45104.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45104.D		
Lims ID:	360-24582-C-20-A	Client ID:	OC-SS-415-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-20-A		
Misc. Info.:	360-0001210-019		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49101	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:19:14

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.036	38000	1.07	94			

Quantitation Compounds

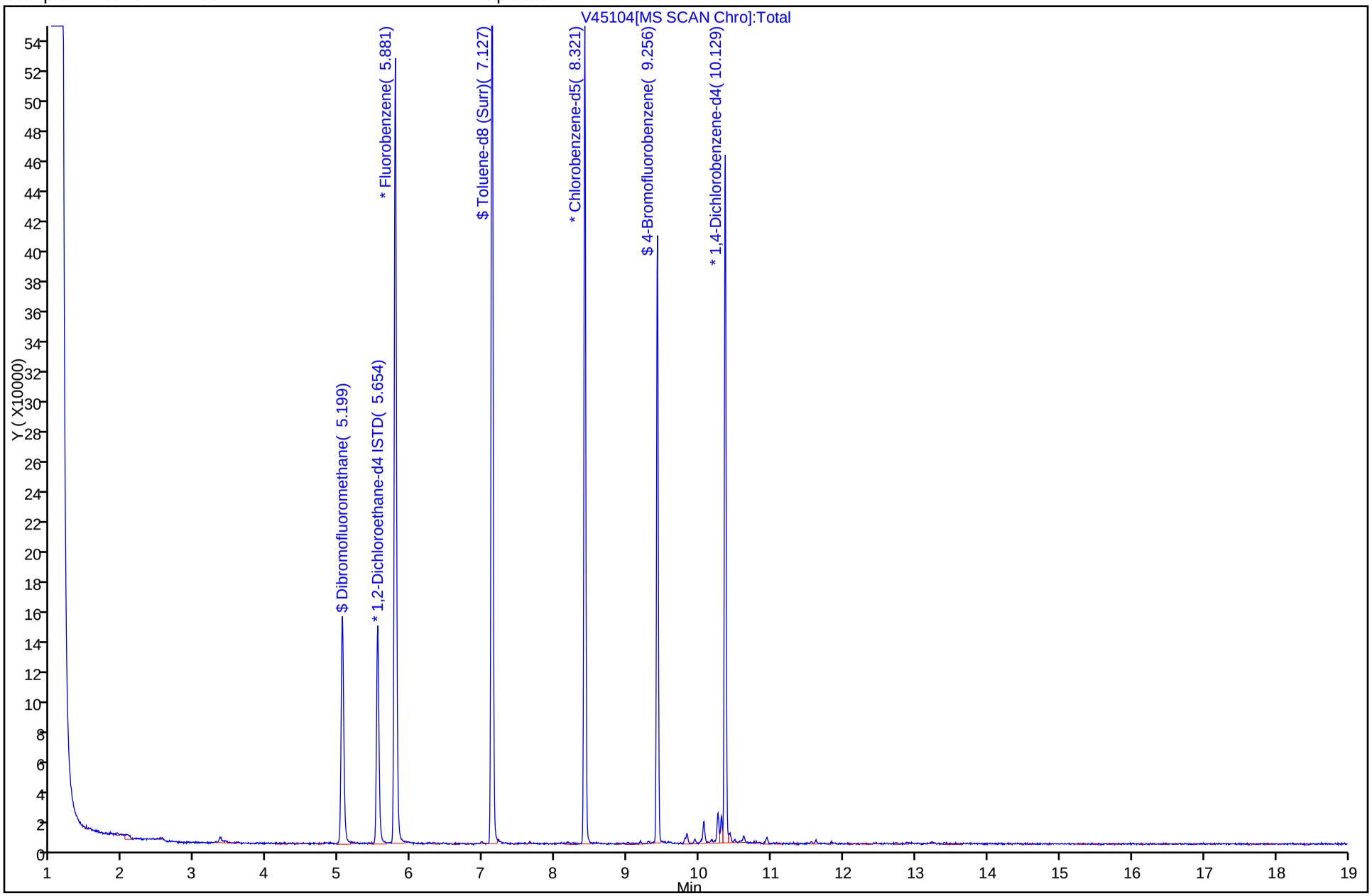
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.129	708767	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:19:14 Chrom Revision: 1.0.2009.910

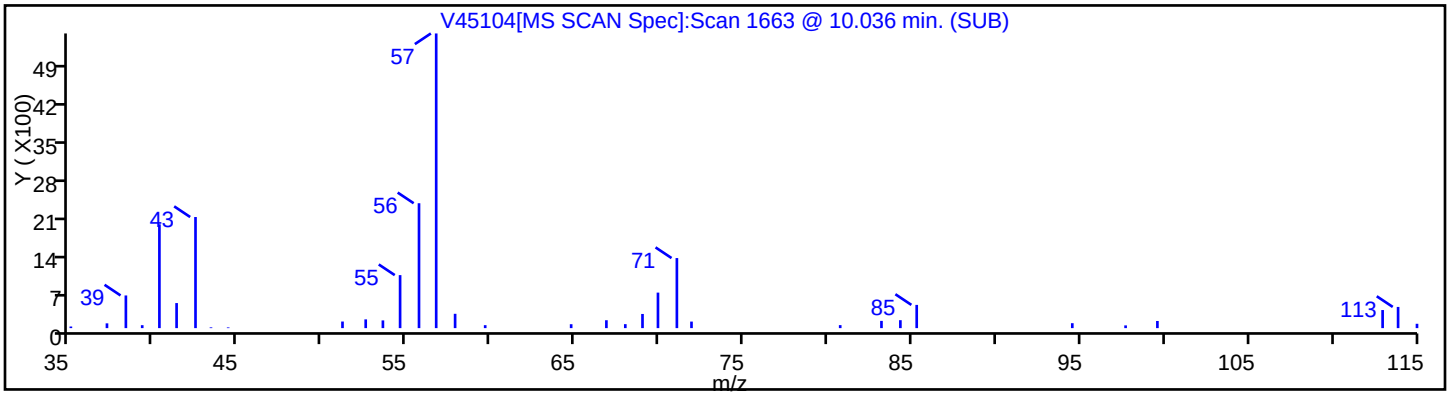
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45104.D		
Inj Date:	17-Sep-2009 20:33:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	19
Client ID:	OC-SS-415-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-20-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:19:14 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45104.D		
Inj Date:	17-Sep-2009 20:33:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	19
Client ID:	OC-SS-415-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-20-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: V45105.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.15(g) | Date Analyzed: 09/17/2009 20:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.5 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	1.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.1
563-58-6	1,1-Dichloropropene	ND		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
67-64-1	Acetone	ND		270	19
78-87-5	1,2-Dichloropropane	ND		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
123-91-1	1,4-Dioxane	ND		270	35
594-20-7	2,2-Dichloropropane	ND		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.3	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.3	1.1
95-49-8	2-Chlorotoluene	ND		2.7	1.1
591-78-6	2-Hexanone	ND		27	5.5
106-43-4	4-Chlorotoluene	ND		2.7	1.1
71-43-2	Benzene	ND		2.7	1.1
108-86-1	Bromobenzene	ND		2.7	1.1
74-97-5	Chlorobromomethane	ND		2.7	1.1
75-27-4	Dichlorobromomethane	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.1
74-83-9	Bromomethane	ND		5.3	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: V45105.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.15(g) | Date Analyzed: 09/17/2009 20:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.5 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.7	1.1
75-15-0	Carbon disulfide	ND		2.7	1.1
56-23-5	Carbon tetrachloride	ND		2.7	1.1
108-90-7	Chlorobenzene	ND		2.7	1.1
75-00-3	Chloroethane	ND		5.3	1.1
67-66-3	Chloroform	ND		2.7	1.1
74-87-3	Chloromethane	ND		5.3	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
110-82-7	Cyclohexane	ND		27	2.7
124-48-1	Chlorodibromomethane	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.3	1.1
60-29-7	Ethyl ether	ND		2.7	1.1
108-20-3	Isopropyl ether	ND		2.7	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.7	2.7
100-41-4	Ethylbenzene	ND		2.7	1.1
87-68-3	Hexachlorobutadiene	ND		2.7	1.1
98-82-8	Isopropylbenzene	ND		2.7	1.1
79-20-9	Methyl acetate	ND		53	17
78-93-3	2-Butanone (MEK)	ND		27	7.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	5.5
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.1
108-87-2	Methylcyclohexane	ND		2.7	1.1
75-09-2	Methylene Chloride	ND		11	5.1
136777-61-2	m-Xylene & p-Xylene	ND		5.3	1.1
91-20-3	Naphthalene	ND		27	1.1
103-65-1	N-Propylbenzene	ND		2.7	1.1
95-47-6	o-Xylene	ND		2.7	1.1
99-87-6	4-Isopropyltoluene	ND		2.7	1.1
135-98-8	sec-Butylbenzene	ND		2.7	1.1
100-42-5	Styrene	ND		2.7	1.1
994-05-8	Tert-amyl methyl ether	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.1
127-18-4	Tetrachloroethene	ND		2.7	1.1
109-99-9	Tetrahydrofuran	ND		27	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: V45105.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.15(g) | Date Analyzed: 09/17/2009 20:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.5 | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
79-01-6	Trichloroethene	ND		2.7	1.1
75-69-4	Trichlorofluoromethane	ND		5.3	1.1
75-01-4	Vinyl chloride	ND		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP Lab Sample ID: 360-24582-21

Matrix: Solid Lab File ID: V45105.D

Analysis Method: 8260B Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.15(g) Date Analyzed: 09/17/2009 20:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.5 Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 1.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.66	1.8	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45105.D		
Lims ID:	360-24582-C-21-A	Client ID:	OC-SS-416-0.0/1.0-DUP
Inject. Date:	17-Sep-2009 20:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-21-A		
Misc. Info.:	360-0001210-020		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49101	Lims Sample ID:	20
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	18-Sep-2009 09:19:47

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				479
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
19 Methyl tert-butyl ether	73		3.867				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.533				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
$ 35 Dibromofluoromethane	113	5.200	5.190	0.010	111095	20.3	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.526				47
41 Tert-amyl methyl ether	73		5.619				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.645	0.005	20984	20.0	
43 1,2-Dichloroethane	62		5.701				1
* 44 Fluorobenzene	96	5.877	5.872	0.005	470647	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.117	0.006	425981	20.4	
59 Toluene	92		7.159				47
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.316	8.311	0.005	282123	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.252	9.247	0.005	157471	19.5	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				1
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	128467	20.0	
95 1,4-Dichlorobenzene	146		10.135				1
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1

Report Date: 18-Sep-2009 09:19:47 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45105.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45105.D		
Lims ID:	360-24582-C-21-A	Client ID:	OC-SS-416-0.0/1.0-DUP
Inject. Date:	17-Sep-2009 20:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-21-A		
Misc. Info.:	360-0001210-020		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49101	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:19:47

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.657	16482	0.3372	94			

Quantitation Compounds

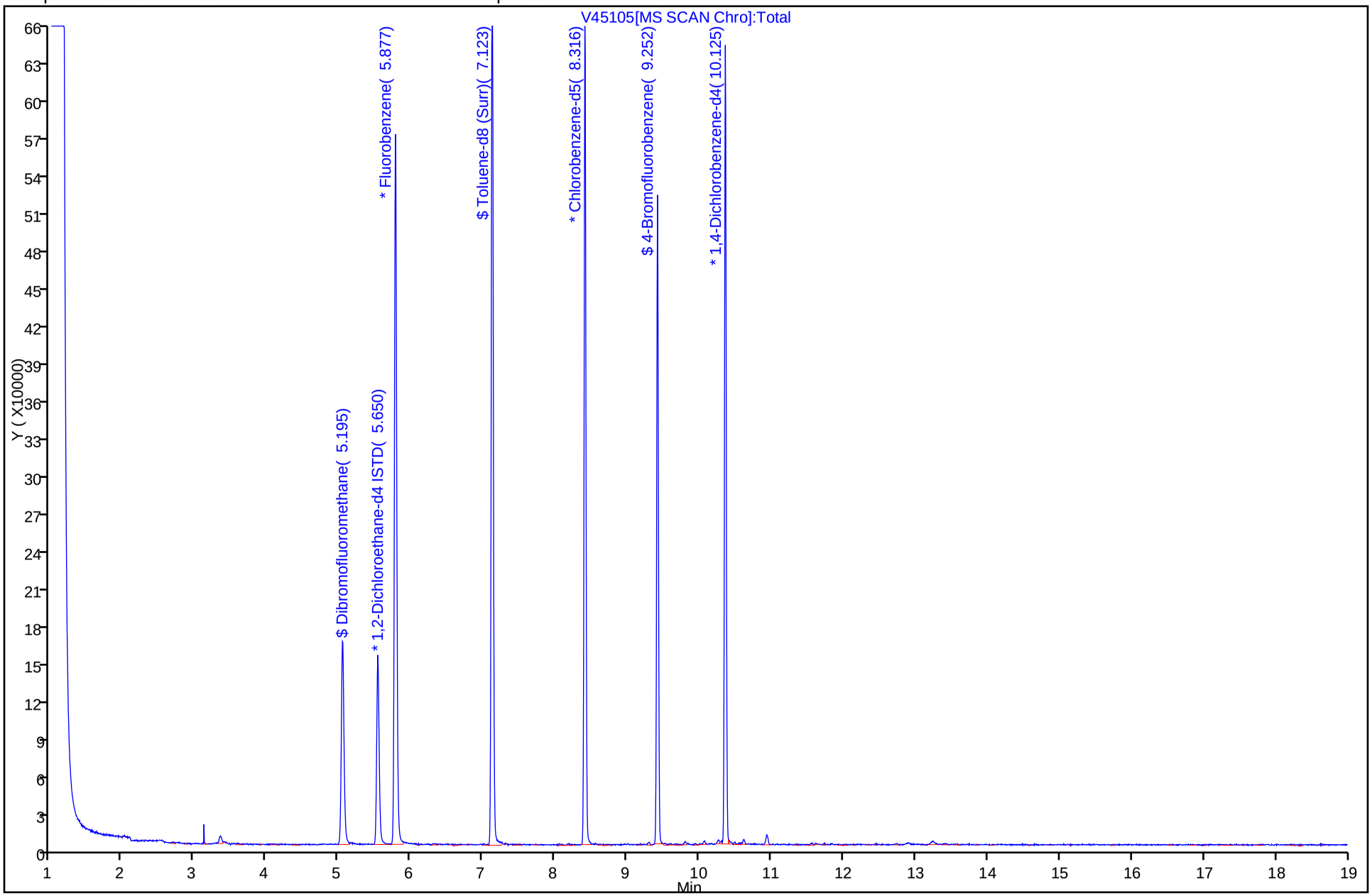
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	977453	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:19:48 Chrom Revision: 1.0.2009.910

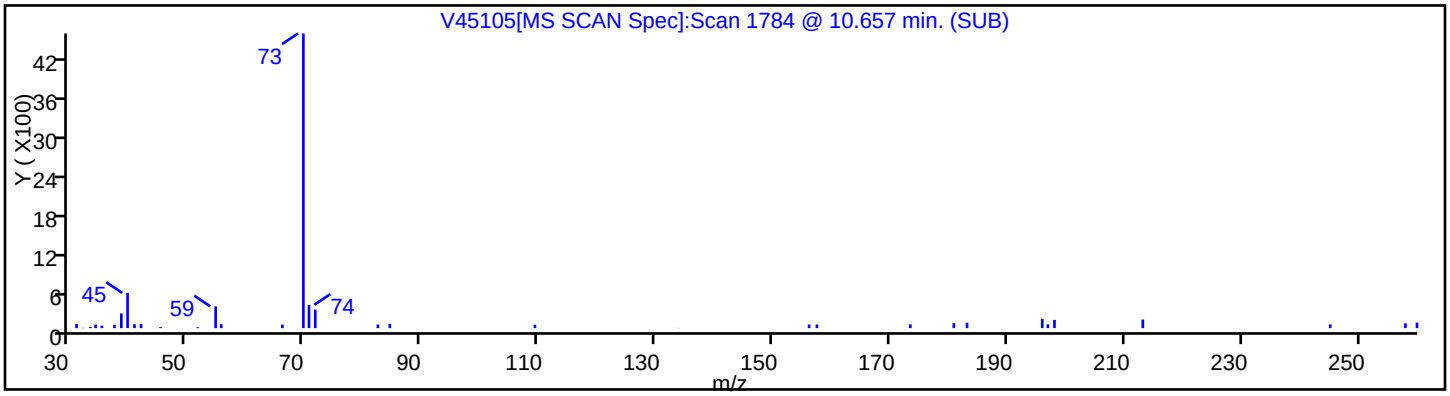
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45105.D		
Inj Date:	17-Sep-2009 20:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	20
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-21-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 18-Sep-2009 09:19:48 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45105.D		
Inj Date:	17-Sep-2009 20:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	20
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-21-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: V45145.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.20(g) | Date Analyzed: 09/18/2009 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.6	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.6	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.6	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.6	1.1
75-34-3	1,1-Dichloroethane	ND		2.6	1.1
75-35-4	1,1-Dichloroethene	ND		2.6	1.1
563-58-6	1,1-Dichloropropene	ND		2.6	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.6	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.6	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.6	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.6	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	1.9
106-93-4	Ethylene Dibromide	ND		2.6	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.6	1.1
107-06-2	1,2-Dichloroethane	ND		2.6	1.1
67-64-1	Acetone	ND		260	19
78-87-5	1,2-Dichloropropane	ND		2.6	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.6	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.6	1.1
142-28-9	1,3-Dichloropropane	ND		2.6	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.6	1.1
123-91-1	1,4-Dioxane	ND		260	35
594-20-7	2,2-Dichloropropane	ND		2.6	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.3	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.3	1.1
95-49-8	2-Chlorotoluene	ND		2.6	1.1
591-78-6	2-Hexanone	ND		26	5.4
106-43-4	4-Chlorotoluene	ND		2.6	1.1
71-43-2	Benzene	ND		2.6	1.1
108-86-1	Bromobenzene	ND		2.6	1.1
74-97-5	Chlorobromomethane	ND		2.6	1.1
75-27-4	Dichlorobromomethane	ND		2.6	1.1
75-25-2	Bromoform	ND		2.6	1.1
74-83-9	Bromomethane	ND		5.3	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: V45145.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.20(g) | Date Analyzed: 09/18/2009 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.6	1.1
75-15-0	Carbon disulfide	ND		2.6	1.1
56-23-5	Carbon tetrachloride	ND		2.6	1.1
108-90-7	Chlorobenzene	ND		2.6	1.1
75-00-3	Chloroethane	ND		5.3	1.1
67-66-3	Chloroform	ND		2.6	1.1
74-87-3	Chloromethane	ND		5.3	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.6	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.6	1.1
110-82-7	Cyclohexane	ND		26	2.7
124-48-1	Chlorodibromomethane	ND		2.6	1.1
74-95-3	Dibromomethane	ND		2.6	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.3	1.1
60-29-7	Ethyl ether	ND		2.6	1.1
108-20-3	Isopropyl ether	ND		2.6	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.6	2.6
100-41-4	Ethylbenzene	ND		2.6	1.1
87-68-3	Hexachlorobutadiene	ND		2.6	1.1
98-82-8	Isopropylbenzene	ND		2.6	1.1
79-20-9	Methyl acetate	ND	*	53	17
78-93-3	2-Butanone (MEK)	ND		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	5.4
1634-04-4	Methyl tert-butyl ether	ND		2.6	1.1
108-87-2	Methylcyclohexane	ND		2.6	1.1
75-09-2	Methylene Chloride	ND		11	5.1
136777-61-2	m-Xylene & p-Xylene	ND		5.3	1.1
91-20-3	Naphthalene	ND		26	1.1
103-65-1	N-Propylbenzene	ND		2.6	1.1
95-47-6	o-Xylene	ND		2.6	1.1
99-87-6	4-Isopropyltoluene	ND		2.6	1.1
135-98-8	sec-Butylbenzene	ND		2.6	1.1
100-42-5	Styrene	ND		2.6	1.1
994-05-8	Tert-amyl methyl ether	ND		2.6	1.1
98-06-6	tert-Butylbenzene	ND		2.6	1.1
127-18-4	Tetrachloroethene	ND		2.6	1.1
109-99-9	Tetrahydrofuran	ND		26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: V45145.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.20(g) | Date Analyzed: 09/18/2009 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.6	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.6	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.6	1.1
79-01-6	Trichloroethene	ND		2.6	1.1
75-69-4	Trichlorofluoromethane	ND		5.3	1.1
75-01-4	Vinyl chloride	ND		2.6	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	91	70-130	
1868-53-7	Dibromofluoromethane	97	70-130	
2037-26-5	Toluene-d8 (Surr)	104	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX Lab Sample ID: 360-24582-22

Matrix: Solid Lab File ID: V45145.D

Analysis Method: 8260B Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.20(g) Date Analyzed: 09/18/2009 19:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 Level: (low/med) Low

Analysis Batch No.: 49180 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.05	4.5	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45145.D		
Lims ID:	360-24582-C-22-A	Client ID:	OC-SS-416-0.0/1.0-XXX
Inject. Date:	18-Sep-2009 19:11:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-22-A		
Misc. Info.:	360-0001222-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49180	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:27	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	21-Sep-2009 08:50:59

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.650				1
2 Chloromethane	50		1.831				1
3 Vinyl chloride	62		1.934				1
4 Bromomethane	94		2.296				1
5 Chloroethane	64		2.435				1
6 Trichlorofluoromethane	101		2.559				1
7 Ethyl ether	59		2.880				1
8 1,1-Dichloroethene	96		3.076				1
10 Carbon disulfide	76		3.092				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.154				1
14 Methylene Chloride	84		3.645				7
15 Acetone	43		3.701				7
16 trans-1,2-Dichloroethene	61		3.794				1
17 Methyl acetate	43		3.820				1
19 Methyl tert-butyl ether	73		3.898				1
21 Isopropyl ether	45		4.244				1
22 1,1-Dichloroethane	63		4.358				1
24 Tert-butyl ethyl ether	59		4.570				1
26 cis-1,2-Dichloroethene	61		4.828				1
27 2,2-Dichloropropane	77		4.926				1
28 Cyclohexane	56		4.999				1
29 Chlorobromomethane	130		5.004				1
30 Chloroform	83		5.066				1
32 Carbon tetrachloride	117		5.179				1
33 Tetrahydrofuran	42		5.195				
$ 35 Dibromofluoromethane	113	5.215	5.221	-0.006	118880	19.4	
36 1,1,1-Trichloroethane	97		5.241				1
37 2-Butanone (MEK)	43	5.334	5.340	-0.006	5043	0.3945	
38 1,1-Dichloropropene	75		5.345				1
40 Benzene	78		5.562				7
41 Tert-amyl methyl ether	73		5.650				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.670	5.676	-0.006	22942	20.0	
43 1,2-Dichloroethane	62		5.727				479
* 44 Fluorobenzene	96	5.892	5.903	-0.011	527166	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.924				
47 Methylcyclohexane	83		6.027				1
48 Trichloroethene	95		6.032				1
49 2,4,4-Trimethyl-2-pentene	112		6.063				1
50 Dibromomethane	93		6.378				1
51 1,2-Dichloropropane	63		6.461				1
52 Dichlorobromomethane	83		6.502				1
54 1,4-Dioxane	88		6.678				1
57 cis-1,3-Dichloropropene	75		7.004				1
$ 58 Toluene-d8 (Surr)	98	7.138	7.148	-0.010	485454	20.7	
59 Toluene	92		7.185				1
60 Tetrachloroethene	164		7.479				1
61 4-Methyl-2-pentanone (MIBK)	43		7.479				1
62 trans-1,3-Dichloropropene	75		7.505				1
64 1,1,2-Trichloroethane	83		7.629				1
65 Chlorodibromomethane	129		7.763				1
66 1,3-Dichloropropane	76		7.841				1
67 Ethylene Dibromide	107		7.955				1
69 2-Hexanone	43		8.115				1
* 70 Chlorobenzene-d5	117	8.332	8.337	-0.005	321775	20.0	
71 Chlorobenzene	112		8.352				479
72 Ethylbenzene	91		8.368				1
73 1,1,1,2-Tetrachloroethane	131		8.399				1
74 m-Xylene & p-Xylene	91	8.471	8.477	-0.006	4010	0.1424	
75 o-Xylene	91		8.807				1
76 Styrene	104		8.849				479
77 Bromoform	173		8.874				1
78 Isopropylbenzene	105		9.045				1
$ 80 4-Bromofluorobenzene	95	9.267	9.272	-0.005	167731	18.2	
81 Bromobenzene	77		9.355				1
82 N-Propylbenzene	91		9.365				1
83 1,1,2,2-Tetrachloroethane	83		9.422				1
84 2-Chlorotoluene	91		9.495				79
85 1,3,5-Trimethylbenzene	105		9.515				1
86 1,2,3-Trichloropropane	110		9.536				1
88 4-Chlorotoluene	91		9.624				1
89 tert-Butylbenzene	119		9.768				1
90 1,2,4-Trimethylbenzene	105		9.820				1
91 sec-Butylbenzene	105		9.908				1
92 4-Isopropyltoluene	119		10.017				1
93 1,3-Dichlorobenzene	146		10.084				479
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.146	-0.006	132734	20.0	
95 1,4-Dichlorobenzene	146		10.156				479
96 n-Butylbenzene	91		10.358				1
97 1,2-Dichlorobenzene	146		10.513				1
98 1,2-Dibromo-3-Chloropropane	157		11.288				1
100 Hexachlorobutadiene	225		12.042				1
101 1,2,4-Trichlorobenzene	180		12.094				1
102 Naphthalene	128		12.559				1

Report Date: 21-Sep-2009 08:50:59 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45145.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.838				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45145.D		
Lims ID:	360-24582-C-22-A	Client ID:	OC-SS-416-0.0/1.0-XXX
Inject. Date:	18-Sep-2009 19:11:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-C-22-A		
Misc. Info.:	360-0001222-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49180	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:27	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2009 08:50:59

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.047	42667	0.8601	94			

Quantitation Compounds

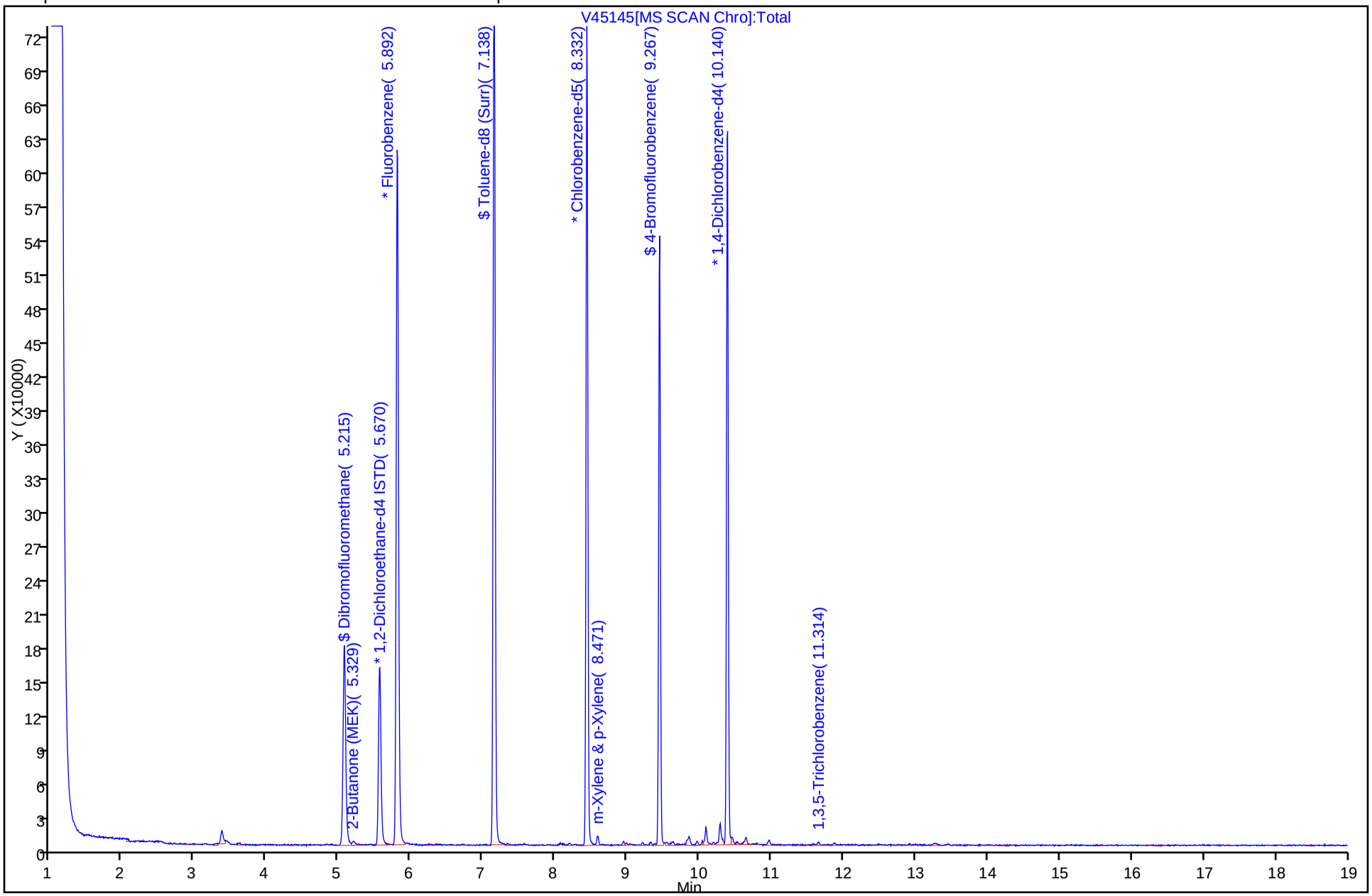
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.140	992161	20.0

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 08:50:59 Chrom Revision: 1.0.2009.910

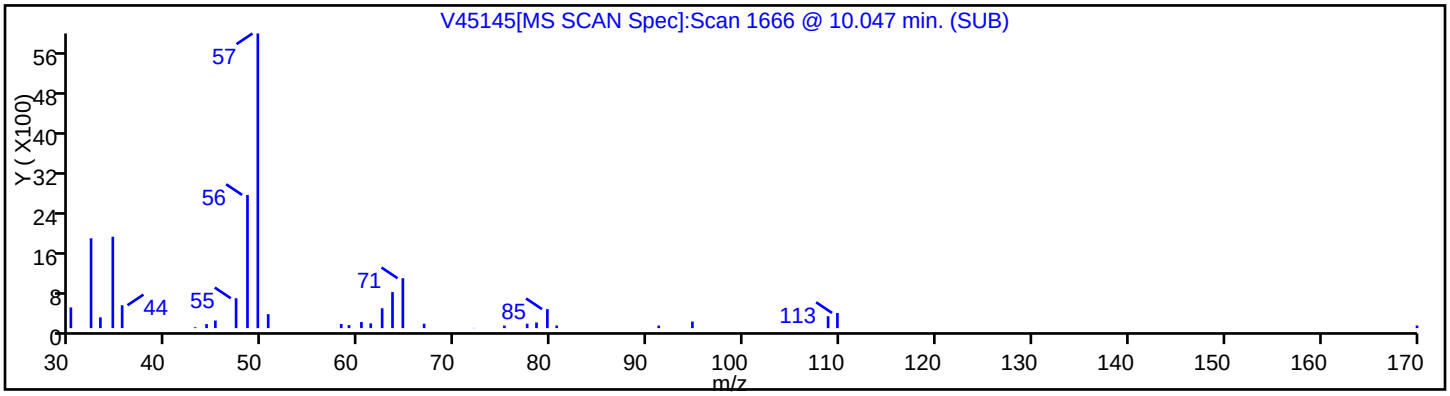
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45145.D		
Inj Date:	18-Sep-2009 19:11:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	8
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-22-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 21-Sep-2009 08:50:59 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45145.D		
Inj Date:	18-Sep-2009 19:11:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	8
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-C-22-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-019 | Lab Sample ID: 360-24582-23

Matrix: Solid | Lab File ID: V45146.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:00

Sample wt/vol: 5.00(g) | Date Analyzed: 09/18/2009 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-019 | Lab Sample ID: 360-24582-23

Matrix: Solid | Lab File ID: V45146.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:00

Sample wt/vol: 5.00(g) | Date Analyzed: 09/18/2009 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND	*	50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-019 | Lab Sample ID: 360-24582-23

Matrix: Solid | Lab File ID: V45146.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:00

Sample wt/vol: 5.00(g) | Date Analyzed: 09/18/2009 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-TBK-019 Lab Sample ID: 360-24582-23

Matrix: Solid Lab File ID: V45146.D

Analysis Method: 8260B Date Collected: 09/15/2009 12:00

Sample wt/vol: 5.00(g) Date Analyzed: 09/18/2009 19:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49180 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 1.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.67	1.4	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45146.D		
Lims ID:	360-24582-B-23-B	Client ID:	OC-TBK-019
Inject. Date:	18-Sep-2009 19:35:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-B-23-B		
Misc. Info.:	360-0001222-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	49180	Lims Sample ID:	9
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:27	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 21-Sep-2009 08:51:43

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.650				1
2 Chloromethane	50		1.831				479
3 Vinyl chloride	62		1.934				1
4 Bromomethane	94		2.296				1
5 Chloroethane	64		2.435				1
6 Trichlorofluoromethane	101		2.559				1
7 Ethyl ether	59		2.880				1
8 1,1-Dichloroethene	96		3.076				1
10 Carbon disulfide	76		3.092				47
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.154				1
14 Methylene Chloride	84		3.645				7
15 Acetone	43	3.701	3.701	0.000	6371	1.04	
16 trans-1,2-Dichloroethene	61		3.794				1
17 Methyl acetate	43		3.820				1
19 Methyl tert-butyl ether	73		3.898				1
21 Isopropyl ether	45		4.244				1
22 1,1-Dichloroethane	63		4.358				1
24 Tert-butyl ethyl ether	59		4.570				1
26 cis-1,2-Dichloroethene	61		4.828				1
27 2,2-Dichloropropane	77		4.926				1
28 Cyclohexane	56		4.999				1
29 Chlorobromomethane	130		5.004				1
30 Chloroform	83		5.066				1
32 Carbon tetrachloride	117		5.179				1
33 Tetrahydrofuran	42		5.195				
$ 35 Dibromofluoromethane	113	5.211	5.221	-0.011	102098	20.5	
36 1,1,1-Trichloroethane	97		5.241				1
37 2-Butanone (MEK)	43	5.340	5.340	0.000	4822	0.7787	
38 1,1-Dichloropropene	75		5.345				1
40 Benzene	78		5.562				7
41 Tert-amyl methyl ether	73		5.650				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.665	5.676	-0.011	18446	20.0	
43 1,2-Dichloroethane	62		5.727				1
* 44 Fluorobenzene	96	5.893	5.903	-0.010	427161	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.924				
47 Methylcyclohexane	83		6.027				1
48 Trichloroethene	95		6.032				1
49 2,4,4-Trimethyl-2-pentene	112		6.063				1
50 Dibromomethane	93		6.378				1
51 1,2-Dichloropropane	63		6.461				1
52 Dichlorobromomethane	83		6.502				1
54 1,4-Dioxane	88		6.678				1
57 cis-1,3-Dichloropropene	75		7.004				1
$ 58 Toluene-d8 (Surr)	98	7.138	7.148	-0.010	384810	20.3	
59 Toluene	92		7.185				7
60 Tetrachloroethene	164		7.479				1
61 4-Methyl-2-pentanone (MIBK)	43		7.479				1
62 trans-1,3-Dichloropropene	75		7.505				1
64 1,1,2-Trichloroethane	83		7.629				1
65 Chlorodibromomethane	129		7.763				1
66 1,3-Dichloropropane	76		7.841				1
67 Ethylene Dibromide	107		7.955				1
69 2-Hexanone	43		8.115				1
* 70 Chlorobenzene-d5	117	8.332	8.337	-0.005	255185	20.0	
71 Chlorobenzene	112		8.352				479
72 Ethylbenzene	91		8.368				1
73 1,1,1,2-Tetrachloroethane	131		8.399				1
74 m-Xylene & p-Xylene	91		8.477				1
75 o-Xylene	91		8.807				1
76 Styrene	104		8.849				479
77 Bromoform	173		8.874				1
78 Isopropylbenzene	105		9.045				1
$ 80 4-Bromofluorobenzene	95	9.267	9.272	-0.005	148520	20.3	
81 Bromobenzene	77		9.355				1
82 N-Propylbenzene	91		9.365				1
83 1,1,2,2-Tetrachloroethane	83		9.422				1
84 2-Chlorotoluene	91		9.495				1
85 1,3,5-Trimethylbenzene	105		9.515				1
86 1,2,3-Trichloropropane	110		9.536				1
88 4-Chlorotoluene	91		9.624				1
89 tert-Butylbenzene	119		9.768				1
90 1,2,4-Trimethylbenzene	105		9.820				1
91 sec-Butylbenzene	105		9.908				1
92 4-Isopropyltoluene	119		10.017				1
93 1,3-Dichlorobenzene	146		10.084				479
* 94 1,4-Dichlorobenzene-d4	152	10.141	10.146	-0.005	126370	20.0	
95 1,4-Dichlorobenzene	146		10.156				479
96 n-Butylbenzene	91		10.358				1
97 1,2-Dichlorobenzene	146		10.513				1
98 1,2-Dibromo-3-Chloropropane	157		11.288				1
100 Hexachlorobutadiene	225		12.042				1
101 1,2,4-Trichlorobenzene	180		12.094				1
102 Naphthalene	128		12.559				1

Report Date: 21-Sep-2009 08:51:43 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45146.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.838				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45146.D		
Lims ID:	360-24582-B-23-B	Client ID:	OC-TBK-019
Inject. Date:	18-Sep-2009 19:35:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-B-23-B		
Misc. Info.:	360-0001222-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	49180	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:27	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2009 08:51:43

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.673	13082	0.2720	94			

Quantitation Compounds

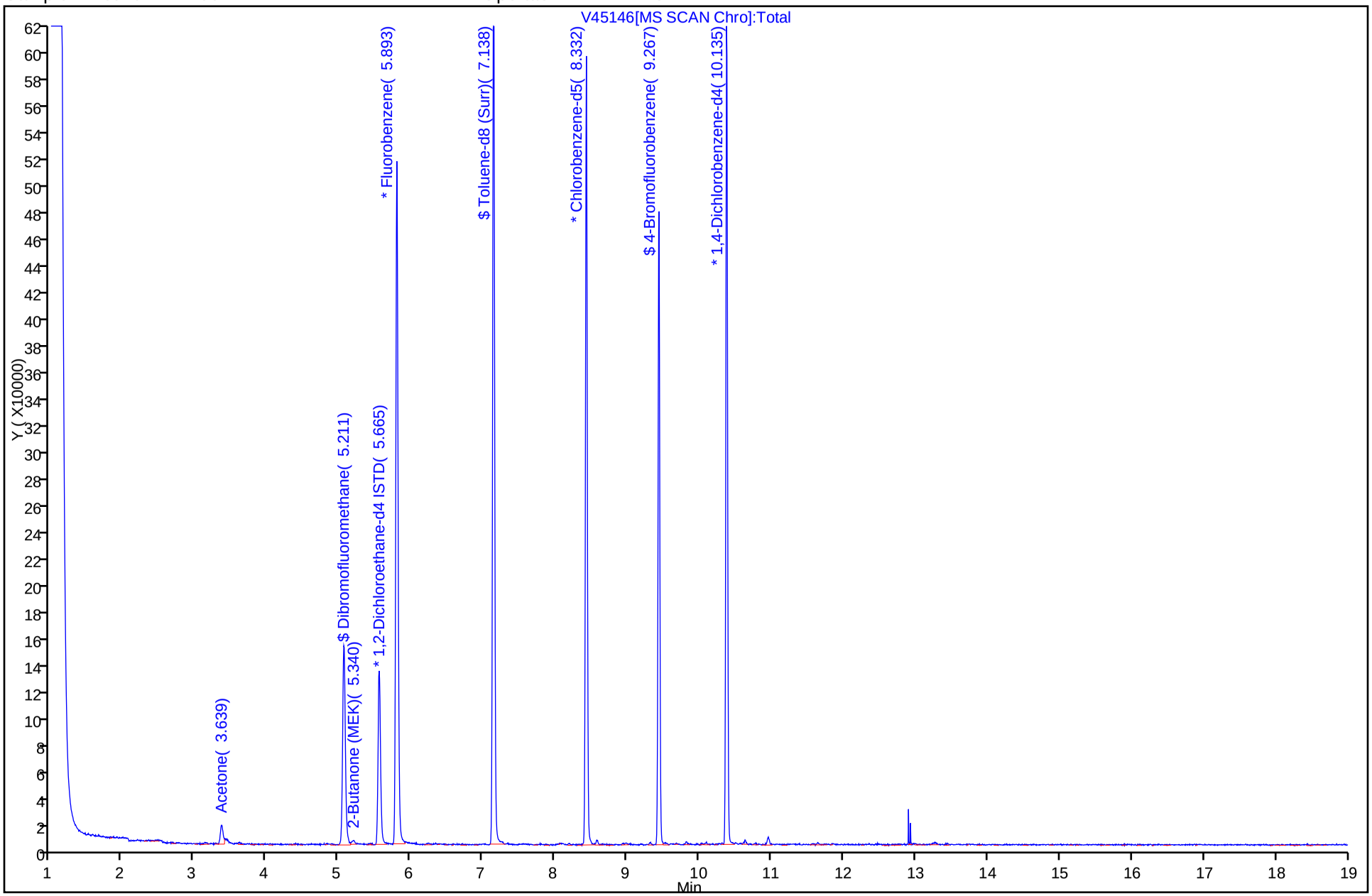
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.135	961753	20.0

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 08:51:43 Chrom Revision: 1.0.2009.910

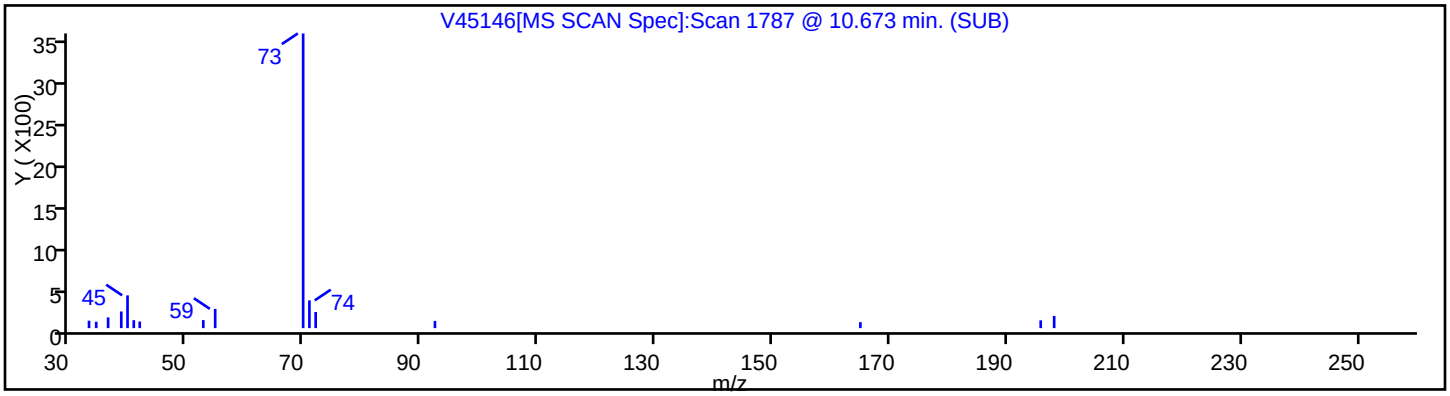
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45146.D		
Inj Date:	18-Sep-2009 19:35:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	9
Client ID:	OC-TBK-019	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-B-23-B		
Sample Amount:	1.00	Operator:	CR



Report Date: 21-Sep-2009 08:51:44 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45146.D		
Inj Date:	18-Sep-2009 19:35:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	9
Client ID:	OC-TBK-019	Instrument:	HP #1 GC/MS
Sample Info:	360-24582-B-23-B		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-48601/4	V06683.D
Level 2	STD05 360-48601/5	V06684.D
Level 3	STD1 360-48601/6	V06685.D
Level 4	STD5 360-48601/7	V06686.D
Level 5	STD10 360-48601/8	V06687.D
Level 6	STD40 360-48601/9	V06688.D
Level 7	STD80 360-48601/10	V06689.D
Level 8	STD160 360-48601/11	V06690.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 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.3773	0.3958 0.3802	0.4132 0.3596	0.3957	0.4075	Ave		0.3898				4.4		15.0			
Chloromethane	+++++ 0.3824	0.4876 0.3809	0.4492 0.3804	0.4066	0.4136	Ave		0.4140			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3734	0.3963 0.3673	0.4026 0.3450	0.3746	0.3938	Ave		0.3787				4.9		15.0			
Chloroethane	+++++ 0.1486	0.1949 0.1473	0.1661 0.1399	0.1522	0.1622	Ave		0.1595				11.0		15.0			
Bromomethane	+++++ 0.1425	0.1862 0.1524	0.1831 0.1460	0.1553	0.1590	Ave		0.1613				10.0		15.0			
Trichlorofluoromethane	+++++ 0.4463	0.4417 0.4546	0.4612 0.4304	0.4537	0.4793	Ave		0.4527				3.2		15.0			
1,1-Dichloroethene	+++++ 0.2924	0.3981 0.2760	0.3418 0.2744	0.3019	0.2936	Ave		0.3064				14.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2078	0.2411 0.1982	0.2311 0.1959	0.2168	0.2130	Ave		0.2123				8.0		15.0			
Ethyl ether	+++++ 0.3099	0.3189 0.2857	0.3423 0.2754	0.3128	0.3046	Ave		0.3046				7.1		15.0			
Ethanol	+++++ 0.0033	0.0027 0.0032	0.0026 0.0031	0.0038	0.0036	Lin1	-0.006	0.0031							0.9900		0.9900
Carbon disulfide	+++++ 1.0557	1.3813 0.9827	1.2199 0.9435	1.1177	1.0808	Ave		1.0975				13.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.5588	0.4979 0.5213	0.5306 0.5062	0.5307	0.5482	Ave		0.5263				3.9		15.0			
Acrolein	+++++ 1.7025	1.2472 1.7495	1.6102 1.6352	1.4483	1.8502	Ave		1.6170				12.0		15.0			
Isopropyl alcohol	+++++ 0.0251	0.0285 0.0246	0.0270 0.0238	0.0233	0.0249	Ave		0.0248				8.8		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

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 5		B	M1	M2								
Methylene Chloride	+++++ 0.3529	1.3907 0.3210	0.9082 0.3121	0.4410	0.3852	Lin2	0.5423	0.3265							0.9950		0.9900
Acetone	+++++ 0.1452	0.2218 0.1358	0.2113 0.1282	0.1424	0.1612	Lin1	0.6406	0.1326							0.9970		0.9900
Isopropyl ether	+++++ 1.1296	0.8325 1.1203	0.8148 1.1243	0.8216	0.9013	Ave		0.9624				15.0		15.0			
Methyl acetate	+++++ 0.4198	0.4172 0.3945	0.5057 0.4059	0.3706	0.4811	Ave		0.4329				11.0		15.0			
Hexane	+++++ 0.7804	0.4959 0.7547	0.5421 0.7381	0.5779	0.6926	Lin2	-0.129	0.7189							0.9920		0.9900
Methyl tert-butyl ether	+++++ 0.9865	0.7199 0.9184	0.7413 0.9183	0.8110	0.8698	Ave		0.8531				11.0		15.0			
Acrylonitrile	+++++ 0.1710	0.1568 0.1583	0.1545 0.1560	0.1593	0.1553	Ave		0.1585				3.3		15.0			
2-Methyl-2-propanol	+++++ 0.7491	0.6034 0.7670	0.6106 0.8268	0.6941	0.7182	Ave		0.7049				11.0		15.0			
1,1-Dichloroethane	+++++ 0.6496	0.6649 0.6119	0.6824 0.6011	0.6554	0.6527	Ave		0.6410			0.1000	4.6		15.0			
Cyclohexane	+++++ 0.6008	0.3498 0.5909	0.3785 0.5700	0.3950	0.4848	Lin1	-0.205	0.5766							0.9980		0.9900
Tert-butyl ethyl ether	+++++ 1.0106	0.6458 0.9622	0.6613 0.9362	0.7552	0.8467	Lin2	-0.156	0.9031							0.9910		0.9900
Vinyl acetate	+++++ 0.9241	0.5369 0.8837	0.6902 0.6042	0.7056	0.9408	Lin2	-1.829	0.8864							0.9920		0.9900
cis-1,2-Dichloroethene	+++++ 0.5070	0.4260 0.4892	0.4607 0.4852	0.4732	0.4807	Ave		0.4730				5.1		15.0			
2,2-Dichloropropane	+++++ 0.3194	0.3453 0.2965	0.3382 0.2746	0.3077	0.3135	Ave		0.3101				7.9		15.0			
Chlorobromomethane	+++++ 0.2043	0.2011 0.1925	0.2021 0.1902	0.1982	0.1989	Ave		0.1974				2.7		15.0			
Chloroform	+++++ 0.6460	0.6619 0.6011	0.6784 0.5864	0.6499	0.6508	Ave		0.6349				5.2		15.0			
1,2-Dichloroethane	+++++ 0.5823	0.6255 0.5315	0.6176 0.5129	0.5800	0.5701	Ave		0.5713				6.8		15.0			
Ethyl acetate	+++++ 0.5814	0.4633 0.5409	0.5027 0.5041	0.4788	0.5235	Ave		0.5253				9.4		15.0			
Carbon tetrachloride	+++++ 0.3983	0.3857 0.3769	0.3933 0.3609	0.3892	0.3880	Ave		0.3828				3.3		15.0			
Tetrahydrofuran	+++++ 0.2115	0.2065 0.1882	0.1969 0.1723	0.1986	0.1988	Ave		0.1976				6.4		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

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 5		B	M1	M2								
sec-Butyl Alcohol	+++++ 0.0081	0.0054 0.0079	0.0062 0.0075	0.0072	0.0074	Ave		0.0072				14.0		15.0			
1,1,1-Trichloroethane	+++++ 0.4836	0.4499 0.4534	0.4776 0.4287	0.4798	0.4766	Ave		0.4622				4.3		15.0			
2,4,4-Trimethyl-1-pentene	+++++ 0.2014	0.3118 0.1818	0.2469 0.1555	0.1941	0.1840	Lin2	0.0664	0.1796							0.9940		0.9900
Isopropyl acetate	+++++ 0.4117	0.3033 0.3894	0.3573 0.3652	0.3323	0.3595	Ave		0.3684				11.0		15.0			
2-Butanone (MEK)	+++++ 0.2454	0.2252 0.2345	0.2648 0.2252	0.2233	0.2564	Ave		0.2409				6.7		15.0			
1,1-Dichloropropene	+++++ 0.4915	0.3596 0.4666	0.3842 0.4581	0.4329	0.4564	Ave		0.4383				10.0		15.0			
Methylcyclohexane	+++++ 0.4835	0.2764 0.4725	0.3129 0.4510	0.3503	0.4226	Lin2	-0.095	0.4428							0.9910		0.9900
Trichloroethene	+++++ 0.3134	0.3376 0.2881	0.3361 0.2798	0.3290	0.3195	Ave		0.3133				6.9		15.0			
2,4,4-Trimethyl-2-pentene	+++++ 0.6681	0.4106 0.6564	0.4807 0.6146	0.6057	0.9685	Lin	0.7228	0.6182							0.9970		0.9900
n-Heptane	+++++ 0.5861	0.3375 0.6125	0.3493 0.6039	0.3934	0.4830	Lin1	-0.256	0.5988							0.9970		0.9900
Benzene	+++++ 1.3753	1.2375 1.2873	1.2561 1.2589	1.3038	1.3344	Ave		1.2943				3.5		15.0			
Tert-amyl methyl ether	+++++ 0.8070	0.5607 0.7738	0.5773 0.7759	0.6030	0.6667	Ave		0.6823				14.0		15.0			
Dichlorobromomethane	+++++ 0.3633	0.3390 0.3443	0.3507 0.3334	0.3560	0.3444	Ave		0.3469				2.7		15.0			
1,4-Dioxane	+++++ 0.0499	0.0133 0.0542	0.0296 0.0564	0.0350	0.0466	Lin1	-0.308	0.0543							0.9950		0.9900
Dibromomethane	+++++ 0.1872	0.1846 0.1762	0.1907 0.1723	0.1841	0.1795	Ave		0.1816				3.4		15.0			
1,2-Dichloropropane	+++++ 0.3188	0.2993 0.2872	0.3067 0.2579	0.3048	0.3002	Ave		0.2976				6.2		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.4260	0.2898 0.3864	0.3986 0.3252	0.3696	0.4537	Ave		0.3857				15.0		15.0			
Methyl methacrylate	+++++ 0.2097	0.1444 0.2145	0.1385 0.2235	0.1567	0.1573	Lin1	-0.087	0.2157							0.9950		0.9900
n-Propyl acetate	+++++ 0.5865	0.3779 0.5479	0.4133 0.4511	0.4367	0.4949	Qua	-6.123	0.6534	0						1.0000		0.9900
2-Chloroethyl vinyl ether	+++++ 0.2196	0.1014 0.2123	0.1383 0.1932	0.1537	0.2089	Lin2	-0.550	0.2036							0.9900		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

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 5		B	M1	M2								
cis-1,3-Dichloropropene	0.2737 0.4309	0.2952 0.4166	0.3398 0.4134	0.3685	0.3721	Ave		0.3674				15.0		15.0			
Toluene	+++++ 0.6160	0.5424 0.5888	0.5666 0.5793	0.5465	0.5548	Ave		0.5708				4.2		15.0			
Tetrachloroethene	+++++ 0.1910	0.1584 0.1861	0.1703 0.1834	0.1749	0.1798	Ave		0.1781				5.7		15.0			
trans-1,3-Dichloropropene	0.2836 0.4185	0.2903 0.4038	0.3257 0.3872	0.3527	0.3505	Ave		0.3552				14.0		15.0			
Isobutyl acetate	+++++ 0.8307	0.5326 0.7066	0.6459 0.4635	0.6943	0.7761	Qua	-7.129	0.9661	0						1.0000		0.9900
1,1,2-Trichloroethane	+++++ 0.2331	0.2527 0.2158	0.2466 0.2034	0.2379	0.2228	Ave		0.2297				7.1		15.0			
Styrene	+++++ 1.3757	0.7125 1.3764	0.7203 1.3480	0.8708	1.1170	Lin1	-0.599	1.3493							0.9970		0.9900
Chlorodibromomethane	+++++ 0.2390	0.1978 0.2291	0.2289 0.2251	0.2182	0.2133	Ave		0.2217				5.6		15.0			
1,3-Dichloropropane	+++++ 0.4105	0.3710 0.3907	0.3874 0.3734	0.3745	0.3705	Ave		0.3827				3.6		15.0			
Isopropylbenzene	+++++ 2.0255	1.0688 2.1023	1.0747 2.0438	1.3310	1.6694	Lin1	-0.937	2.0368							0.9970		0.9900
Ethylene Dibromide	+++++ 0.2414	0.2161 0.2308	0.2076 0.2260	0.2130	0.2132	Ave		0.2212				5.0		15.0			
n-Butyl acetate	+++++ 0.6251	0.3644 0.5543	0.4089 0.4105	0.4711	0.5501	Qua	-6.408	0.7115	0						1.0000		0.9900
2-Hexanone	+++++ 0.3173	0.2067 0.2937	0.2722 0.2592	0.2726	0.3330	Ave		0.2849				15.0		15.0			
Bromobenzene	+++++ 1.0697	0.9037 1.0612	0.9213 1.0158	0.9328	1.0318	Ave		0.9938				6.6		15.0			
2-Chlorotoluene	+++++ 1.8024	1.1184 1.8038	1.1706 1.7341	1.3756	1.6094	Lin2	-0.334	1.6771							0.9920		0.9900
1,3,5-Trimethylbenzene	+++++ 1.8086	0.8168 1.8014	0.9298 1.7122	1.2074	1.5460	Lin1	-0.729	1.7455							0.9980		0.9900
1,2,3-Trichloropropane	+++++ 0.1637	0.1542 0.1555	0.1534 0.1482	0.1563	0.1630	Ave		0.1564				3.2		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1759	0.0985 0.1835	0.1000 0.1894	0.1271	0.1464	Lin1	-0.084	0.1842							0.9970		0.9900
Chlorobenzene	+++++ 1.2661	1.0982 1.2595	1.1579 1.2326	1.1474	1.2184	Ave		1.1968			0.3000	4.9		15.0			
Ethylbenzene	+++++ 2.3728	1.7155 2.4131	1.7611 2.3594	1.8569	2.0723	Ave		2.0949				14.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

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 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	+++++ 0.4170	0.3961 0.4117	0.4012 0.4032	0.3791	0.4015	Ave		0.4000				3.0		15.0			
m-Xylene & p-Xylene	+++++ 1.9329	1.1204 1.9414	1.1843 1.8694	1.4347	1.7025	Lin2	-0.804	1.7941							0.9900		0.9900
1,2,4-Trimethylbenzene	+++++ 1.7726	0.7965 1.7773	0.8090 1.6947	1.1474	1.5283	Lin1	-0.773	1.7231							0.9980		0.9900
o-Xylene	+++++ 1.7918	1.0294 1.8465	1.0693 1.8205	1.1860	1.3974	Lin1	-0.796	1.7998							0.9960		0.9900
Bromoform	+++++ 0.6898	0.6547 0.7032	0.7042 0.7402	0.5921	0.6046	Ave		0.6664			0.1000	7.8		15.0			
1,2-Dichlorobenzene	+++++ 1.7398	1.6121 1.7747	1.7197 1.7942	1.5568	1.6346	Ave		1.6850				5.0		15.0			
N-Propylbenzene	+++++ 2.6671	1.5442 2.6762	1.6122 2.5518	1.9245	2.3214	Lin1	-0.879	2.5924							0.9980		0.9900
1,1,2,2-Tetrachloroethane	+++++ 1.5690	1.9751 1.5048	1.9116 1.4813	1.5642	1.5032	Ave		1.6299			0.3000	12.0		15.0			
4-Chlorotoluene	+++++ 1.6263	0.9495 1.6172	0.9732 1.5338	1.2521	1.4805	Lin2	-0.337	1.5080							0.9910		0.9900
1,2-Dibromo-3-Chloropropane	+++++ 0.1786	0.1064 0.1994	0.1631 0.2256	0.1651	0.1597	Lin1	-0.088	0.2084							0.9900		0.9900
tert-Butylbenzene	+++++ 1.3372	0.6887 1.3703	0.7111 1.3203	0.8971	1.1073	Lin1	-0.585	1.3247							0.9970		0.9900
sec-Butylbenzene	+++++ 2.1142	1.0864 2.1601	1.0593 2.0312	1.5183	1.9130	Lin1	-0.808	2.0746							0.9980		0.9900
4-Isopropyltoluene	+++++ 1.6046	0.7107 1.6677	0.7568 1.5994	1.0418	1.3290	Lin1	-0.796	1.6054							0.9970		0.9900
1,2,4-Trichlorobenzene	+++++ 0.9307	0.7736 1.0652	0.7859 1.1601	0.7011	0.7592	Lin	-3.884	1.1620							0.9970		0.9900
1,3-Dichlorobenzene	+++++ 0.8483	0.5914 0.8468	0.6293 0.8155	0.7726	0.8448	Ave		0.7703				13.0		15.0			
1,4-Dichlorobenzene	+++++ 1.9802	1.8503 1.9648	1.8726 1.9704	1.8323	1.8699	Ave		1.9010				3.2		15.0			
n-Butylbenzene	+++++ 3.8100	2.4136 4.0390	2.4464 3.9103	2.6186	3.0408	Lin1	-1.577	3.8872							0.9970		0.9900
1,3,5-Trichlorobenzene	+++++ 1.1092	0.9484 1.2537	0.9946 1.3134	0.8412	0.9755	Ave		1.0677				15.0		15.0			
Hexachlorobutadiene	0.6367 0.5035	0.6547 0.5567	0.5074 0.5809	0.4593	0.4851	Ave		0.5408				13.0		15.0			
Naphthalene	+++++ 2.6049	1.8013 2.9724	1.6700 3.2882	1.5511	1.7211	Lin	-13.40	3.3014							0.9960		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

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 5		B	M1	M2								
1,2,3-Trichlorobenzene	+++++ 0.8670	0.7221 0.9464	0.7112 1.0081	0.6592	0.7170	Lin1	-0.359	0.9530							0.9920		0.9900
Dibromofluoromethane	+++++ 0.2603	0.2853 0.2452	0.2874 0.2368	0.2808	0.2706	Ave		0.2654				7.1		15.0			
Toluene-d8 (Surr)	+++++ 0.7363	0.7286 0.7024	0.7530 0.6935	0.7641	0.7263	Ave		0.7298				3.2		15.0			
4-Bromofluorobenzene	+++++ 0.4827	0.4208 0.4909	0.4174 0.4880	0.4666	0.4943	Ave		0.4679				6.7		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-48601/4	V06683.D
Level 2	STD05 360-48601/5	V06684.D
Level 3	STD1 360-48601/6	V06685.D
Level 4	STD5 360-48601/7	V06686.D
Level 5	STD10 360-48601/8	V06687.D
Level 6	STD40 360-48601/9	V06688.D
Level 7	STD80 360-48601/10	V06689.D
Level 8	STD160 360-48601/11	V06690.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 399894	4205 862698	9035 1676070	45630	99131	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chloromethane	FB	Ave	+++++ 405224	5180 864441	9820 1773175	46886	100605	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 395699	4210 833424	8802 1607903	43195	95794	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chloroethane	FB	Ave	+++++ 157445	2071 334358	3632 652007	17546	39464	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Bromomethane	FB	Ave	+++++ 150981	1978 345800	4004 680383	17902	38686	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 472956	4693 1031637	10084 2005908	52321	116597	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 309833	4229 626396	7474 1278772	34813	71411	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 220174	2561 449819	5053 912841	25004	51818	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Ethyl ether	FB	Ave	+++++ 328470	3388 648353	7484 1283435	36069	74099	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Ethanol	FB	Lin1	+++++ 174748	1452 367347	2848 711914	21633	44223	+++++ 2000	25.0 4000	50.0 8000	250	500
Carbon disulfide	FB	Ave	+++++ 1118815	14675 2230059	26671 4397371	128886	262915	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 592218	5290 1183009	11600 2359191	61198	133368	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Acrolein	12DC E	Ave	+++++ 4571268	35987 9125629	96050 16756550	444707	1139727	+++++ 2000	25.0 4000	50.0 8000	250	500
Isopropyl alcohol	FB	Ave	+++++ 1332098	15117 2787424	29511 5541404	134190	302961	+++++ 2000	25.0 4000	50.0 8000	250	500
Methylene Chloride	FB	Lin2	+++++ 373970	14775 728354	19856 1454479	50856	93701	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Acetone	FB	Lin1	+++++ 1538853	23564 3081290	46198 5975164	164167	392171	+++++ 400	5.00 800	10.0 1600	50.0	100
Isopropyl ether	FB	Ave	+++++ 1197051	8845 2542399	17814 5240136	94737	219257	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Methyl acetate	FB	Ave	+++++ 4449138	44327 8953086	110554 18919541	427361	1170410	+++++ 400	5.00 800	10.0 1600	50.0	100
Hexane	FB	Lin2	+++++ 827013	5268 1712578	11853 3440341	66638	168497	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Methyl tert-butyl ether	FB	Ave	+++++ 1045448	7648 2084041	16208 4280169	93511	211596	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 181212	1666 359292	3378 727075	18367	37785	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
2-Methyl-2-propanol	12DCE	Ave	+++++ 402258	3482 800200	7284 1694514	42627	88478	+++++ 400	5.00 800	10.0 1600	50.0	100
1,1-Dichloroethane	FB	Ave	+++++ 688428	7064 1388590	14919 2801777	75578	158768	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Cyclohexane	FB	Lin1	+++++ 636648	3716 1340946	8276 2656667	45548	117947	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Tert-butyl ethyl ether	FB	Lin2	+++++ 1071005	6861 2183563	14459 4363547	87077	205966	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Vinyl acetate	FB	Lin2	+++++ 9793238	57042 20052817	150900 28160873	813610	2288564	+++++ 400	5.00 800	10.0 1600	50.0	100
cis-1,2-Dichloroethene	FB	Ave	+++++ 537302	4526 1110048	10073 2261558	54566	116944	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 338514	3669 672902	7394 1279948	35483	76267	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chlorobromomethane	FB	Ave	+++++ 216505	2137 436952	4418 886522	22857	48376	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chloroform	FB	Ave	+++++ 684642	7032 1364171	14833 2732905	74938	158329	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2-Dichloroethane	FB	Ave	+++++ 617094	6645 1206050	13503 2390567	66875	138682	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Ethyl acetate	FB	Ave	+++++ 6161350	49218 12275760	109908 23496230	552157	1273417	+++++ 400	5.00 800	10.0 1600	50.0	100
Carbon tetrachloride	FB	Ave	+++++ 422094	4098 855395	8598 1681853	44884	94399	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 2241586	21935 4271629	43045 8030625	228992	483549	+++++ 400	5.00 800	10.0 1600	50.0	100
sec-Butyl Alcohol	FB	Ave	+++++ 430904	2854 896160	6801 1740890	41509	90276	+++++ 2000	25.0 4000	50.0 8000	250	500
1,1,1-Trichloroethane	FB	Ave	+++++ 512498	4780 1028925	10442 1997944	55329	115929	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,4-Trimethyl-1-pentene	FB	Lin2	+++++ 213430	3313 412487	5398 724546	22377	44770	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Isopropyl acetate	FB	Ave	+++++ 4362755	32223 8837227	78115 17021993	383216	874542	+++++ 400	5.00 800	10.0 1600	50.0	100
2-Butanone (MEK)	FB	Ave	+++++ 2600303	23929 5321069	57901 10497790	257480	623722	+++++ 400	5.00 800	10.0 1600	50.0	100
1,1-Dichloropropene	FB	Ave	+++++ 520864	3820 1058791	8401 2134947	49916	111015	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Methylcyclohexane	FB	Lin2	+++++ 512358	2937 1072156	6841 2102087	40394	102806	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Trichloroethene	FB	Ave	+++++ 332093	3587 653889	7349 1304194	37941	77725	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
2,4,4-Trimethyl-2-pentene	FB	Lin	+++++ 708015	4362 1489619	10510 2864357	69847	235614	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
n-Heptane	FB	Lin1	+++++ 621170	3586 1389875	7636 2814698	45361	117495	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Benzene	FB	Ave	+++++ 1457516	13147 2921287	27462 5867315	150346	324612	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Tert-amyl methyl ether	FB	Ave	+++++ 855259	5957 1755932	12621 3616188	69528	162192	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Dichlorobromomethane	FB	Ave	+++++ 384988	3602 781435	7668 1553875	41048	83786	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,4-Dioxane	12DCE	Lin1	+++++ 26818	77 56577	353 115658	2149	5741	+++++ 400	5.00 800	10.0 1600	50.0	100
Dibromomethane	FB	Ave	+++++ 198376	1961 399859	4170 803127	21233	43672	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 337888	3180 651663	6706 1202236	35143	73034	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 4514796	30788 8769610	87145 15154852	426157	1103653	+++++ 400	5.00 800	10.0 1600	50.0	100
Methyl methacrylate	FB	Lin1	+++++ 222183	1534 486768	3029 1041861	18070	38270	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
n-Propyl acetate	FB	Qua	+++++ 6215142	40145 12433155	90371 21023471	503542	1203837	+++++ 400	5.00 800	10.0 1600	50.0	100
2-Chloroethyl vinyl ether	FB	Lin2	+++++ 2327319	10771 4818648	30238 9006864	177205	508066	+++++ 400	5.00 800	10.0 1600	50.0	100
cis-1,3-Dichloropropene	FB	Ave	1757 456691	3136 945490	7429 1926931	42494	90530	0.300 40.0	0.500 80.0	1.00 160	5.00	10.0
Toluene	FB	Ave	+++++ 652785	5763 1336106	12388 2699954	63021	134970	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Tetrachloroethene	FB	Ave	+++++ 202444	1683 422283	3723 854687	20164	43730	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
trans-1,3-Dichloropropene	FB	Ave	1821 443517	3084 916403	7120 1804469	40669	85272	0.300 40.0	0.500 80.0	1.00 160	5.00	10.0
Isobutyl acetate	FB	Qua	+++++ 8803330	56580 16036004	141223 21602945	800634	1888057	+++++ 400	5.00 800	10.0 1600	50.0	100
1,1,2-Trichloroethane	FB	Ave	+++++ 247056	2685 489797	5392 947775	27430	54202	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Styrene	CBZ	Lin1	+++++ 740461	3936 1492498	8230 2911718	52285	134677	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chlorodibromomethane	FB	Ave	+++++ 253324	2101 519983	5005 1049345	25159	51898	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,3-Dichloropropane	FB	Ave	+++++ 435005	3942 886523	8470 1740202	43184	90126	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Isopropylbenzene	CBZ	Lin1	+++++ 1090193	5904 2279595	12279 4414531	79922	201288	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Ethylene Dibromide	FB	Ave	+++++ 255803	2296 523724	4539 1053130	24565	51876	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
n-Butyl acetate	FB	Qua	+++++ 6624609	38716 12577683	89396 19131294	543272	1338300	+++++ 400	5.00 800	10.0 1600	50.0	100
2-Hexanone	FB	Ave	+++++ 3362472	21965 6665475	59507 12081921	314290	810058	+++++ 400	5.00 800	10.0 1600	50.0	100
Bromobenzene	CBZ	Ave	+++++ 575766	4992 1150668	10526 2194013	56008	124408	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
2-Chlorotoluene	CBZ	Lin2	+++++ 970100	6178 1955906	13375 3745689	82599	194045	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Lin1	+++++ 973435	4512 1953319	10623 3698356	72498	186407	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 88083	852 168616	1753 320082	9383	19658	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
trans-1,4-Dichloro-2-butene	CBZ	Lin1	+++++ 94684	544 199020	1142 409178	7629	17647	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 681474	6066 1365682	13230 2662344	68897	146900	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1277104	9476 2616566	20122 5096331	111500	249862	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 224436	2188 446430	4584 870890	22766	48415	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
m-Xylene & p-Xylene	CBZ	Lin2	+++++ 2080717	12378 4210264	27062 8075890	172296	410536	+++++ 80.0	1.00 160	2.00 320	10.0	20.0
1,2,4-Trimethylbenzene	CBZ	Lin1	+++++ 954091	4400 1927134	9243 3660616	68898	184272	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
o-Xylene	CBZ	Lin1	+++++ 964410	5686 2002269	12217 3932262	71215	168489	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Bromoform	DCB	Ave	+++++ 163802	1311 335391	2905 689387	15281	33148	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 413139	3228 846459	7094 1671126	40179	89618	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
N-Propylbenzene	CBZ	Lin1	+++++ 1435518	8530 2901933	18420 5511822	115557	279893	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 372561	3955 717746	7886 1379668	40368	82414	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
4-Chlorotoluene	CBZ	Lin2	+++++ 875303	5245 1753599	11120 3313036	75180	178507	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	+++++ 42407	213 95090	673 210149	4260	8753	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
tert-Butylbenzene	CBZ	Lin1	+++++ 719718	3804 1485890	8125 2851756	53866	133505	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
sec-Butylbenzene	CBZ	Lin1	+++++ 1137932	6001 2342285	12103 4387353	91168	230657	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
4-Isopropyltoluene	CBZ	Lin1	+++++ 863619	3926 1808293	8647 3454743	62555	160239	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Lin	+++++ 221001	1549 508046	3242 1080476	18094	41625	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 456586	3267 918187	7190 1761496	46388	101853	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 470223	3705 937127	7725 1835258	47289	102518	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
n-Butylbenzene	DCB	Lin1	+++++ 904710	4833 1926428	10092 3642039	67582	166713	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Ave	+++++ 263377	1899 597951	4103 1223327	21711	53484	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Hexachlorobutadiene	DCB	Ave	753 119558	1311 265536	2093 541046	11853	26596	0.300 40.0	0.500 80.0	1.00 160	5.00	10.0
Naphthalene	DCB	Lin	+++++ 618557	3607 1417719	6889 3062574	40030	94361	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Lin1	+++++ 205873	1446 451400	2934 938939	17012	39307	+++++ 40.0	0.500 80.0	1.00 160	5.00	10.0
Dibromofluoromethane	FB	Ave	+++++ 137937	121227 139127	125669 137985	129535	131670	+++++ 20.0	20.0 20.0	20.0 20.0	20.0	20.0
Toluene-d8 (Surr)	FB	Ave	+++++ 390135	309636 398502	329244 404017	352412	353365	+++++ 20.0	20.0 20.0	20.0 20.0	20.0	20.0
4-Bromofluorobenzene	CBZ	Ave	+++++ 129911	92981 133064	95383 131770	112058	119190	+++++ 20.0	20.0 20.0	20.0 20.0	20.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48601

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2009 16:54 Calibration End Date: 09/03/2009 20:02 Calibration ID: 4218

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06683.D		
Lims ID:	STD03	Client ID:	
Inject. Date:	03-Sep-2009 17:36:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std03		
Misc. Info.:	360-0001074-004		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48601	Lims Sample ID:	4
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 11:29:03	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 11:29:03

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	2653	0.3181	
2 Chloromethane	1	50	1.907	1.907	0.000	3242	0.3659	
3 Vinyl chloride	1	62	1.990	1.990	0.000	2625	0.3239	
4 Bromomethane	1	94	2.287	2.287	0.000	2092	0.6060	
5 Chloroethane	1	64		2.405				1
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	2898	0.2991	
7 Ethyl ether	1	59	2.821	2.821	0.000	2262	0.3471	
8 Ethanol	1	45	2.951	2.951	0.000	1873	30.1	
9 1,1-Dichloroethene	1	96		3.034				1
10 Carbon disulfide	1	76	3.070	3.070	0.000	10510	0.4475	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.082				1
12 Acrolein	1	56	3.390	3.390	0.000	22457	12.0	
13 Isopropyl alcohol	1	45	3.532	3.532	0.000	10567	19.9	
14 Methylene Chloride	1	84	3.639	3.639	0.000	12049	0.0637	7
15 Acetone	1	43	3.699	3.698	0.001	19417	2.01	
16 trans-1,2-Dichloroethene	1	61		3.805				1
17 Methyl acetate	1	43	3.829	3.817	0.012	29522	3.19	
18 Hexane	1	57	3.888	3.888	0.000	3368	0.3981	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	4925	0.2698	
20 2-Methyl-2-propanol	1	59	4.019	4.007	0.012	2050	2.50	
21 Isopropyl ether	1	45		4.327				1
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	4141	0.3019	
23 Acrylonitrile	1	53		4.541				1
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	4132	0.3868	
25 Vinyl acetate	1	43	4.742	4.742	0.000	34566	3.89	
S 26 1,2-Dichloroethene, Total	1	1					0.2751	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	2785	0.2751	
28 2,2-Dichloropropane	1	77	5.169	5.181	-0.012	2152	0.3242	
29 Cyclohexane	1	56		5.264				1

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	1182	0.2799	
31 Chloroform	1	83	5.347	5.347	0.000	4277	0.3148	
32 Ethyl acetate	1	43	5.490	5.490	0.000	30660	2.73	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	2155	0.2631	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	13959	3.30	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	1536	9.91	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	121608	21.4	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	2819	0.2850	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	16821	3.26	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	2155	0.2297	
40 n-Heptane	1	43	5.940	5.952	-0.012	1705	0.5613	
41 Benzene	1	78	6.000	6.000	0.000	7750	0.2798	
42 Tert-amyl methyl ether	1	73	6.118	6.130	-0.012	3662	0.2508	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	23230	20.0	
44 1,2-Dichloroethane	1	62		6.225				1
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	428001	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55		6.498				1
47 Isopropyl acetate	1	43		6.498				1
48 Methylcyclohexane	1	83		6.640				1
49 Trichloroethene	1	95		6.652				1
50 2,4,4-Trimethyl-2-pentene	1	55		6.700				1
51 Dibromomethane	1	93	7.115	7.115	0.000	1005	0.2586	
52 1,2-Dichloropropane	1	63	7.221	7.221	0.000	1960	0.3077	
53 Dichlorobromomethane	1	83		7.281				1
54 Methyl methacrylate	1	69	7.459	7.459	0.001	946	0.6104	
55 1,4-Dioxane	1	88		7.494				1
56 n-Propyl acetate	1	43	7.601	7.601	0.000	23694	11.1	
S 57 1,3-Dichloropropene, Total	1	1					0.4631	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	6039	4.09	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	1757	0.2235	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	307800	19.7	
61 Toluene	1	92	8.158	8.158	0.000	3472	0.2842	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	30456	0	
65 4-Methyl-2-pentanone (MIBK)	1	43		8.514				1
64 Tetrachloroethene	1	164	8.514	8.514	0.000	996	0.2613	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	1821	0.2396	M
63 Isobutyl acetate	1	43	8.348	8.633	-0.285	29825	8.85	
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	1528	0.3109	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	1426	0.3006	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	2454	0.2997	
71 Ethylene Dibromide	1	107	9.071	9.071	0.000	1348	0.2847	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	22911	10.5	
72 2-Hexanone	1	43	9.273	9.273	0.000	13266	2.18	
S 73 Xylenes, Total	1	1					1.43	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	215934	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	3613	0.2796	
76 Ethylbenzene	1	91	9.558	9.558	0.000	5416	0.2394	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	1356	0.3140	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	7003	0.8098	
79 o-Xylene	1	91	10.056	10.056	0.000	3518	0.6234	
80 Styrene	1	104		10.103				1
81 Bromoform	1	173	10.127	10.127	0.000	789	0.3003	

Report Date: 04-Sep-2009 11:29:03 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06683.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105		10.317				1
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	92871	18.4	
85 Bromobenzene	1	77		10.649				1
86 N-Propylbenzene	1	91	10.660	10.672	-0.012	5370	0.5310	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	2363	0.3677	
88 2-Chlorotoluene	1	91		10.803				1
89 1,3,5-Trimethylbenzene	1	105		10.827				1
90 1,2,3-Trichloropropane	1	110		10.850				1
91 trans-1,4-Dichloro-2-butene	1	53		10.874				1
92 4-Chlorotoluene	1	91	10.945	10.933	0.012	2936	0.4037	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	2433	0.6116	
94 1,2,4-Trimethylbenzene	1	105		11.147				1
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	3421	0.5421	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	2355	0.6319	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	1971	0.2370	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	78850	20.0	
99 1,4-Dichlorobenzene	1	146	11.502	11.502	0.000	2169	0.2894	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	2820	0.5896	
101 1,2-Dichlorobenzene	1	146		11.846				1
102 1,2-Dibromo-3-Chloropropane	1	157		12.511				1
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	1249	0.2967	
104 Hexachlorobutadiene	1	225	13.020	13.020	0.000	753	0.3531	
105 1,2,4-Trichlorobenzene	1	180		13.056				1
106 Naphthalene	1	128	13.341	13.341	0.000	2319	4.24	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	996	0.6413	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 11:29:03 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06683.D

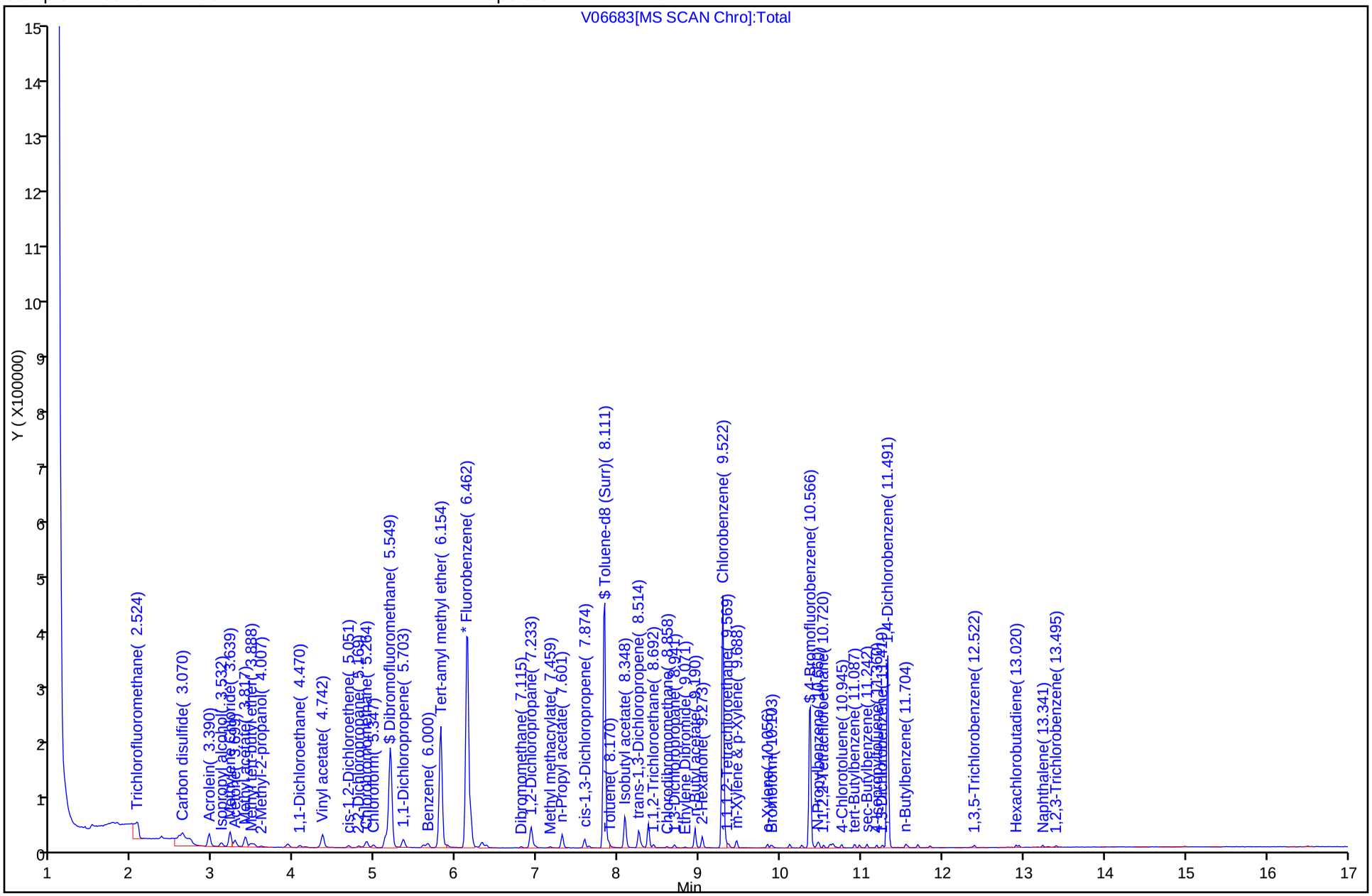
Inj Date: 03-Sep-2009 17:36:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 4

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std03

Sample Amount: 1.00 Operator: CT



Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06683.D		
Inj Date:	03-Sep-2009 17:36:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	4
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std03		
Sample Amount:	1.00	Operator:	CT

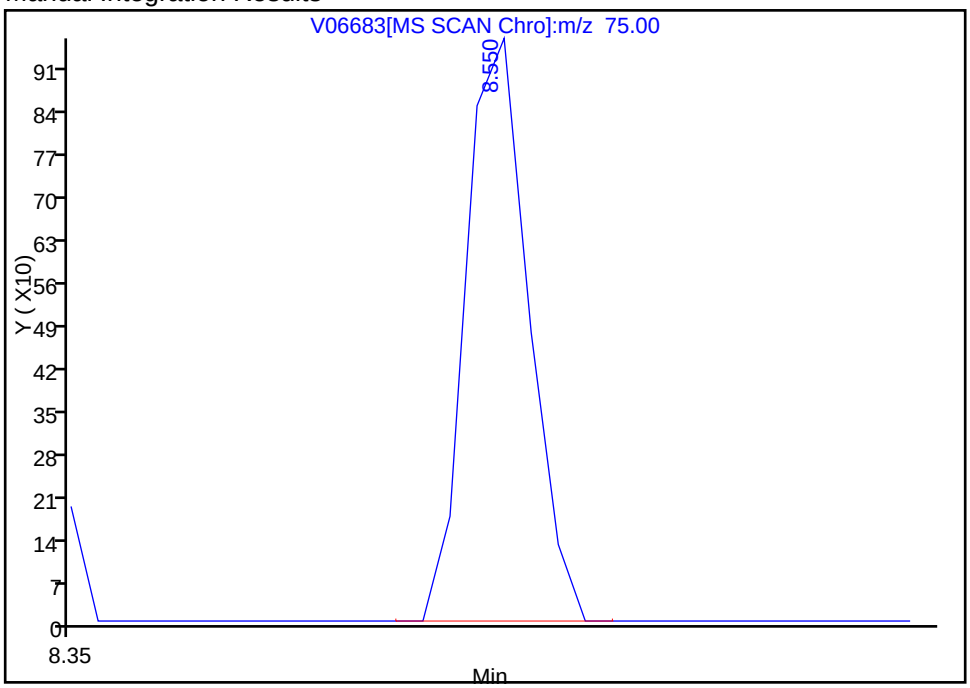
66 trans-1,3-Dichloropropene, Number: 1, m/z: 75 Type: quant, RT: 8.55, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 8.55

Manual Integration Results

RT: 8.55
Response: 1821
Amount: 0.239582



Reviewer: testerc, 04-Sep-2009 11:29:03
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	03-Sep-2009 17:57:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std05		
Misc. Info.:	360-0001074-005		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48601	Lims Sample ID:	5
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 11:04:02	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 11:04:02

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	4205	0.5044	
2 Chloromethane	1	50	1.907	1.907	0.000	5180	0.5748	
3 Vinyl chloride	1	62	1.990	1.990	0.000	4210	0.5186	
4 Bromomethane	1	94	2.287	2.287	0.000	1978	0.3442	M
5 Chloroethane	1	64	2.406	2.405	0.001	2071	0.6111	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	4693	0.4880	
7 Ethyl ether	1	59	2.821	2.821	0.000	3388	0.5146	
8 Ethanol	1	45	2.951	2.951	0.000	1452	16.3	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	4229	0.6496	M
10 Carbon disulfide	1	76	3.070	3.070	0.000	14675	0.4951	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	2561	0.5678	
12 Acrolein	1	56	3.390	3.390	0.000	35987	19.7	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	15117	27.7	
14 Methylene Chloride	1	84	3.639	3.639	0.000	14775	0.5611	
15 Acetone	1	43	3.699	3.698	0.001	23564	4.03	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	5290	0.4730	
17 Methyl acetate	1	43	3.817	3.817	0.000	44327	4.79	
18 Hexane	1	57	3.888	3.888	0.000	5268	0.5065	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	7648	0.4267	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	3482	4.36	
21 Isopropyl ether	1	45	4.327	4.327	0.000	8845	0.4326	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	7064	0.5183	
23 Acrylonitrile	1	53	4.541	4.541	0.000	1666	0.4948	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	6861	0.5262	
25 Vinyl acetate	1	43	4.742	4.742	0.000	57042	13.6	
S 26 1,2-Dichloroethene, Total	1	1					0.9275	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	4526	0.4545	
28 2,2-Dichloropropane	1	77	5.170	5.181	-0.011	3669	0.5518	
29 Cyclohexane	1	56	5.264	5.264	0.000	3716	0.6581	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	2137	0.5134	
31 Chloroform	1	83	5.347	5.347	0.000	7032	0.5184	
32 Ethyl acetate	1	43	5.490	5.490	0.000	49218	4.45	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	4098	0.5108	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	21935	5.17	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	2854	23.8	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	121227	21.3	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	4780	0.4894	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	23929	4.63	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	3820	0.4211	
40 n-Heptane	1	43	5.941	5.952	-0.011	3586	0.5784	
41 Benzene	1	78	6.000	6.000	0.000	13147	0.4817	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	5957	0.4185	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	23084	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	6645	0.5474	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	424961	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	3313	0.4981	M
47 Isopropyl acetate	1	43	6.498	6.498	0.000	32223	4.12	M
48 Methylcyclohexane	1	83	6.640	6.640	0.000	2937	0.5273	M
49 Trichloroethene	1	95	6.652	6.652	0.000	3587	0.5388	M
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	4362	-0.837155	7
51 Dibromomethane	1	93	7.115	7.115	0.000	1961	0.5161	
52 1,2-Dichloropropane	1	63	7.221	7.221	0.000	3180	0.5014	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	3602	0.4886	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	1534	0.5837	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	77	6.90	M
56 n-Propyl acetate	1	43	7.601	7.601	0.000	40145	10.6	
S 57 1,3-Dichloropropene, Total	1	1					0.8004	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	10771	4.65	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	3136	0.4018	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	309636	20.0	
61 Toluene	1	92	8.158	8.158	0.000	5763	0.4780	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	52191	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	30788	3.76	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	1683	0.4512	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	3084	0.3986	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	56580	8.92	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	2685	0.5480	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	2101	0.4460	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	3942	0.4849	
71 Ethylene Dibromide	1	107	9.071	9.071	0.000	2296	0.4912	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	38716	10.0	
72 2-Hexanone	1	43	9.273	9.273	0.000	21965	4.53	
S 73 Xylenes, Total	1	1					1.62	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	220953	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	6066	0.4623	
76 Ethylbenzene	1	91	9.558	9.558	0.000	9476	0.4188	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	2188	0.4926	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	12378	1.05	
79 o-Xylene	1	91	10.056	10.056	0.000	5686	0.5653	
80 Styrene	1	104	10.103	10.103	0.000	3936	0.7076	
81 Bromoform	1	173	10.127	10.127	0.000	1311	0.4912	

Report Date: 04-Sep-2009 11:04:02 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	5904	0.7223	M
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	92981	18.2	
85 Bromobenzene	1	77	10.649	10.649	0.000	4992	0.4547	M
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	8530	0.5204	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	3955	0.5911	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	6178	0.5324	M
89 1,3,5-Trimethylbenzene	1	105	10.827	10.827	0.000	4512	0.6514	M
90 1,2,3-Trichloropropane	1	110	10.850	10.850	0.000	852	0.4930	M
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	544	0.7238	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	5245	0.5171	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	3804	0.5442	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	4400	0.6799	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	6001	0.5290	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	3926	0.5500	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	3267	0.3931	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	80096	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	3705	0.4886	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	4833	0.5700	
101 1,2-Dichlorobenzene	1	146	11.846	11.846	0.000	3228	0.4784	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.511	0.000	213	0.6767	M
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	1899	0.4447	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	1311	0.6053	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	1549	3.68	M
106 Naphthalene	1	128	13.341	13.341	0.000	3607	3.71	M
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	1446	0.4483	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 11:04:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D

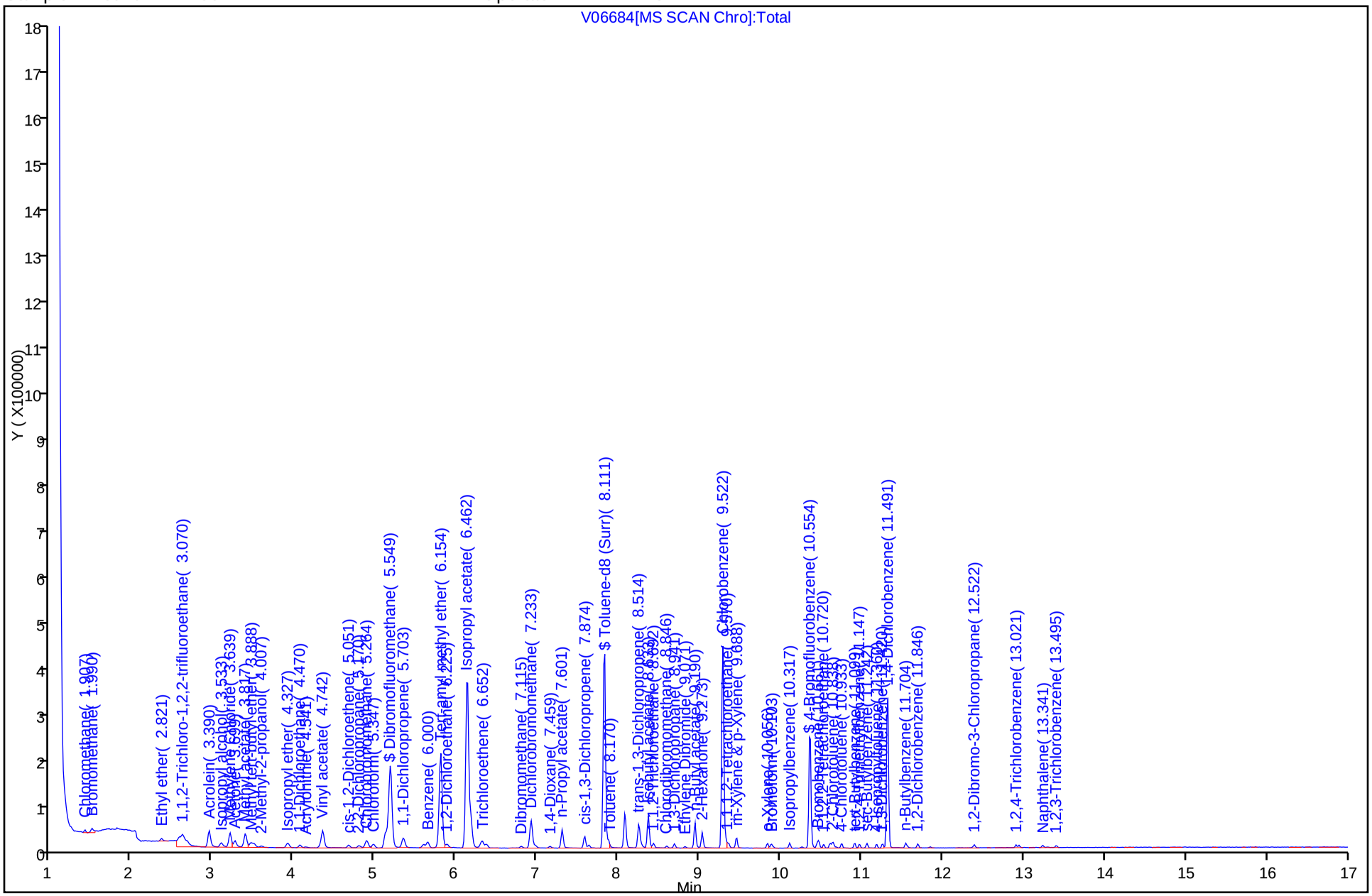
Inj Date: 03-Sep-2009 17:57:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 5

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std05

Sample Amount: 1.00 Operator: CT



Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

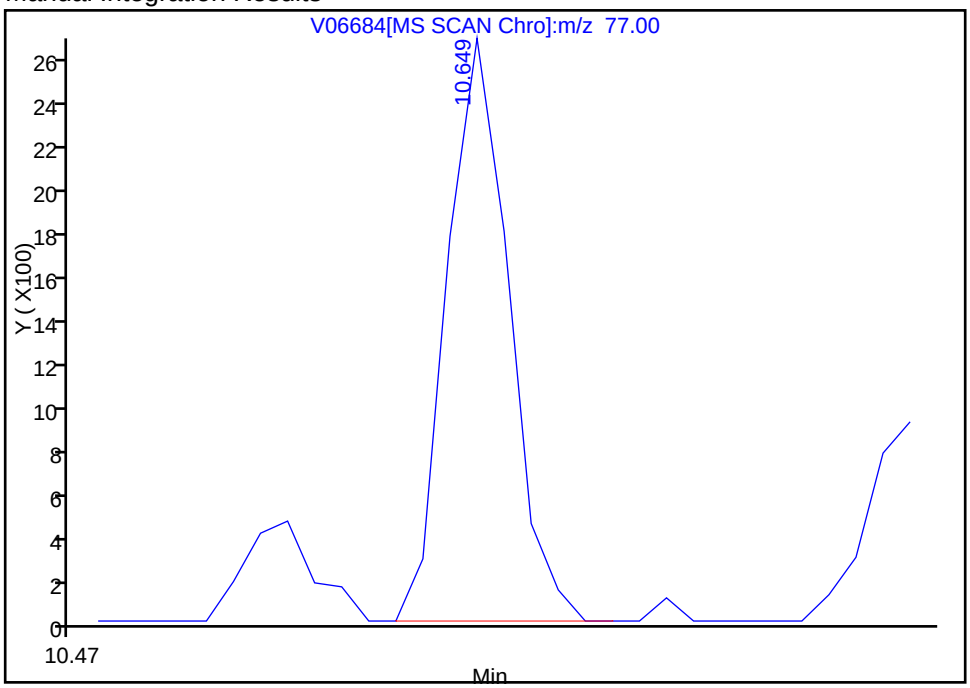
85 Bromobenzene, Number: 1, m/z: 77 Type: quant, RT: 10.65, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.65

Manual Integration Results

RT: 10.65
Response: 4992
Amount: 0.454661



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

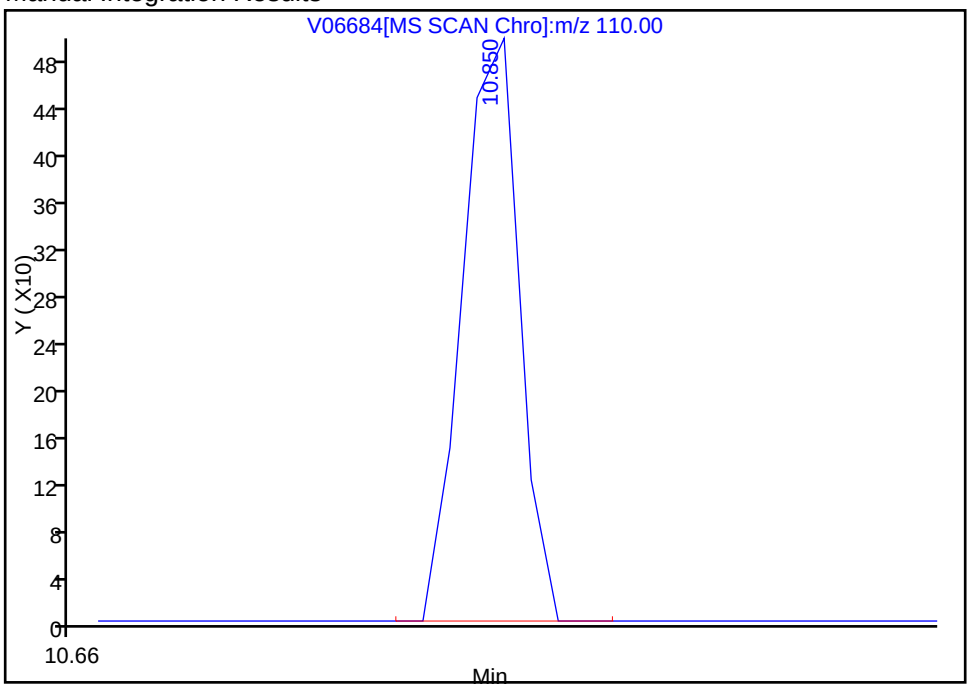
90 1,2,3-Trichloropropane, Number: 1, m/z: 110 Type: quant, RT: 10.85, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.85

Manual Integration Results

RT: 10.85
Response: 852
Amount: 0.492976



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

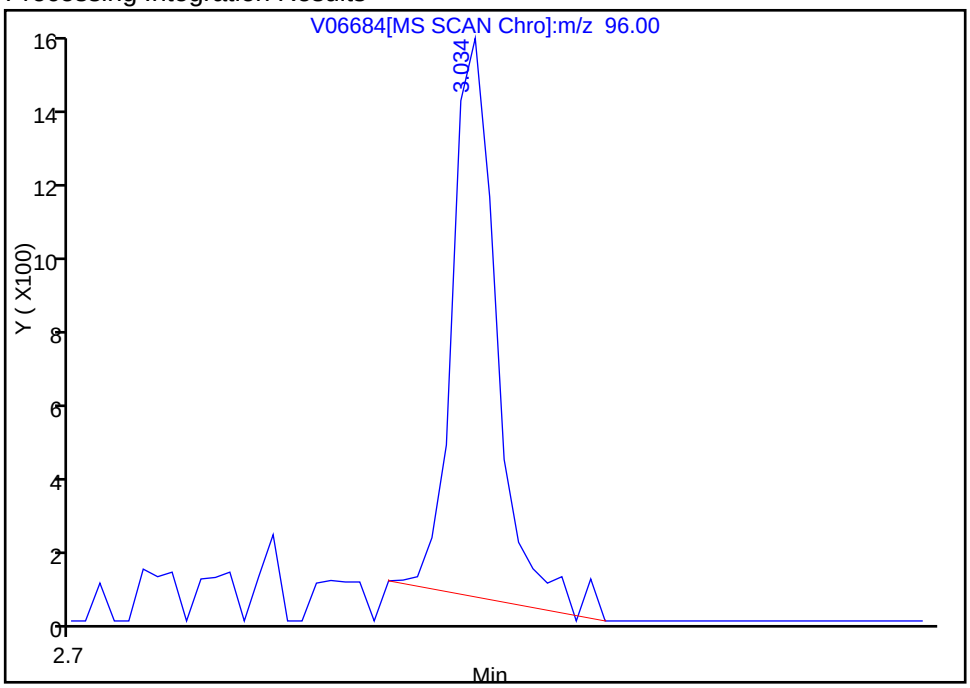
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

9 1,1-Dichloroethene, Number: 1, m/z: 96 Type: quant, RT: 3.03, Det: MS SCAN

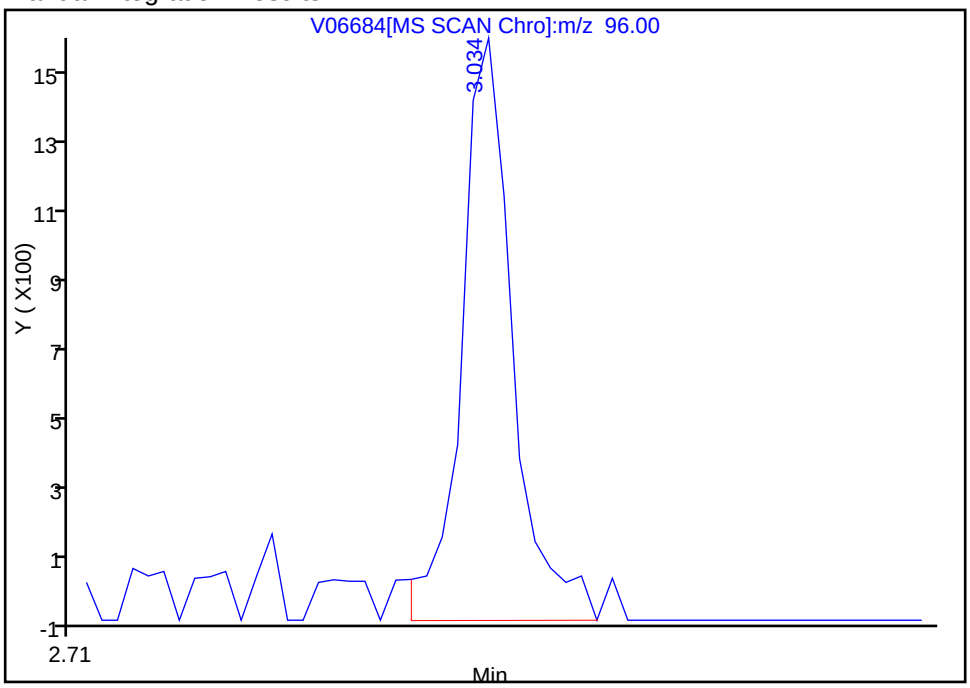
Processing Integration Results

RT: 3.03
Response: 3776
Amount: 0.590245



Manual Integration Results

RT: 3.03
Response: 4229
Amount: 0.649556



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

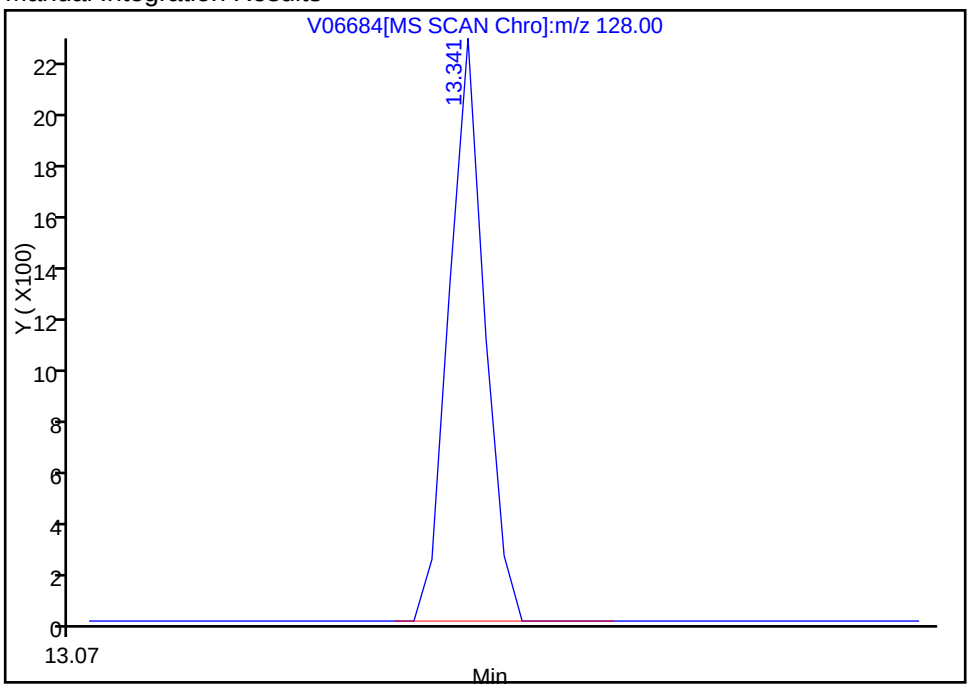
106 Naphthalene, Number: 1, m/z: 128 Type: quant, RT: 13.34, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 13.34

Manual Integration Results

RT: 13.34
Response: 3607
Amount: 3.705567



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

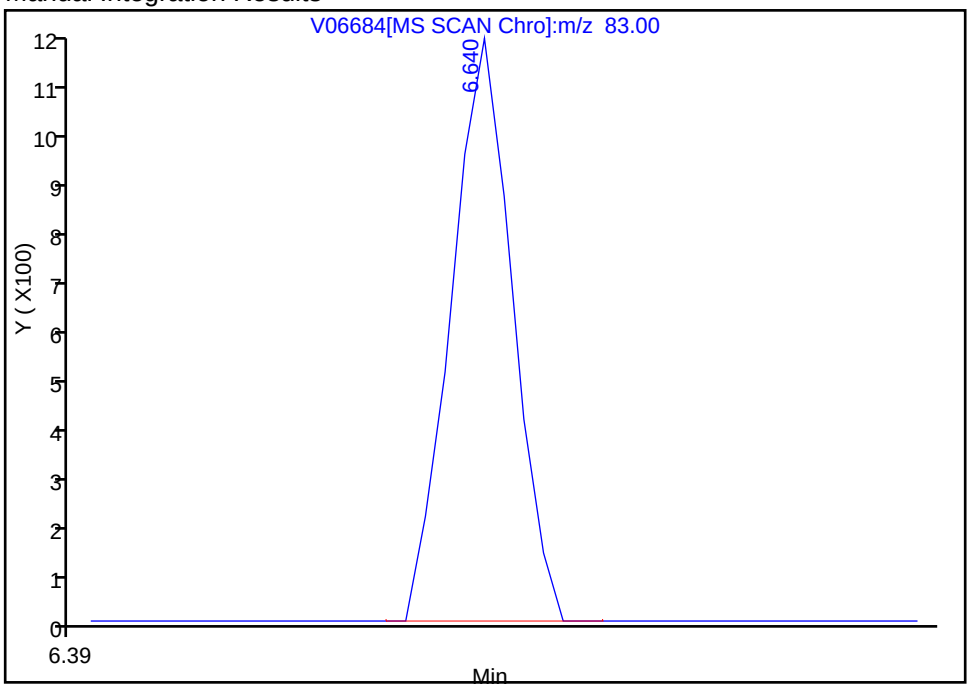
48 Methylcyclohexane, Number: 1, m/z: 83 Type: quant, RT: 6.64, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 6.64

Manual Integration Results

RT: 6.64
Response: 2937
Amount: 0.527275



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

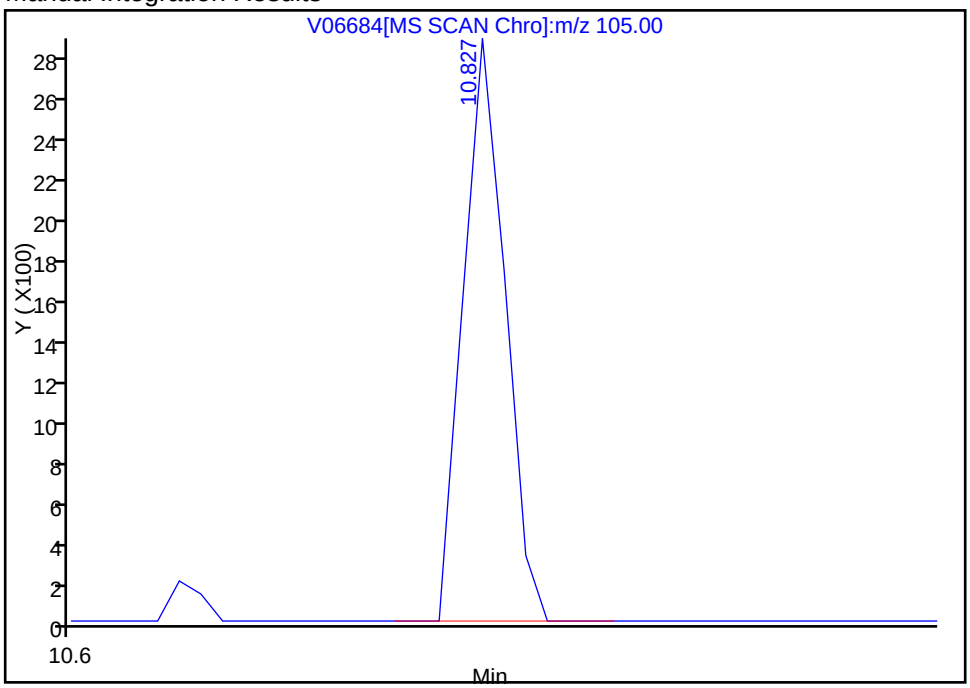
89 1,3,5-Trimethylbenzene, Number: 1, m/z: 105 Type: quant, RT: 10.83, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.83

Manual Integration Results

RT: 10.83
Response: 4512
Amount: 0.651437



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

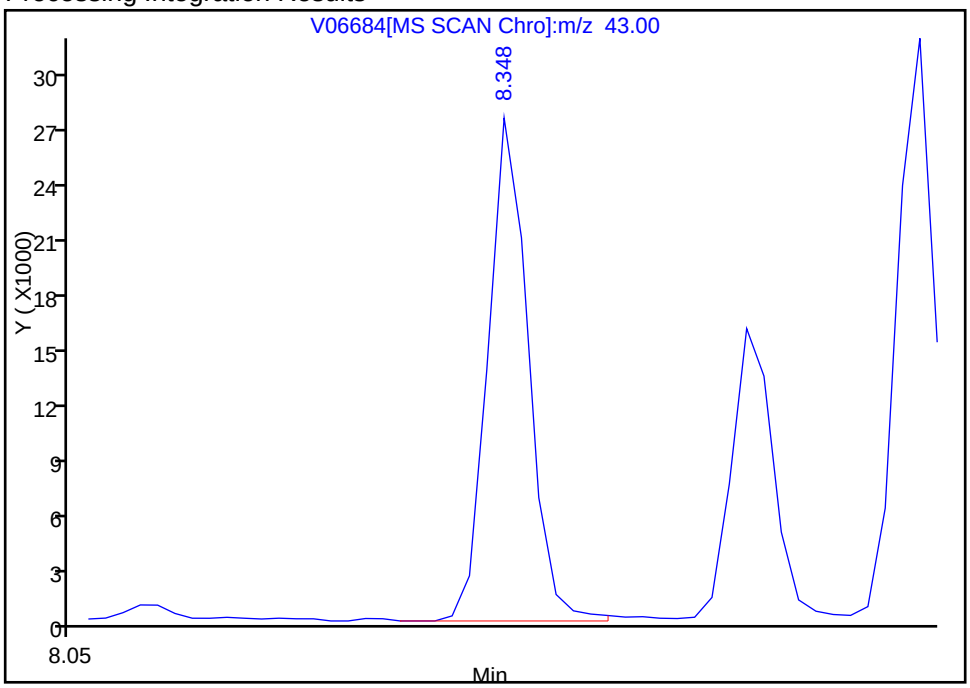
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

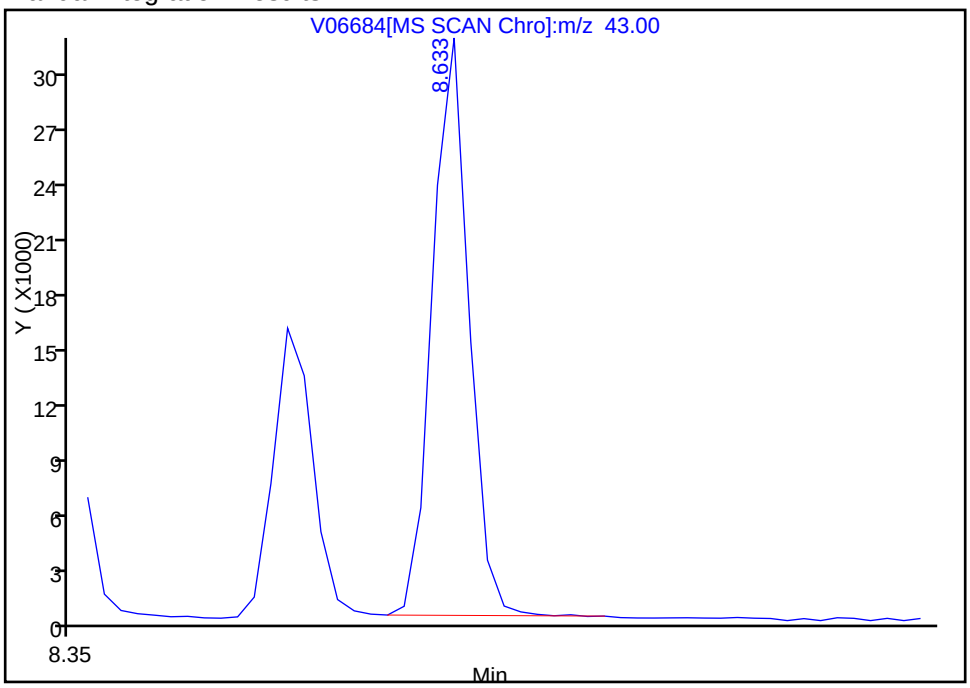
Processing Integration Results

RT: 8.35
Response: 52393
Amount: 8.760365



Manual Integration Results

RT: 8.63
Response: 56580
Amount: 8.922781



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

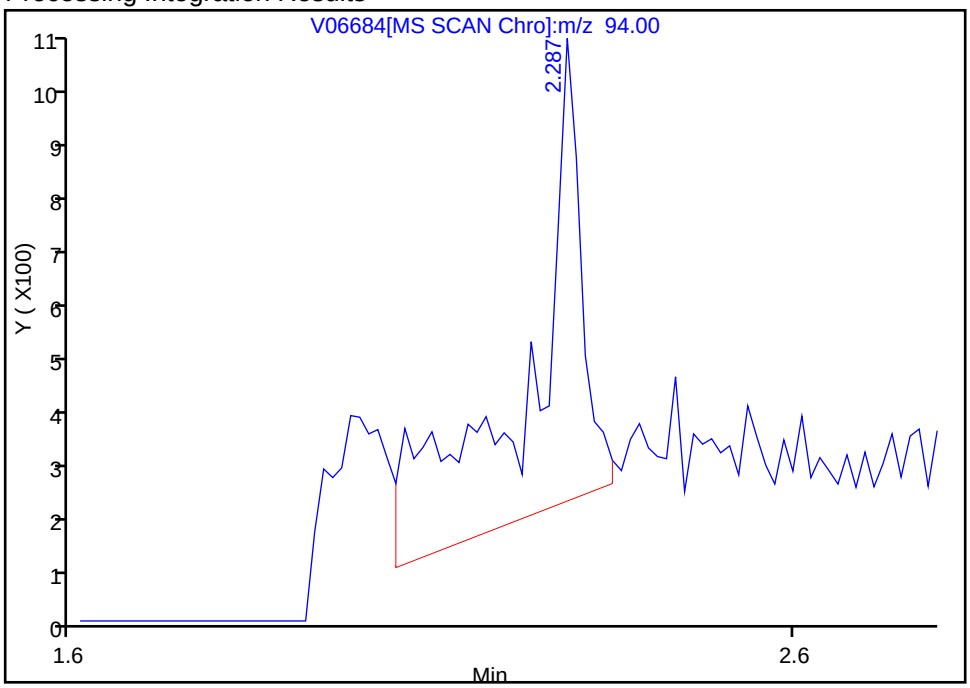
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

4 Bromomethane, Number: 1, m/z: 94 Type: quant, RT: 2.29, Det: MS SCAN

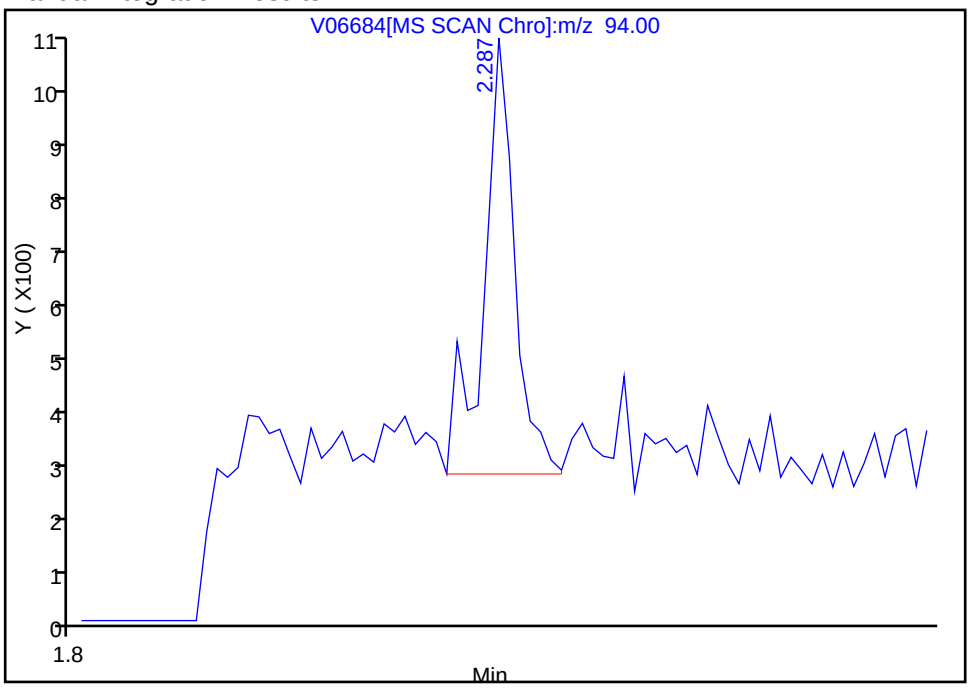
Processing Integration Results

RT: 2.29
Response: 4218
Amount: 0.842346



Manual Integration Results

RT: 2.29
Response: 1978
Amount: 0.344230



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

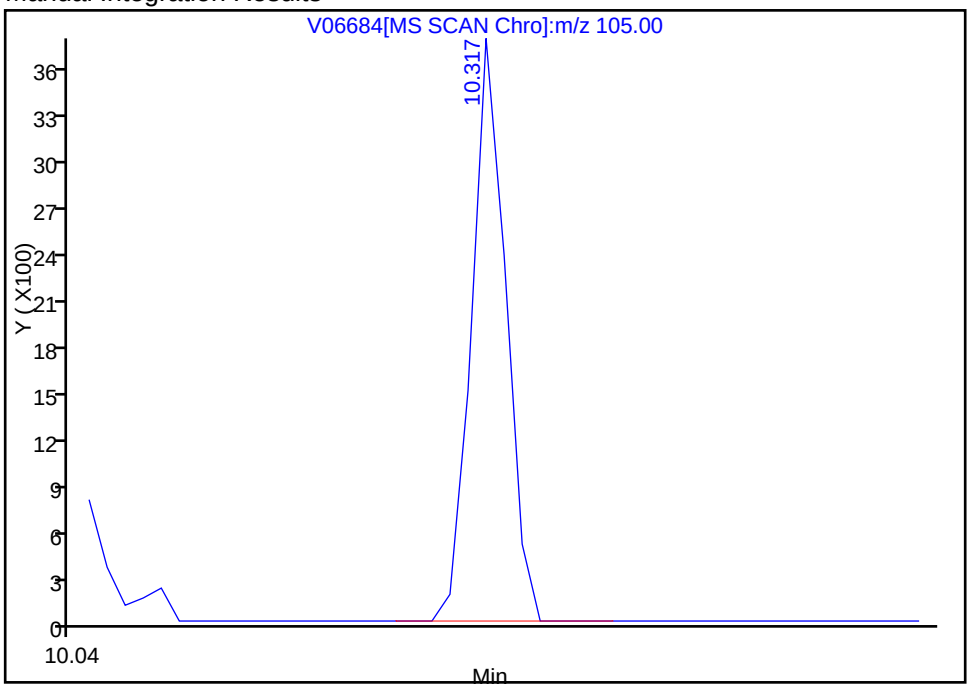
82 Isopropylbenzene, Number: 1, m/z: 105 Type: quant, RT: 10.32, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.32

Manual Integration Results

RT: 10.32
Response: 5904
Amount: 0.722298



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

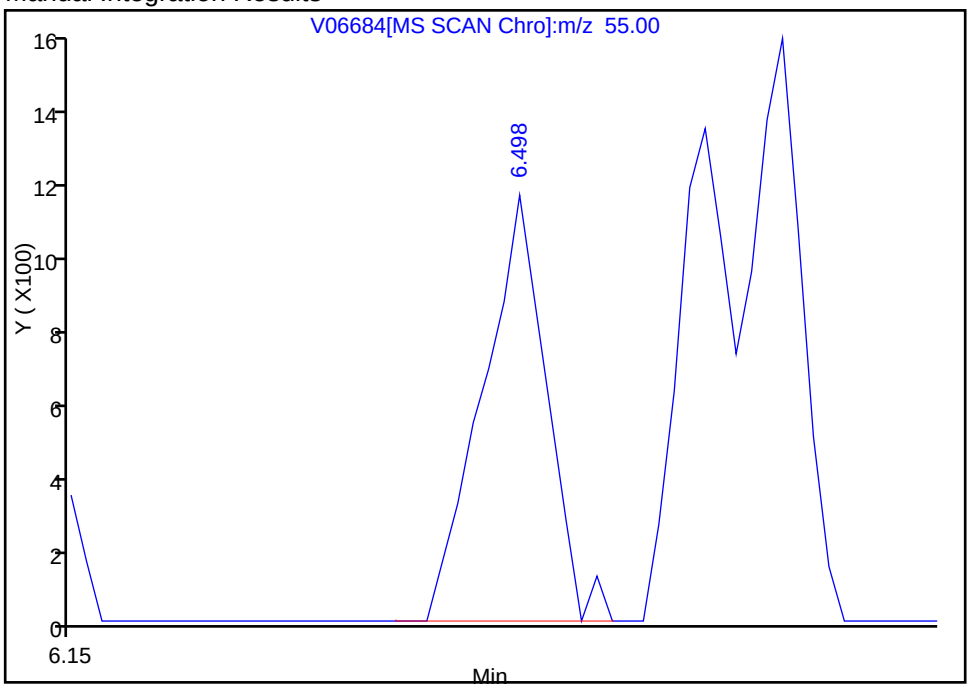
46 2,4,4-Trimethyl-1-pentene, Number: 1, m/z: 55 Type: quant, RT: 6.50, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 6.50

Manual Integration Results

RT: 6.50
Response: 3313
Amount: 0.498071



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

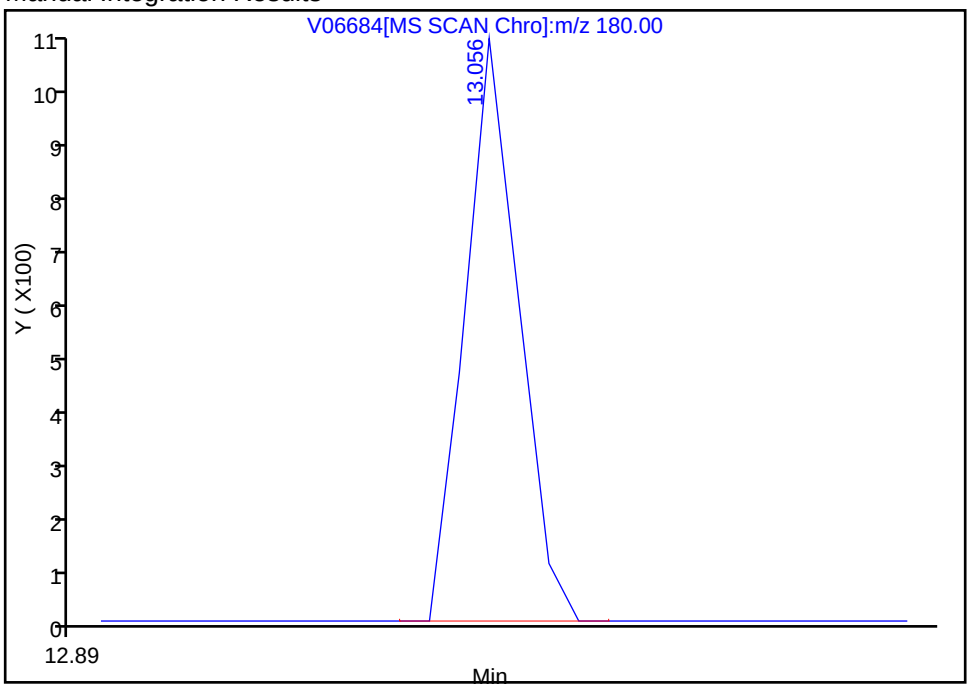
105 1,2,4-Trichlorobenzene, Number: 1, m/z: 180 Type: quant, RT: 13.06, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 13.06

Manual Integration Results

RT: 13.06
Response: 1549
Amount: 3.675665



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

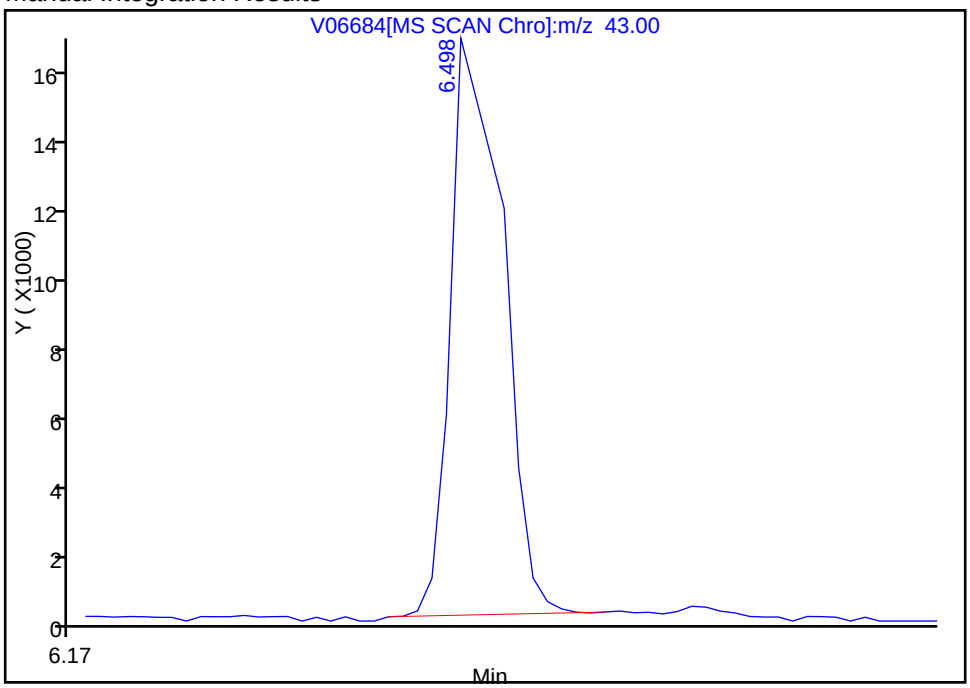
47 Isopropyl acetate, Number: 1, m/z: 43 Type: quant, RT: 6.50, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 6.50

Manual Integration Results

RT: 6.50
Response: 32223
Amount: 4.115951



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

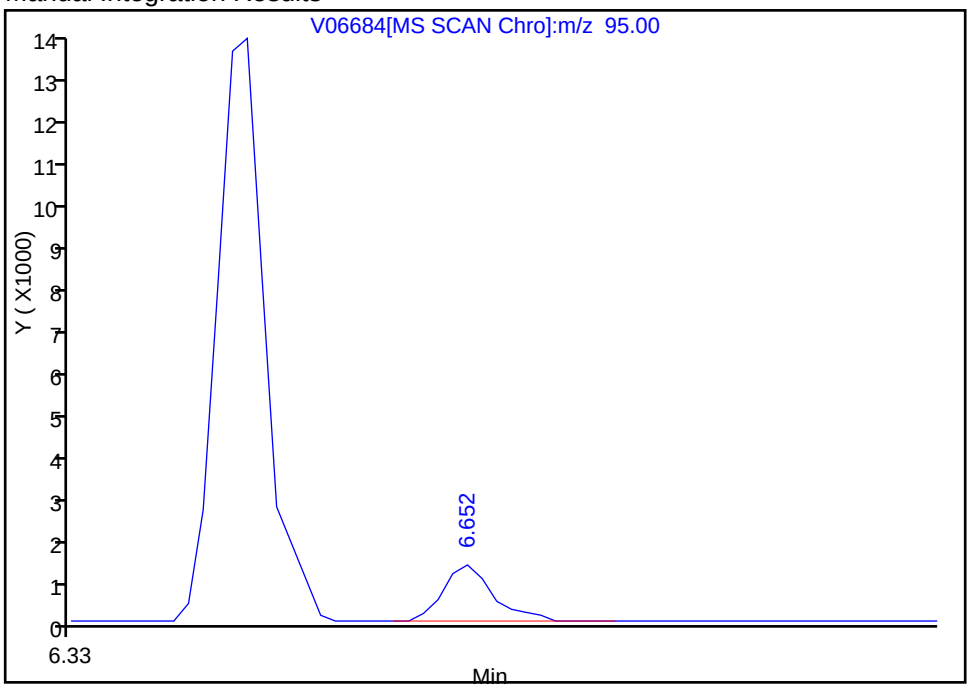
49 Trichloroethene, Number: 1, m/z: 95 Type: quant, RT: 6.65, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 6.65

Manual Integration Results

RT: 6.65
Response: 3587
Amount: 0.538815



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

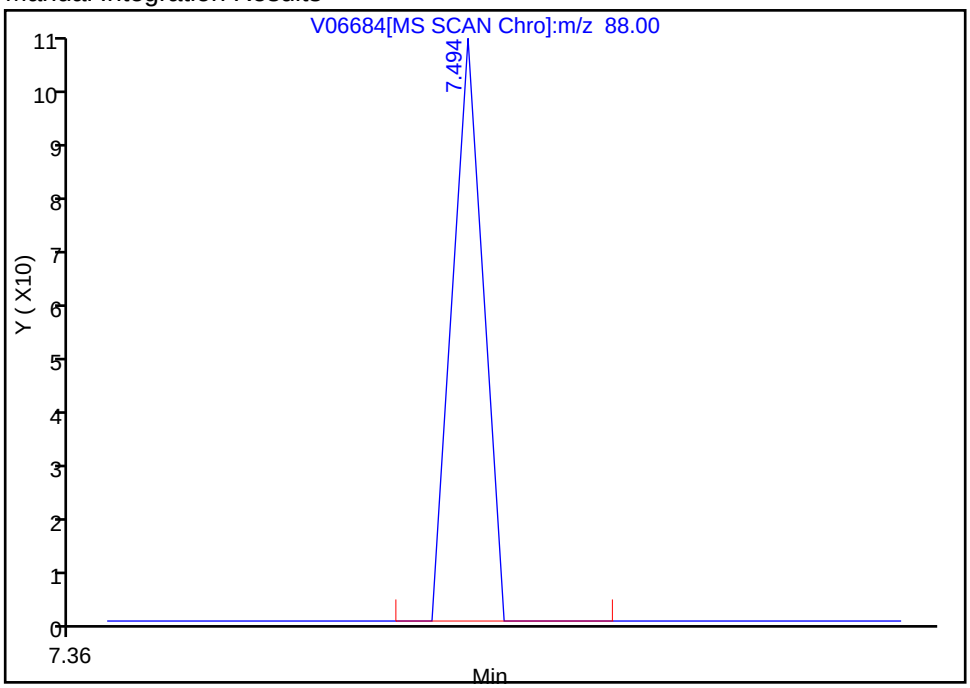
55 1,4-Dioxane, Number: 1, m/z: 88 Type: quant, RT: 7.49, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 7.49

Manual Integration Results

RT: 7.49
Response: 77
Amount: 6.895663



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

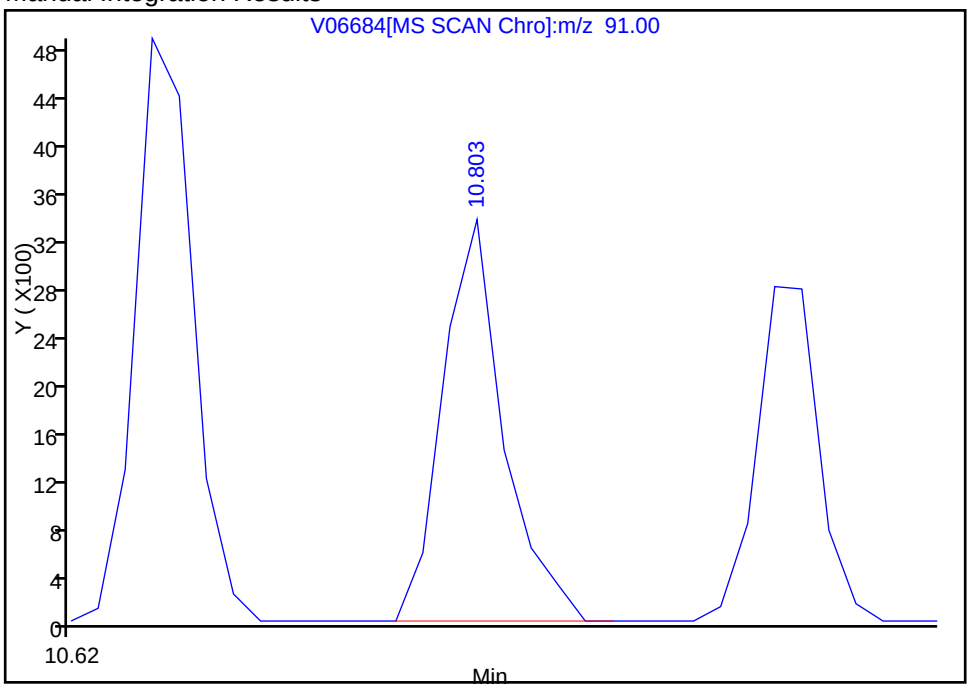
88 2-Chlorotoluene, Number: 1, m/z: 91 Type: quant, RT: 10.80, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.80

Manual Integration Results

RT: 10.80
Response: 6178
Amount: 0.532401



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06684.D		
Inj Date:	03-Sep-2009 17:57:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	5
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std05		
Sample Amount:	1.00	Operator:	CT

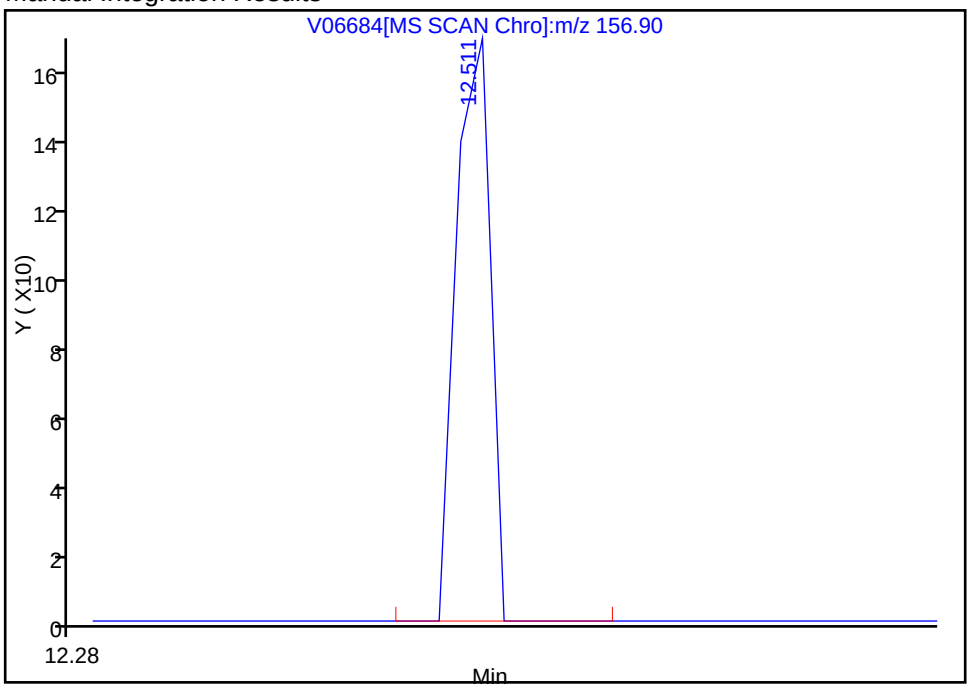
102 1,2-Dibromo-3-Chloropropane, Number: 1, m/z: 156.9 Type: quant, RT: 12.51, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 12.51

Manual Integration Results

RT: 12.51
Response: 213
Amount: 0.676665



Reviewer: testerc, 04-Sep-2009 11:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	03-Sep-2009 18:18:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std1		
Misc. Info.:	360-0001074-006		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	48601	Lims Sample ID:	6
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:59:14	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:59:14

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	9035	1.05	
2 Chloromethane	1	50	1.908	1.907	0.001	9820	1.06	
3 Vinyl chloride	1	62	1.991	1.990	0.001	8802	1.05	
4 Bromomethane	1	94	2.287	2.287	0.000	4004	0.7381	
5 Chloroethane	1	64	2.406	2.405	0.001	3632	1.04	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	10084	1.02	
7 Ethyl ether	1	59	2.821	2.821	0.000	7484	1.10	
8 Ethanol	1	45	2.951	2.951	0.000	2848	36.3	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	7474	1.17	
10 Carbon disulfide	1	76	3.070	3.070	0.000	26671	1.02	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	5053	1.09	
12 Acrolein	1	56	3.390	3.390	0.000	96050	50.9	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	29511	52.5	
14 Methylene Chloride	1	84	3.639	3.639	0.000	19856	1.23	
15 Acetone	1	43	3.699	3.698	0.001	46198	11.6	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	11600	1.01	
17 Methyl acetate	1	43	3.817	3.817	0.000	110554	11.6	
18 Hexane	1	57	3.889	3.888	0.001	11853	0.9010	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	16208	0.8788	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	7284	8.82	
21 Isopropyl ether	1	45	4.327	4.327	0.000	17814	0.8467	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	14919	1.06	
23 Acrylonitrile	1	53	4.541	4.541	0.000	3378	0.9750	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	14459	0.8839	
25 Vinyl acetate	1	43	4.743	4.742	0.001	150900	17.4	
S 26 1,2-Dichloroethene, Total	1	1					1.99	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	10073	0.9830	
28 2,2-Dichloropropane	1	77	5.170	5.181	-0.011	7394	1.08	
29 Cyclohexane	1	56	5.265	5.264	0.001	8276	1.01	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	4418	1.03	
31 Chloroform	1	83	5.348	5.347	0.001	14833	1.06	
32 Ethyl acetate	1	43	5.490	5.490	0.000	109908	9.67	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	8598	1.04	
34 Tetrahydrofuran	1	42	5.526	5.525	0.001	43045	9.85	
35 sec-Butyl Alcohol	1	59	5.526	5.525	0.001	6801	46.8	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	125669	21.5	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	10442	1.04	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	57901	10.9	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	8401	0.9001	
40 n-Heptane	1	43	5.941	5.952	-0.011	7636	0.8807	
41 Benzene	1	78	6.000	6.000	0.000	27462	0.9778	
42 Tert-amyl methyl ether	1	73	6.119	6.130	-0.011	12621	0.8617	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	23860	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	13503	1.08	
* 45 Fluorobenzene	1	96	6.463	6.462	0.001	437269	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	5398	1.28	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	78115	9.46	
48 Methylcyclohexane	1	83	6.641	6.640	0.000	6841	0.7443	
49 Trichloroethene	1	95	6.652	6.652	0.000	7349	1.08	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	10510	-0.391618	7
51 Dibromomethane	1	93	7.115	7.115	0.000	4170	1.07	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	6706	1.03	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	7668	1.01	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	3029	0.8924	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	353	14.1	M
56 n-Propyl acetate	1	43	7.601	7.601	0.000	90371	14.0	
S 57 1,3-Dichloropropene, Total	1	1					1.82	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	30238	8.95	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	7429	0.9249	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	329244	20.7	
61 Toluene	1	92	8.158	8.158	0.000	12388	1.00	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	119863	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	87145	10.3	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	3723	0.9701	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	7120	0.8944	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	141223	12.9	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	5392	1.07	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	5005	1.03	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	8470	1.01	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	4539	0.9438	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	89396	13.2	
72 2-Hexanone	1	43	9.273	9.273	0.000	59507	10.1	
S 73 Xylenes, Total	1	1					2.59	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	228513	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	13230	0.9749	
76 Ethylbenzene	1	91	9.558	9.558	0.000	20122	0.8599	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	4584	1.00	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	27062	1.71	
79 o-Xylene	1	91	10.056	10.056	0.000	12217	0.8745	
80 Styrene	1	104	10.103	10.103	0.000	8230	0.9774	
81 Bromoform	1	173	10.127	10.127	0.000	2905	1.06	

Report Date: 04-Sep-2009 10:59:14 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	12279	1.33	M
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	95383	18.0	
85 Bromobenzene	1	77	10.649	10.649	0.000	10526	0.9151	M
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	18420	0.8453	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	7886	1.14	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	13375	0.7339	M
89 1,3,5-Trimethylbenzene	1	105	10.827	10.827	0.000	10623	1.04	M
90 1,2,3-Trichloropropane	1	110	10.839	10.838	0.001	1753	0.9788	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	1142	1.00	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	11120	0.8359	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	8125	0.8221	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	9243	0.9182	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	12103	0.7784	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	8647	0.8010	
97 1,3-Dichlorobenzene	1	146	11.432	11.431	0.001	7190	0.8365	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	82505	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	7725	0.9889	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	10092	0.8900	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.001	7094	1.02	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.511	0.000	673	0.9043	M
103 1,3,5-Trichlorobenzene	1	180	12.523	12.522	0.001	4103	0.9327	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	2093	0.9381	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	3242	4.76	M
106 Naphthalene	1	128	13.341	13.341	0.000	6889	4.54	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	2934	0.8830	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:59:14 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D

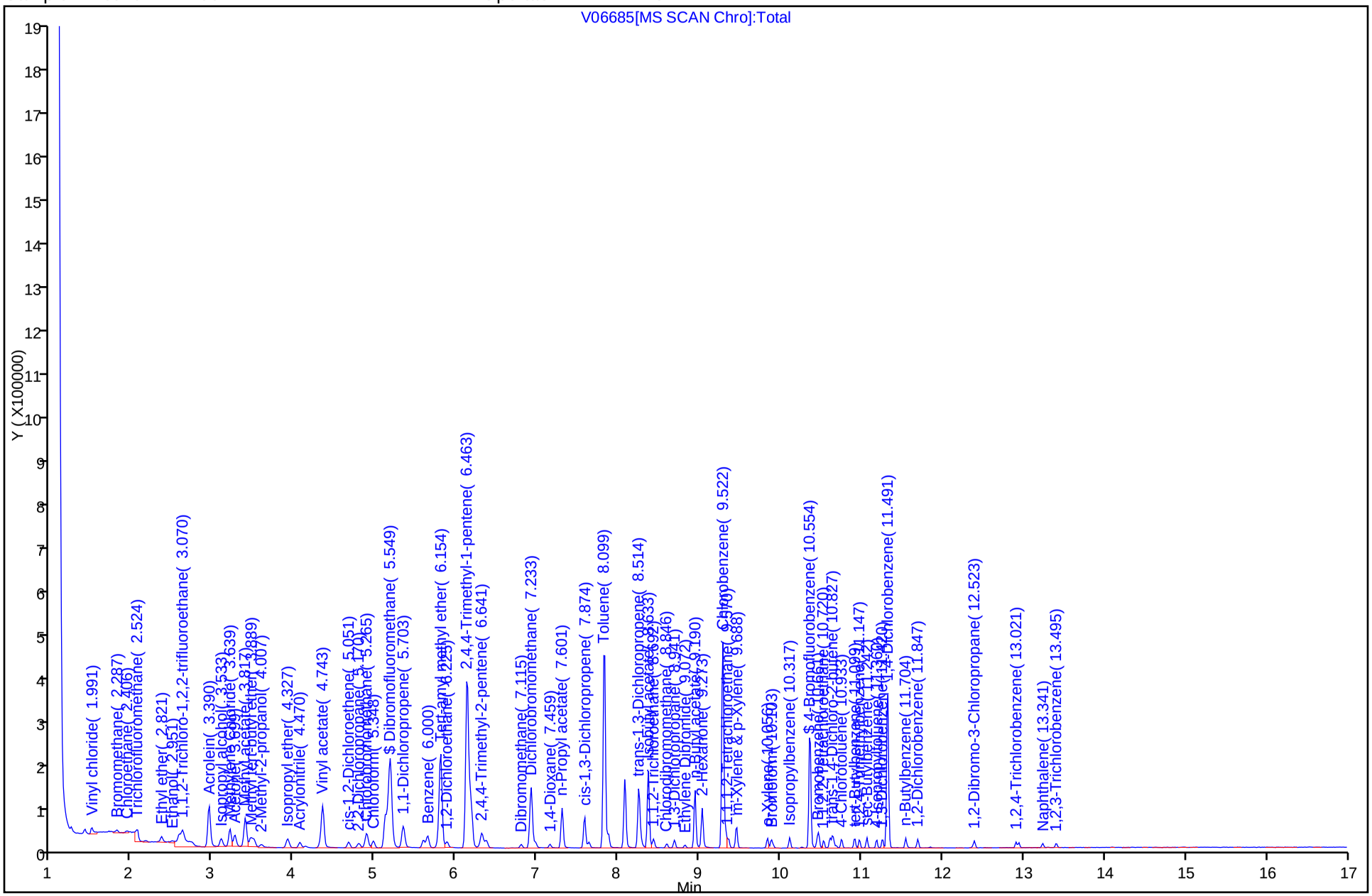
Inj Date: 03-Sep-2009 18:18:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 6

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std1

Sample Amount: 1.00 Operator: CT



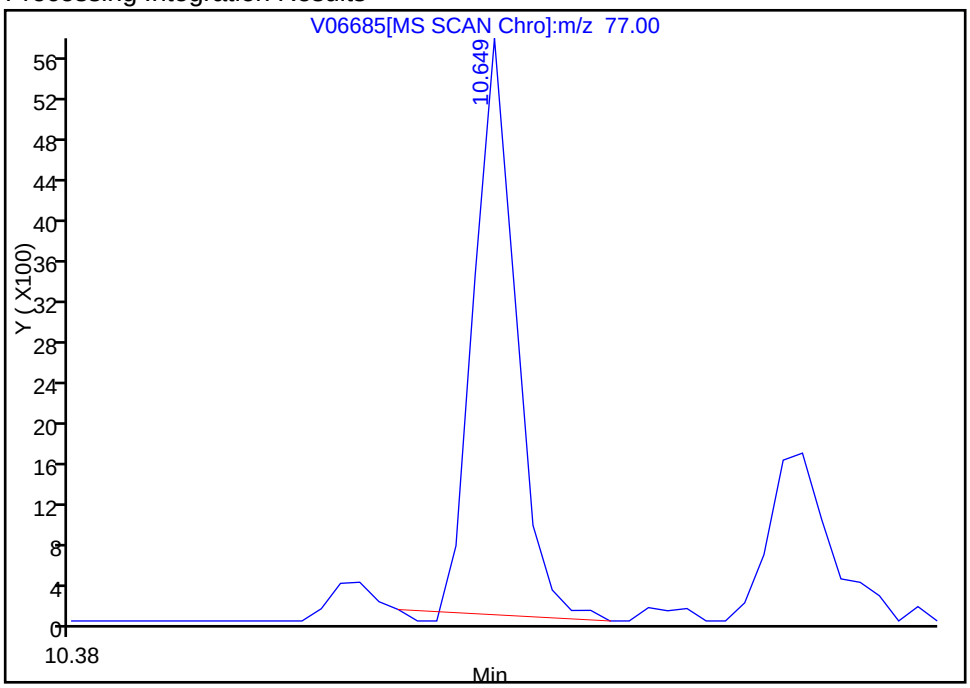
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

85 Bromobenzene, Number: 1, m/z: 77 Type: quant, RT: 10.65, Det: MS SCAN

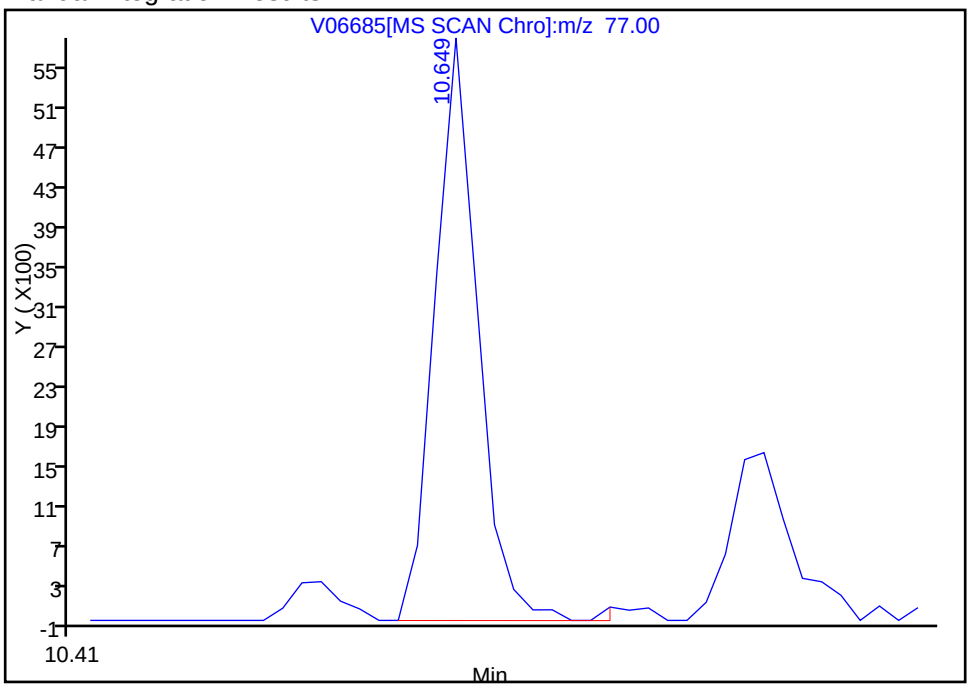
Processing Integration Results

RT: 10.65
Response: 10021
Amount: 0.876710



Manual Integration Results

RT: 10.65
Response: 10526
Amount: 0.915115



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

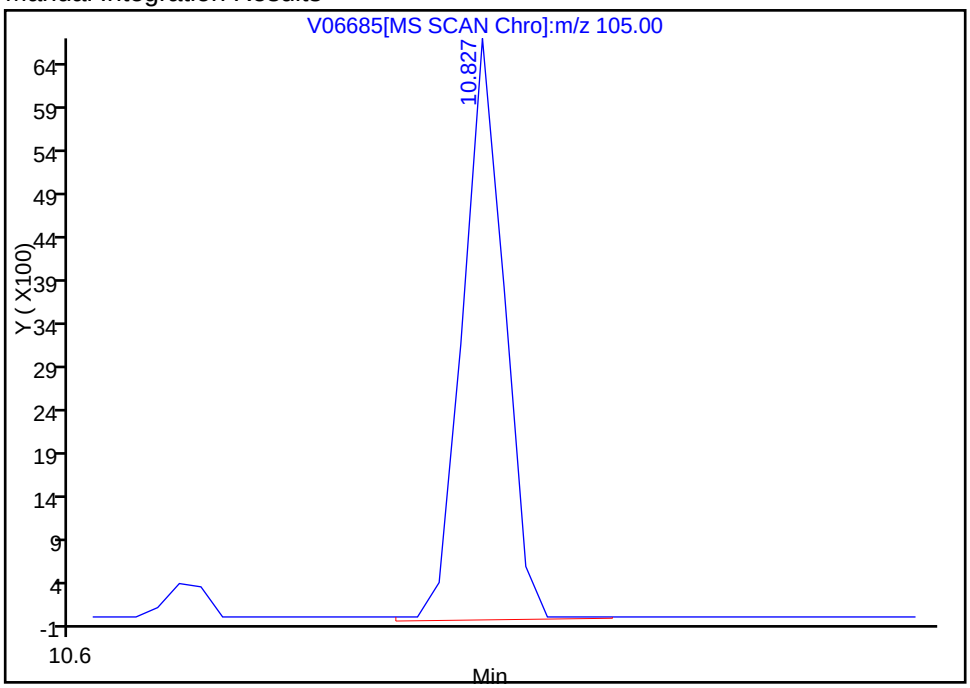
89 1,3,5-Trimethylbenzene, Number: 1, m/z: 105 Type: quant, RT: 10.83, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.83

Manual Integration Results

RT: 10.83
Response: 10623
Amount: 1.037357



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

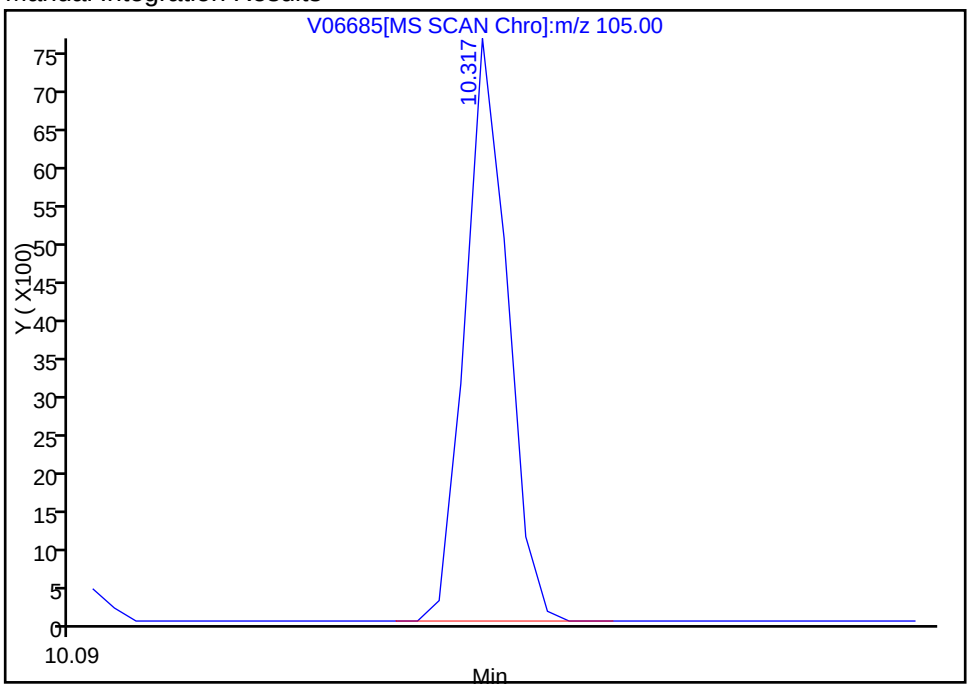
82 Isopropylbenzene, Number: 1, m/z: 105 Type: quant, RT: 10.32, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.32

Manual Integration Results

RT: 10.32
Response: 12279
Amount: 1.332956



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

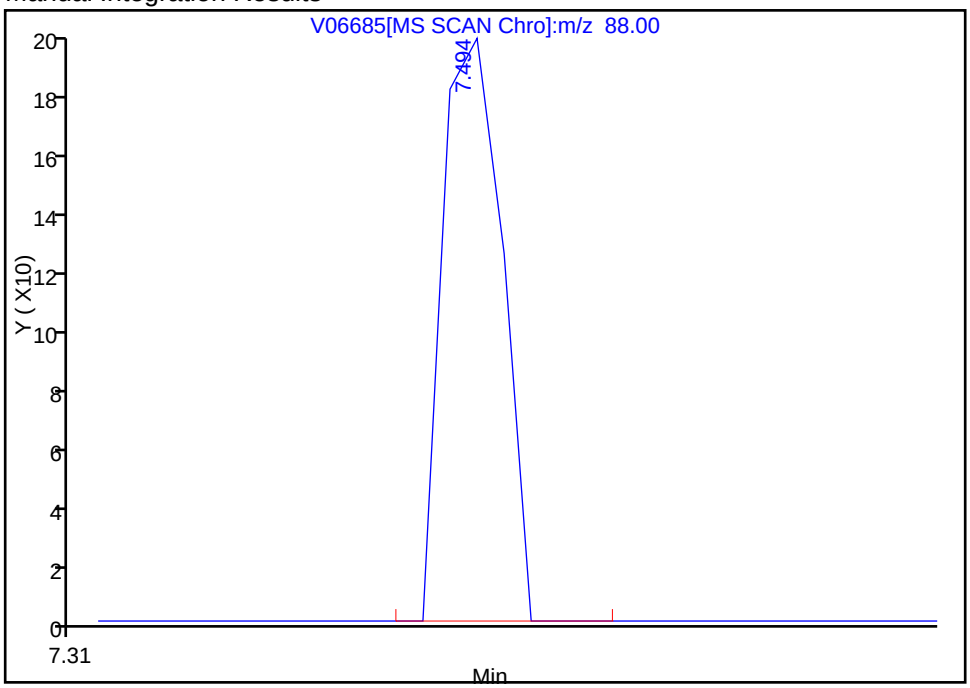
55 1,4-Dioxane, Number: 1, m/z: 88 Type: quant, RT: 7.49, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 7.49

Manual Integration Results

RT: 7.49
Response: 353
Amount: 14.057431



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

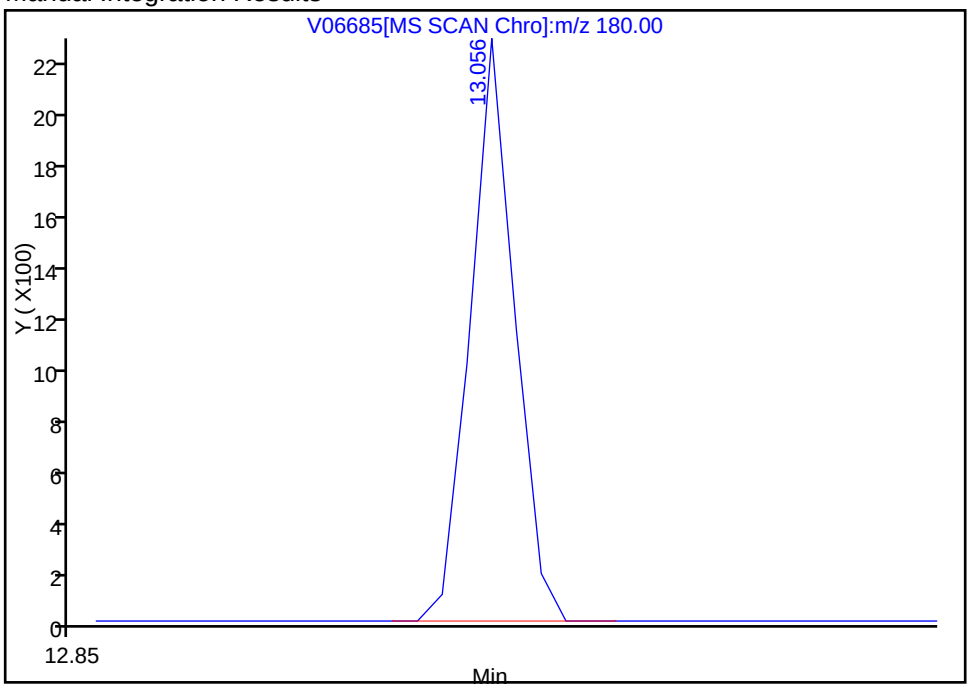
105 1,2,4-Trichlorobenzene, Number: 1, m/z: 180 Type: quant, RT: 13.06, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 13.06

Manual Integration Results

RT: 13.06
Response: 3242
Amount: 4.761043



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

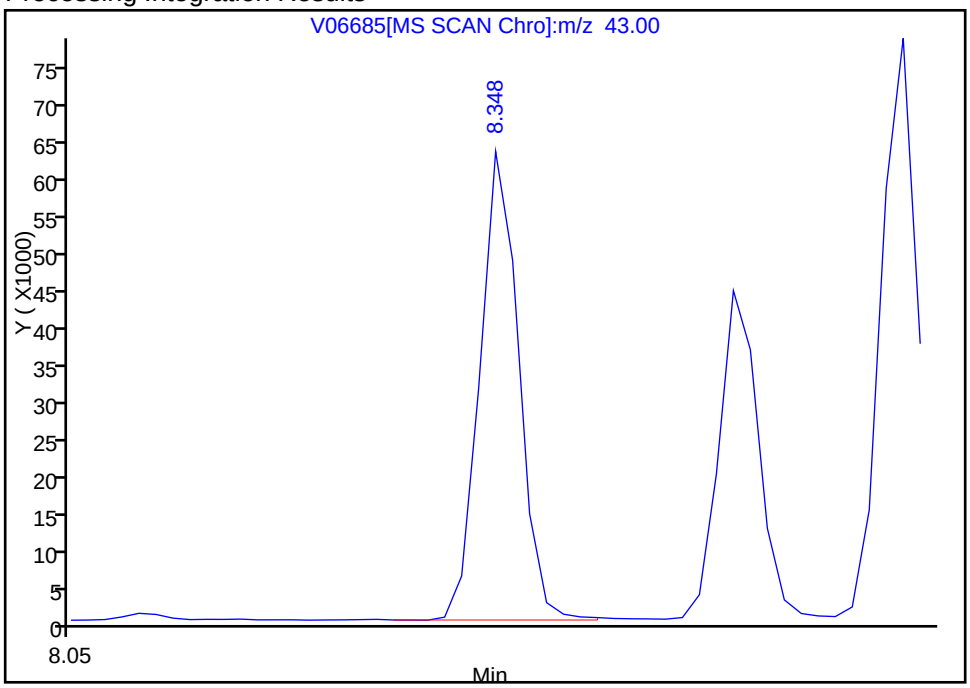
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

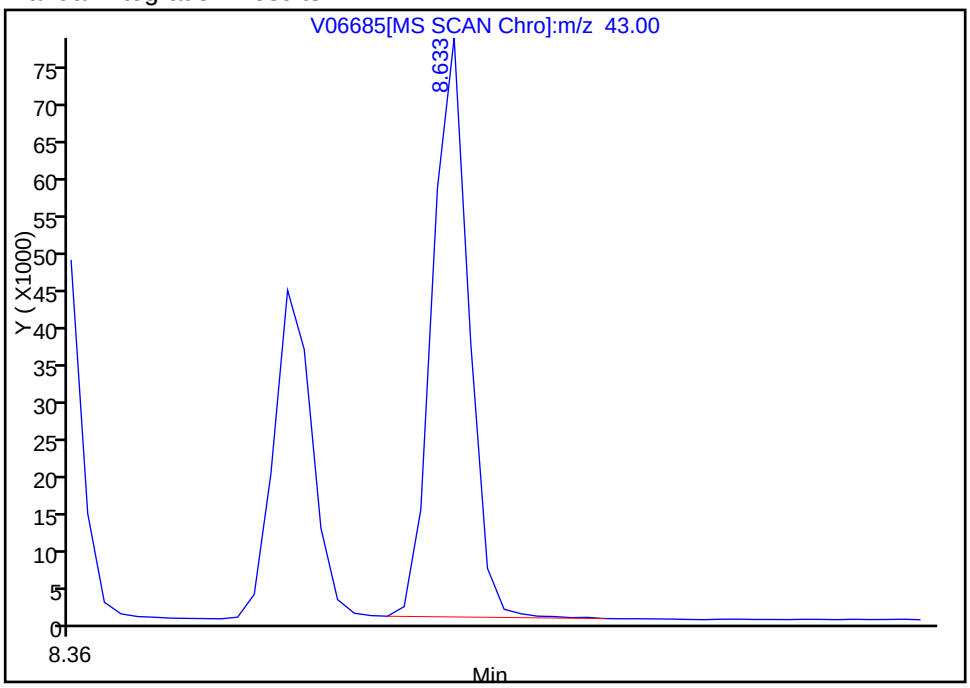
Processing Integration Results

RT: 8.35
Response: 119707
Amount: 12.120524



Manual Integration Results

RT: 8.63
Response: 141223
Amount: 12.939009



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Wrong peak

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

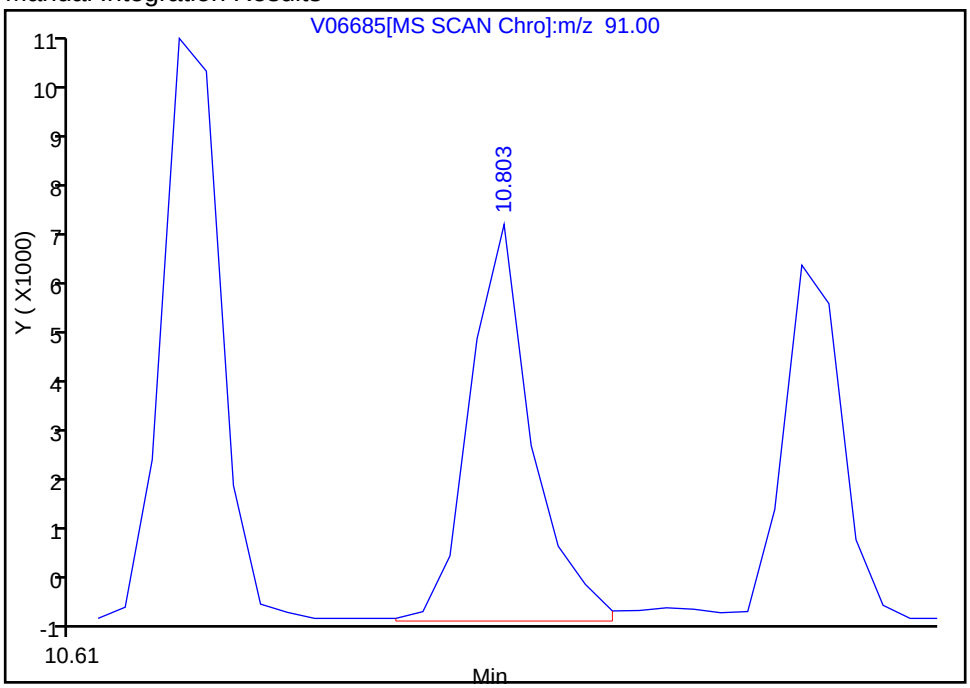
88 2-Chlorotoluene, Number: 1, m/z: 91 Type: quant, RT: 10.80, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 10.80

Manual Integration Results

RT: 10.80
Response: 13375
Amount: 0.733877



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

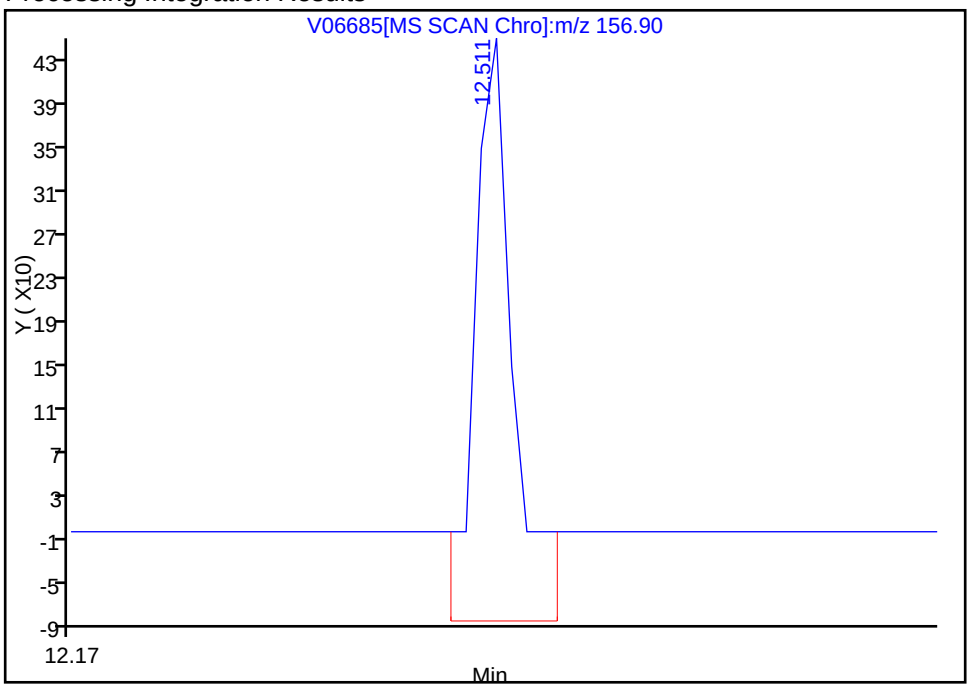
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06685.D		
Inj Date:	03-Sep-2009 18:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std1		
Sample Amount:	1.00	Operator:	CT

102 1,2-Dibromo-3-Chloropropane, Number: 1, m/z: 156.9 Type: quant, RT: 12.51, Det: MS SCAN

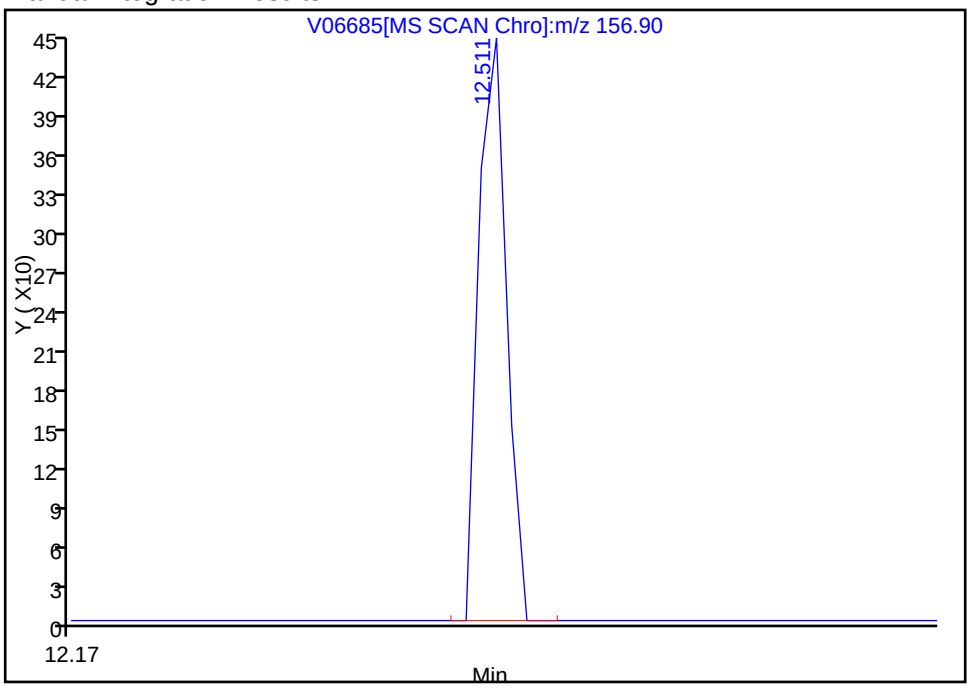
Processing Integration Results

RT: 12.51
Response: 1134
Amount: 4.977489



Manual Integration Results

RT: 12.51
Response: 673
Amount: 0.904326



Reviewer: testerc, 04-Sep-2009 10:59:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06686.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	03-Sep-2009 18:38:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std5		
Misc. Info.:	360-0001074-007		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48601	Lims Sample ID:	7
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:55:40	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:55:40

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	45630	5.04	
2 Chloromethane	1	50	1.907	1.907	0.000	46886	4.79	
3 Vinyl chloride	1	62	1.990	1.990	0.000	43195	4.90	
4 Bromomethane	1	94	2.287	2.287	0.000	17902	4.76	
5 Chloroethane	1	64	2.406	2.405	0.001	17546	4.77	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	52321	5.01	
7 Ethyl ether	1	59	2.821	2.821	0.000	36069	5.05	
8 Ethanol	1	45	2.951	2.951	0.000	21633	297.7	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	34813	5.15	
10 Carbon disulfide	1	76	3.070	3.070	0.000	128886	5.31	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	25004	5.11	
12 Acrolein	1	56	3.390	3.390	0.000	444707	229.1	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	134190	226.3	
14 Methylene Chloride	1	84	3.639	3.639	0.000	50856	5.34	
15 Acetone	1	43	3.699	3.698	0.001	164167	49.3	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	61198	5.04	
17 Methyl acetate	1	43	3.817	3.817	0.000	427361	42.5	
18 Hexane	1	57	3.888	3.888	0.000	66638	4.05	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	93511	4.81	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	42627	50.2	
21 Isopropyl ether	1	45	4.327	4.327	0.000	94737	4.27	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	75578	5.11	
23 Acrylonitrile	1	53	4.541	4.541	0.000	18367	5.03	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	87077	4.18	
25 Vinyl acetate	1	43	4.743	4.742	0.000	813610	43.0	
S 26 1,2-Dichloroethene, Total	1	1					10.1	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	54566	5.05	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	35483	4.92	
29 Cyclohexane	1	56	5.264	5.264	0.000	45548	3.78	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	22857	5.06	
31 Chloroform	1	83	5.347	5.347	0.000	74938	5.09	
32 Ethyl acetate	1	43	5.490	5.490	0.000	552157	46.0	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	44884	5.15	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	228992	49.7	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	41509	239.9	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	129535	21.0	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	55329	5.22	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	257480	45.9	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	49916	5.07	
40 n-Heptane	1	43	5.952	5.952	0.000	45361	3.59	
41 Benzene	1	78	6.000	6.000	0.000	150346	5.07	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	69528	4.50	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	24564	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	66875	5.08	
* 45 Fluorobenzene	1	96	6.463	6.462	0.000	461241	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	22377	5.03	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	383216	44.0	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	40394	4.17	
49 Trichloroethene	1	95	6.652	6.652	0.000	37941	5.31	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	69847	3.73	
51 Dibromomethane	1	93	7.115	7.115	0.000	21233	5.15	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	35143	5.11	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	41048	5.13	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	18070	3.89	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	2149	50.1	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	503542	41.6	
S 57 1,3-Dichloropropene, Total	1	1					9.86	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	177205	39.9	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	42494	5.02	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	352412	21.0	
61 Toluene	1	92	8.158	8.158	0.000	63021	4.82	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	647873	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	426157	47.9	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	20164	4.98	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	40669	4.84	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	800634	43.0	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	27430	5.16	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	25159	4.92	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	43184	4.89	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	24565	4.84	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	543272	41.1	
72 2-Hexanone	1	43	9.273	9.273	0.000	314290	46.4	
S 73 Xylenes, Total	1	1					11.6	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	240180	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	68897	4.83	
76 Ethylbenzene	1	91	9.558	9.558	0.000	111500	4.53	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	22766	4.71	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	172296	8.06	
79 o-Xylene	1	91	10.056	10.056	0.000	71215	3.59	
80 Styrene	1	104	10.103	10.103	0.000	52285	3.67	
81 Bromoform	1	173	10.127	10.127	0.000	15281	4.44	

Report Date: 04-Sep-2009 10:55:41 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06686.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	79922	5.06	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	112058	20.1	
85 Bromobenzene	1	77	10.649	10.649	0.000	56008	4.57	
86 N-Propylbenzene	1	91	10.672	10.672	0.000	115557	3.94	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	40368	4.68	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	82599	4.13	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.826	0.001	72498	3.72	
90 1,2,3-Trichloropropane	1	110	10.838	10.838	0.000	9383	4.98	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	7629	3.91	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	75180	4.22	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	53866	3.68	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	68898	3.78	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	91168	3.94	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	62555	3.58	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	46388	5.13	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	103233	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	47289	4.84	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	67582	3.64	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.000	40179	4.62	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.510	0.001	4260	4.50	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	21711	3.94	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	11853	4.25	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	18094	6.13	M
106 Naphthalene	1	128	13.341	13.341	0.000	40030	6.39	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	17012	4.09	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:55:41 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06686.D

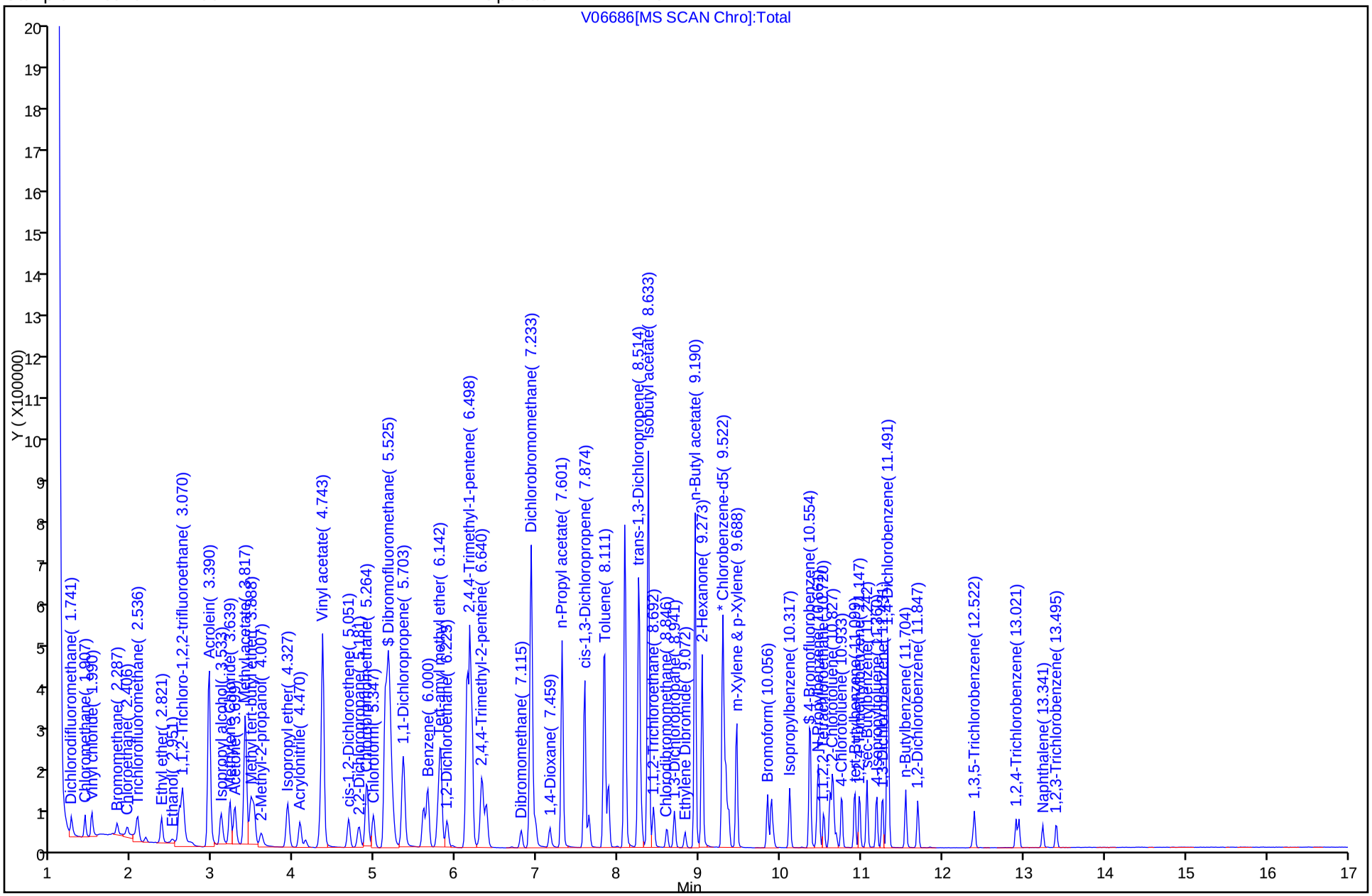
Inj Date: 03-Sep-2009 18:38:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 7

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std5

Sample Amount: 1.00 Operator: CT



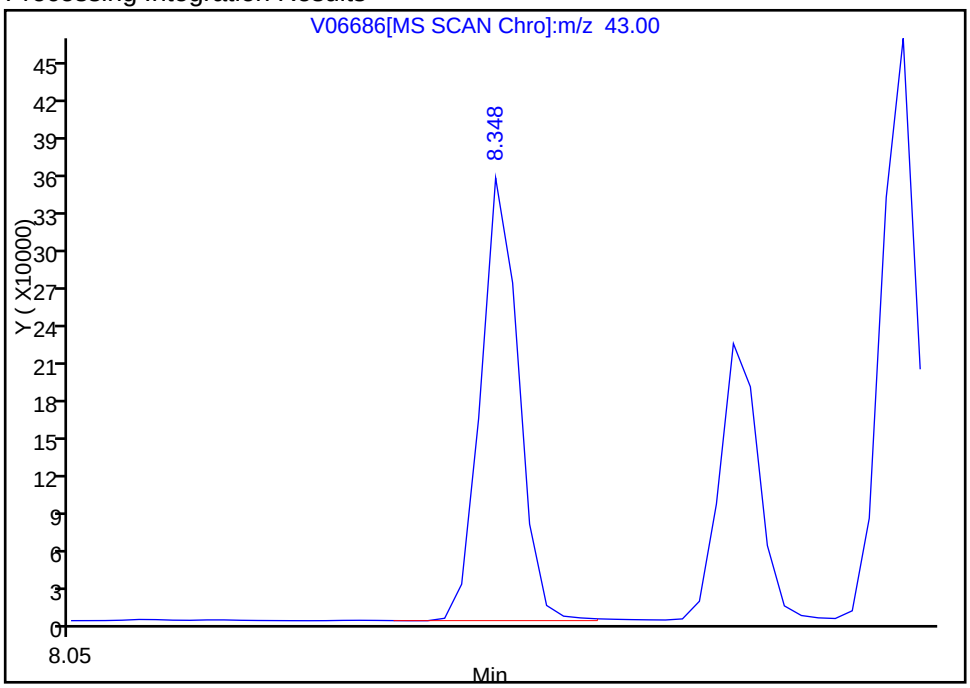
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06686.D		
Inj Date:	03-Sep-2009 18:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	7
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std5		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

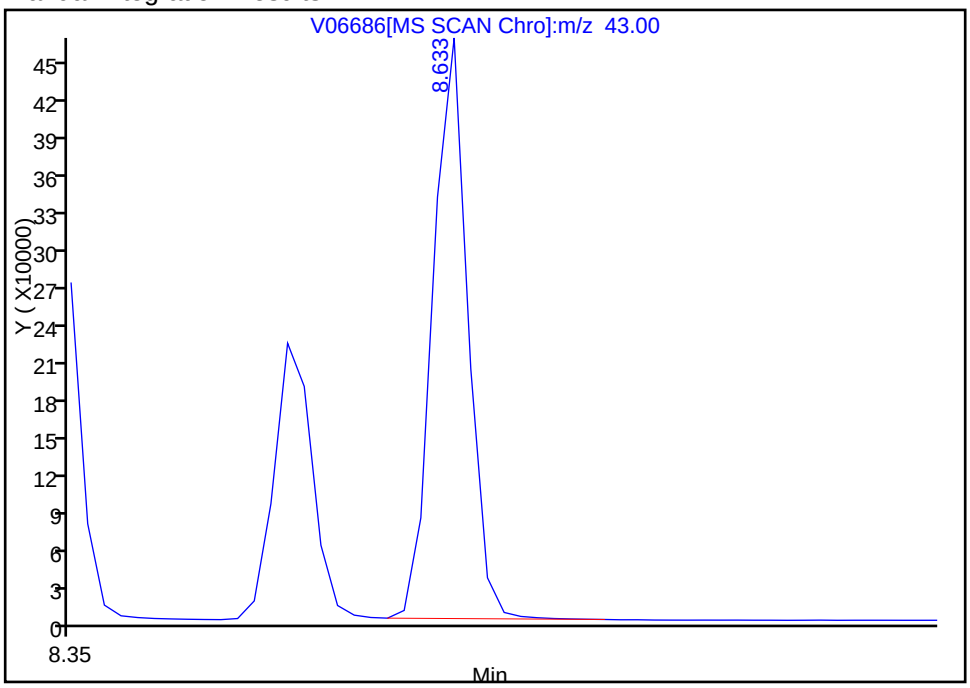
Processing Integration Results

RT: 8.35
Response: 647244
Amount: 37.157197



Manual Integration Results

RT: 8.63
Response: 800634
Amount: 43.032165



Reviewer: testerc, 04-Sep-2009 10:55:40
Audit Action: Manually Integrated
Audit Reason: Wrong peak

Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06686.D		
Inj Date:	03-Sep-2009 18:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	7
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std5		
Sample Amount:	1.00	Operator:	CT

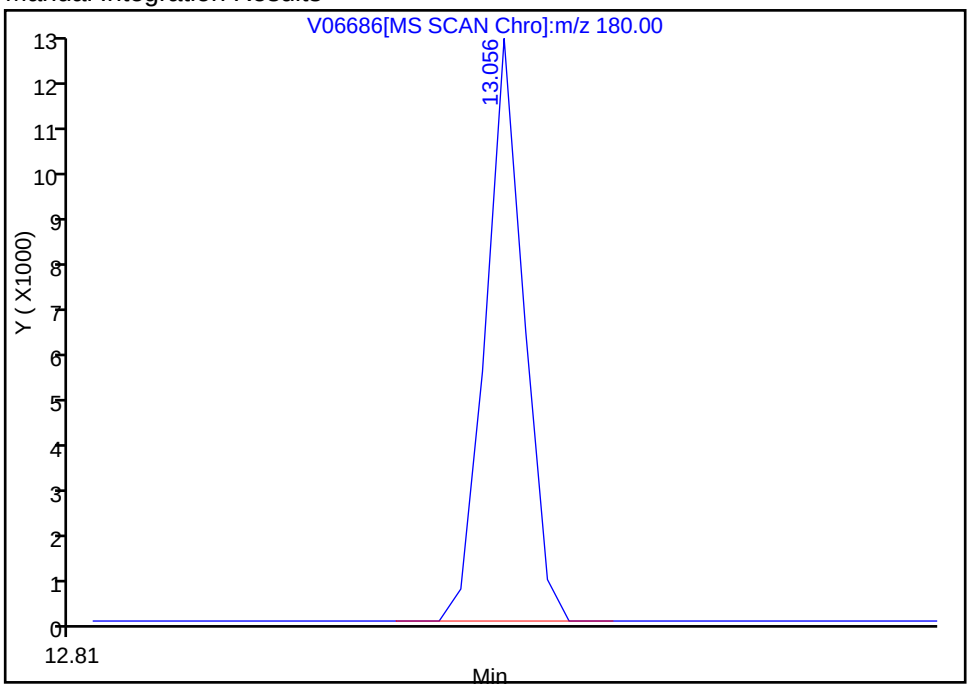
105 1,2,4-Trichlorobenzene, Number: 1, m/z: 180 Type: quant, RT: 13.06, Det: MS SCAN

Processing Integration Results

Not Detected
Expected RT: 13.06

Manual Integration Results

RT: 13.06
Response: 18094
Amount: 6.126961



Reviewer: testerc, 04-Sep-2009 10:55:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06687.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	03-Sep-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std10		
Misc. Info.:	360-0001074-008		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48601	Lims Sample ID:	8
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:53:44	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:53:44

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	99131	10.4	
2 Chloromethane	1	50	1.907	1.907	0.000	100605	9.75	
3 Vinyl chloride	1	62	1.990	1.990	0.000	95794	10.3	
4 Bromomethane	1	94	2.287	2.287	0.000	38686	10.3	
5 Chloroethane	1	64	2.418	2.405	0.013	39464	10.2	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	116597	10.6	
7 Ethyl ether	1	59	2.821	2.821	0.000	74099	9.83	
8 Ethanol	1	45	2.951	2.951	0.000	44223	582.4	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	71411	10.0	
10 Carbon disulfide	1	76	3.070	3.070	0.000	262915	10.4	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	51818	10.0	
12 Acrolein	1	56	3.390	3.390	0.000	1139727	585.3	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	302961	484.4	
14 Methylene Chloride	1	84	3.639	3.639	0.000	93701	10.6	
15 Acetone	1	43	3.699	3.698	0.001	392171	117.1	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	133368	10.4	
17 Methyl acetate	1	43	3.817	3.817	0.000	1170410	110.4	
18 Hexane	1	57	3.888	3.888	0.000	168497	9.46	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	211596	10.3	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	88478	103.8	
21 Isopropyl ether	1	45	4.327	4.327	0.000	219257	9.37	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	158768	10.2	
23 Acrylonitrile	1	53	4.541	4.541	0.000	37785	9.80	
24 Tert-butyl ethyl ether	1	59	4.731	4.719	0.012	205966	9.13	
25 Vinyl acetate	1	43	4.743	4.742	0.001	2288564	97.3	
S 26 1,2-Dichloroethene, Total	1	1					20.7	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	116944	10.3	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	76267	10.0	
29 Cyclohexane	1	56	5.276	5.264	0.012	117947	8.76	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	48376	10.2	
31 Chloroform	1	83	5.347	5.347	0.000	158329	10.2	
32 Ethyl acetate	1	43	5.490	5.490	0.000	1273417	100.7	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	94399	10.3	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	483549	99.5	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	90276	487.8	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	131670	20.2	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	115929	10.4	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	623722	105.4	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	111015	10.7	
40 n-Heptane	1	43	5.952	5.952	0.000	117495	8.39	
41 Benzene	1	78	6.000	6.000	0.000	324612	10.4	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	162192	9.95	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	24640	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	138682	9.98	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	486532	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	44770	9.54	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	874542	95.2	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	102806	10.1	
49 Trichloroethene	1	95	6.652	6.652	0.000	77725	10.3	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	235614	14.5	
51 Dibromomethane	1	93	7.115	7.115	0.000	43672	10.0	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	73034	10.1	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	83786	9.93	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	38270	7.57	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	5741	103.8	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	1203837	85.2	
S 57 1,3-Dichloropropene, Total	1	1					19.8	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	508066	104.8	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	90530	10.1	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	353365	19.9	
61 Toluene	1	92	8.158	8.158	0.000	134970	9.78	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	1577217	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	1103653	117.6	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	43730	10.2	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	85272	9.63	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	1888057	90.7	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	54202	9.66	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	51898	9.62	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	90126	9.68	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	51876	9.69	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	1338300	87.1	
72 2-Hexanone	1	43	9.273	9.273	0.000	810058	111.8	
S 73 Xylenes, Total	1	1					26.6	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	241143	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	146900	10.3	
76 Ethylbenzene	1	91	9.558	9.558	0.000	249862	10.1	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	48415	9.99	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	410536	18.5	
79 o-Xylene	1	91	10.056	10.056	0.000	168489	8.07	
80 Styrene	1	104	10.103	10.103	0.000	134677	8.72	
81 Bromoform	1	173	10.127	10.127	0.000	33148	9.07	

Report Date: 04-Sep-2009 10:53:44 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06687.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	201288	9.88	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	119190	21.3	
85 Bromobenzene	1	77	10.649	10.649	0.000	124408	10.1	
86 N-Propylbenzene	1	91	10.672	10.672	0.000	279893	9.20	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	82414	9.00	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	194045	9.66	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.826	0.001	186407	9.52	
90 1,2,3-Trichloropropane	1	110	10.839	10.838	0.000	19658	10.4	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	17647	8.40	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	178507	9.68	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	133505	8.67	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	184272	9.32	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	230657	9.51	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	160239	8.64	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	101853	11.2	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	109650	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	102518	9.88	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	166713	8.11	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.001	89618	9.70	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.510	0.001	8753	8.71	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	53484	9.15	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	26596	8.97	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	41625	10.5	
106 Naphthalene	1	128	13.341	13.341	0.000	94361	9.25	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	39307	8.90	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:53:44 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06687.D

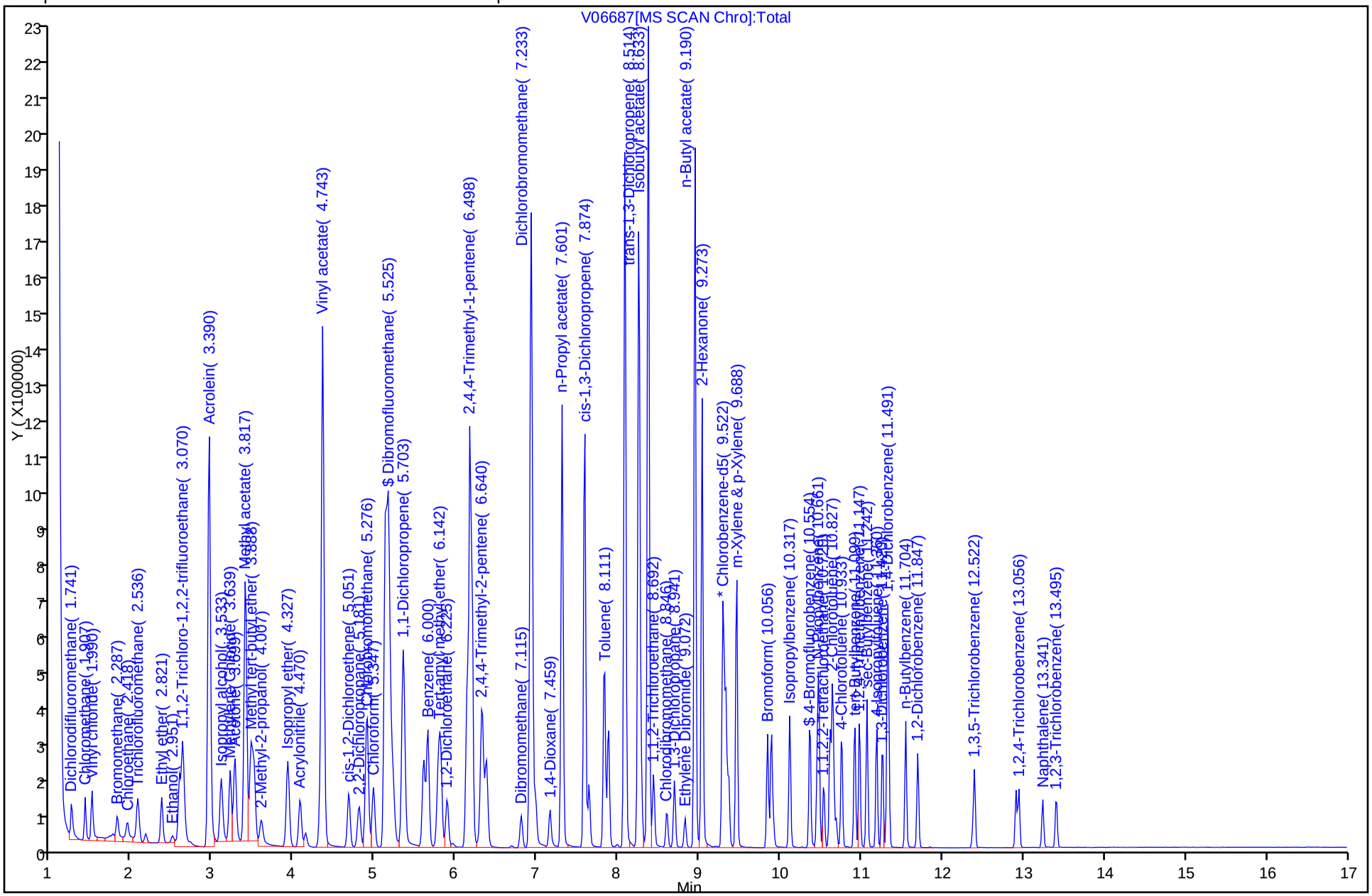
Inj Date: 03-Sep-2009 18:59:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 8

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std10

Sample Amount: 1.00 Operator: CT



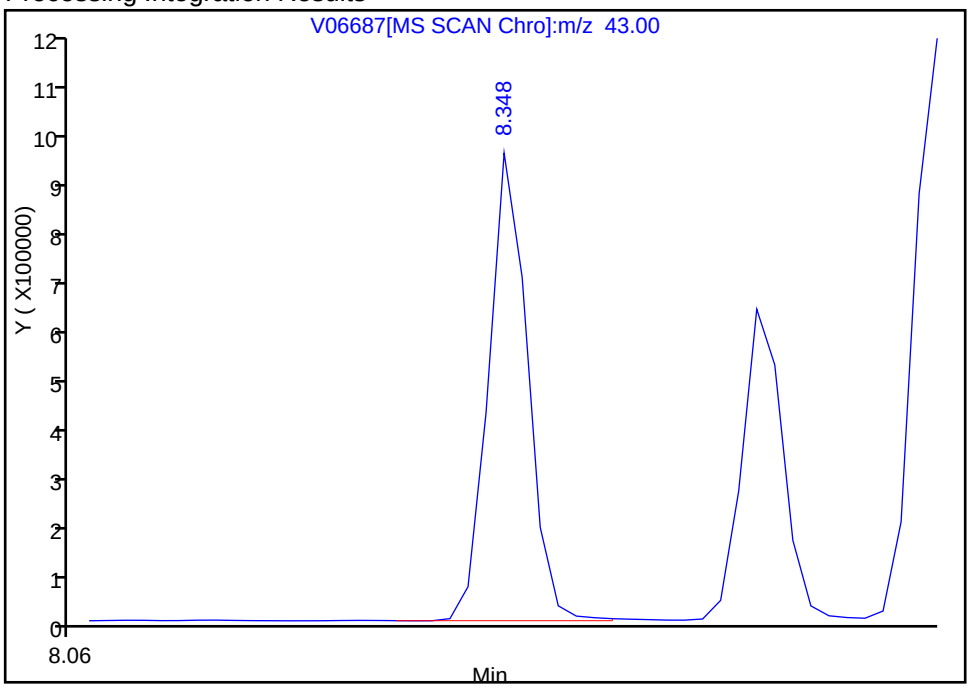
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06687.D		
Inj Date:	03-Sep-2009 18:59:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	8
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std10		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

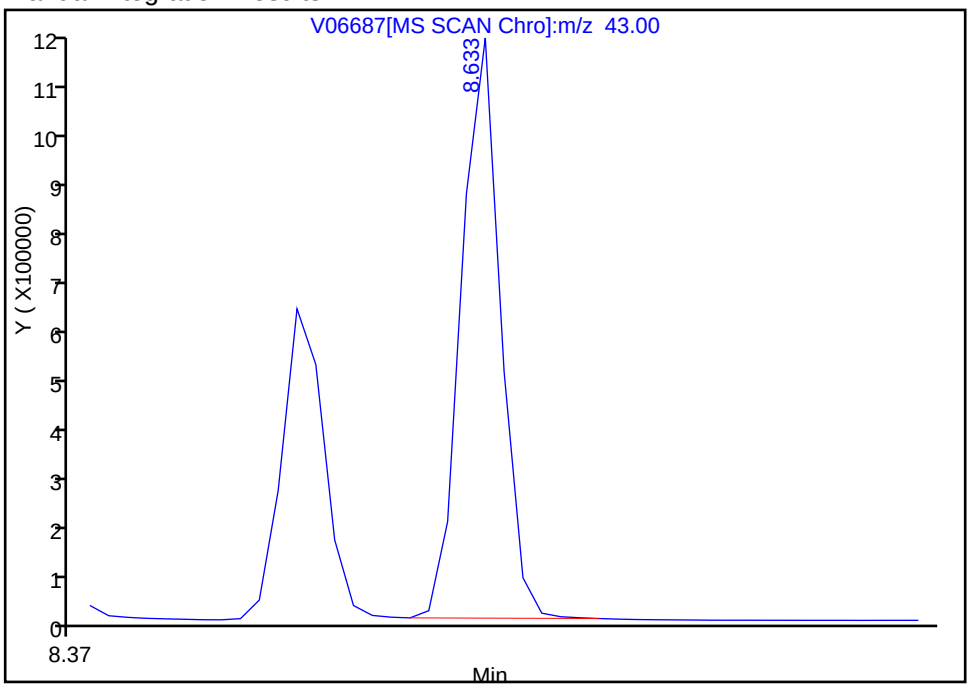
Processing Integration Results

RT: 8.35
Response: 1578207
Amount: 78.696180



Manual Integration Results

RT: 8.63
Response: 1888057
Amount: 90.659880



Reviewer: testerc, 04-Sep-2009 10:53:44
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06688.D		
Lims ID:	STD40	Client ID:	
Inject. Date:	03-Sep-2009 19:20:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std40		
Misc. Info.:	360-0001074-009		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48601	Lims Sample ID:	9
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:46:15	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:46:15

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	399894	38.5	
2 Chloromethane	1	50	1.908	1.907	0.001	405224	36.1	
3 Vinyl chloride	1	62	1.991	1.990	0.001	395699	39.1	
4 Bromomethane	1	94	2.287	2.287	0.000	150981	38.1	
5 Chloroethane	1	64	2.418	2.405	0.013	157445	37.3	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	472956	39.4	
7 Ethyl ether	1	59	2.821	2.821	0.000	328470	40.0	
8 Ethanol	1	45	2.951	2.951	0.000	174748	2128.5	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	309833	39.9	
10 Carbon disulfide	1	76	3.070	3.070	0.000	1118815	41.3	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	220174	39.1	
12 Acrolein	1	56	3.390	3.390	0.000	4571268	2154.3	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	1332098	1955.7	
14 Methylene Chloride	1	84	3.639	3.639	0.000	373970	43.0	
15 Acetone	1	43	3.699	3.698	0.001	1538853	433.3	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	592218	42.5	
17 Methyl acetate	1	43	3.817	3.817	0.000	4449138	385.3	
18 Hexane	1	57	3.888	3.888	0.000	827013	42.0	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	1045448	46.8	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	402258	433.0	
21 Isopropyl ether	1	45	4.327	4.327	0.000	1197051	46.9	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	688428	40.5	
23 Acrylonitrile	1	53	4.541	4.541	0.000	181212	43.2	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	1071005	42.9	
25 Vinyl acetate	1	43	4.743	4.742	0.001	9793238	380.1	
S 26 1,2-Dichloroethene, Total	1	1					85.7	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	537302	43.3	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	338514	40.8	
29 Cyclohexane	1	56	5.276	5.264	0.012	636648	42.0	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	216505	41.7	
31 Chloroform	1	83	5.348	5.347	0.001	684642	40.5	
32 Ethyl acetate	1	43	5.490	5.490	0.000	6161350	447.2	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	422094	42.2	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	2241586	423.4	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	430904	2116.2	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	137937	19.5	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	512498	42.1	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	2600303	403.5	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	520864	46.1	
40 n-Heptane	1	43	5.953	5.952	0.000	621170	39.6	
41 Benzene	1	78	6.000	6.000	0.000	1457516	42.8	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	855259	48.2	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	26851	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	617094	40.8	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	529877	20.0	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	4362755	433.5	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	213430	41.7	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	512358	46.0	
49 Trichloroethene	1	95	6.652	6.652	0.000	332093	40.5	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	708015	30.2	
51 Dibromomethane	1	93	7.115	7.115	0.000	198376	41.9	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	337888	42.7	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	384988	41.9	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	222183	39.3	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	26818	386.5	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	6215142	398.5	
S 57 1,3-Dichloropropene, Total	1	1					92.9	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	2327319	433.9	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	456691	46.9	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	390135	20.2	
61 Toluene	1	92	8.158	8.158	0.000	652785	43.4	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	7871814	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	4514796	441.8	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	202444	43.5	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	443517	46.0	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	8803330	424.9	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	247056	40.4	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	253324	43.1	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	435005	42.9	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	255803	43.9	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	6624609	402.8	
72 2-Hexanone	1	43	9.273	9.273	0.000	3362472	423.1	
S 73 Xylenes, Total	1	1					122.6	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	269115	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	681474	42.6	
76 Ethylbenzene	1	91	9.558	9.558	0.000	1277104	46.3	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	224436	41.5	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	2080717	82.4	
79 o-Xylene	1	91	10.056	10.056	0.000	964410	40.2	
80 Styrene	1	104	10.103	10.103	0.000	740461	41.2	
81 Bromoform	1	173	10.127	10.127	0.000	163802	41.4	

Report Date: 04-Sep-2009 10:46:16 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06688.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	1090193	40.7	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	129911	20.8	
85 Bromobenzene	1	77	10.649	10.649	0.000	575766	41.9	
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	1435518	41.5	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	372561	37.6	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	970100	43.3	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.826	0.001	973435	44.5	
90 1,2,3-Trichloropropane	1	110	10.839	10.838	0.001	88083	41.8	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	94684	38.7	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	875303	41.8	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	719718	40.8	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	954091	41.6	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	1137932	41.1	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	863619	40.5	
97 1,3-Dichlorobenzene	1	146	11.432	11.431	0.001	456586	45.1	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	118729	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	470223	41.8	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	904710	39.6	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.001	413139	41.3	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.510	0.001	42407	39.0	
103 1,3,5-Trichlorobenzene	1	180	12.523	12.522	0.001	263377	41.6	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	119558	37.2	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	221001	37.5	
106 Naphthalene	1	128	13.341	13.341	0.000	618557	35.6	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	205873	43.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:46:16 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06688.D

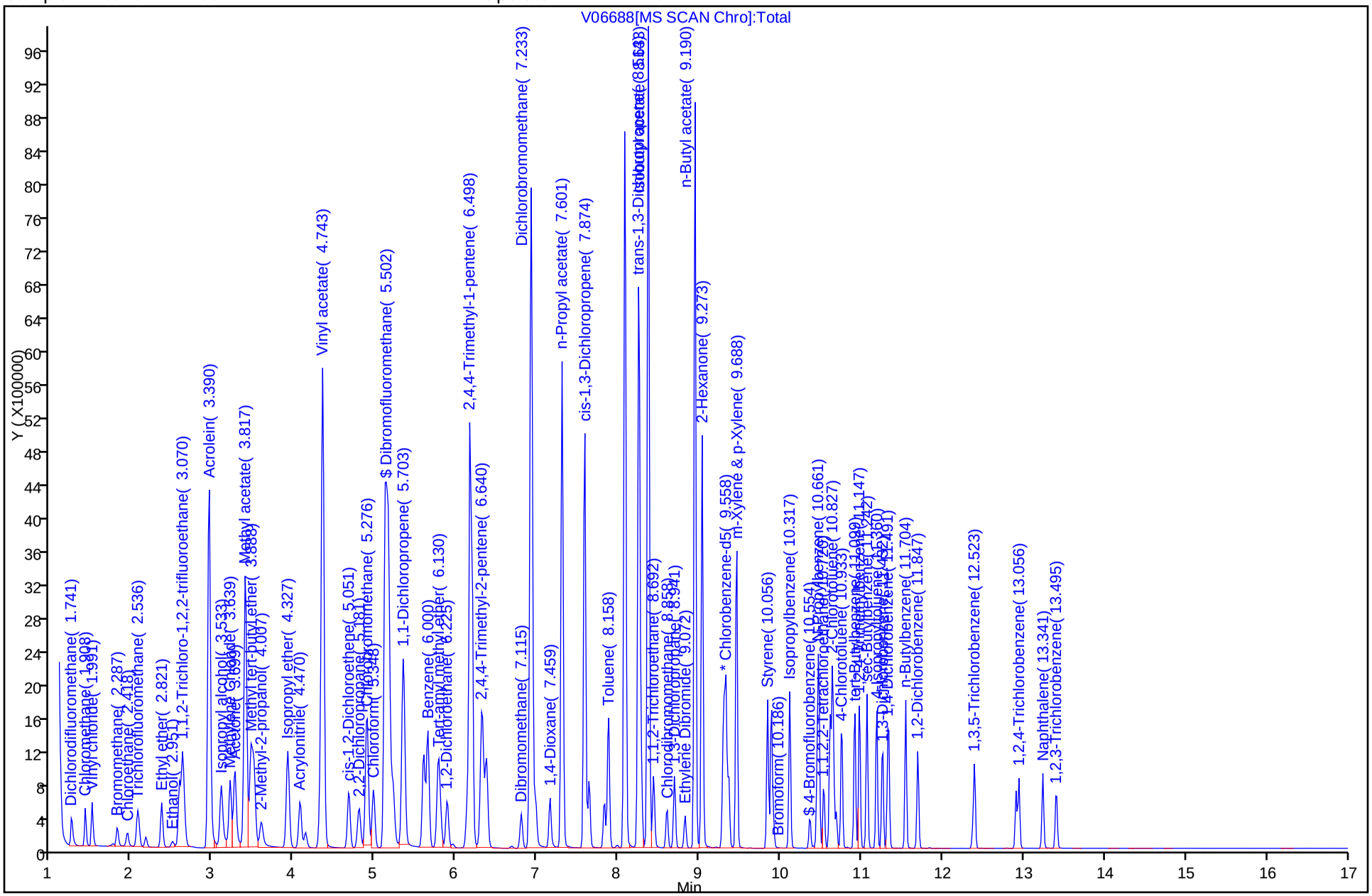
Inj Date: 03-Sep-2009 19:20:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 9

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std40

Sample Amount: 1.00 Operator: CT



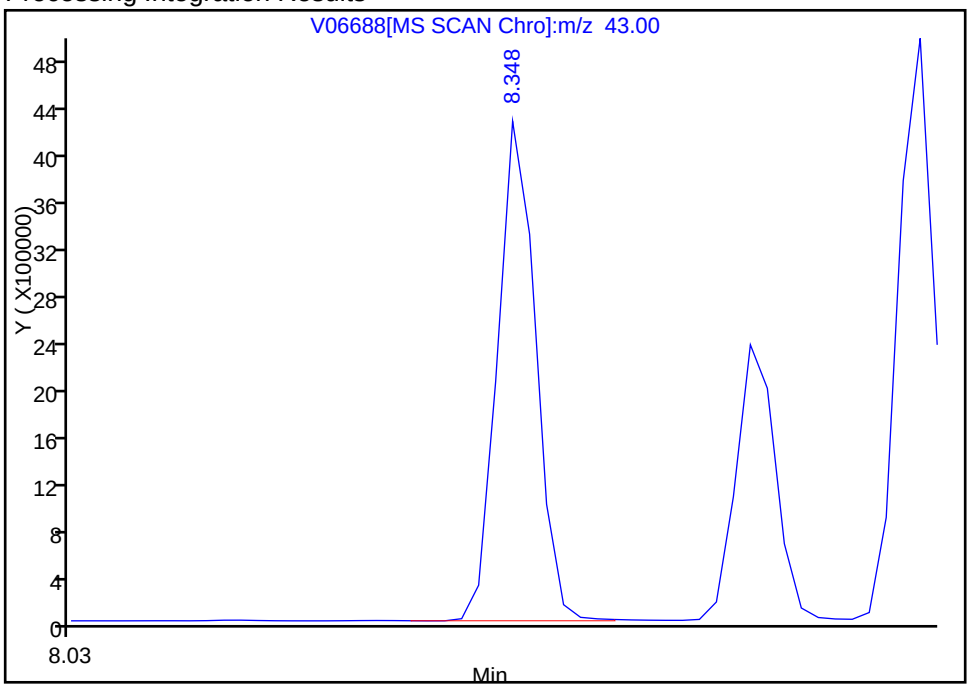
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06688.D		
Inj Date:	03-Sep-2009 19:20:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	9
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std40		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

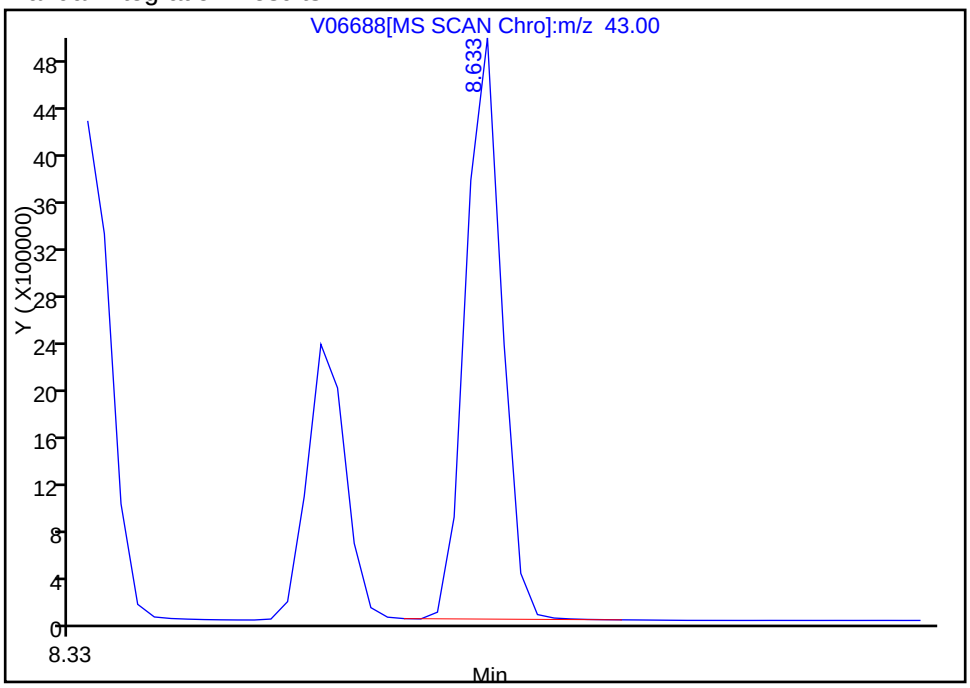
Processing Integration Results

RT: 8.35
Response: 7872513
Amount: 389.3927



Manual Integration Results

RT: 8.63
Response: 8803330
Amount: 424.8817



Reviewer: testerc, 04-Sep-2009 10:46:15
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06689.D		
Lims ID:	STD80	Client ID:	
Inject. Date:	03-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std80		
Misc. Info.:	360-0001074-010		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	48601	Lims Sample ID:	10
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:48:49	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:48:49

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	862698	77.5	
2 Chloromethane	1	50	1.907	1.907	0.000	864441	71.9	
3 Vinyl chloride	1	62	1.990	1.990	0.000	833424	76.9	
4 Bromomethane	1	94	2.287	2.287	0.000	345800	82.1	
5 Chloroethane	1	64	2.406	2.405	0.001	334358	73.9	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	1031637	80.4	
7 Ethyl ether	1	59	2.821	2.821	0.000	648353	73.8	
8 Ethanol	1	45	2.951	2.951	0.000	367347	4184.7	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	626396	75.3	
10 Carbon disulfide	1	76	3.070	3.070	0.000	2230059	77.0	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	449819	74.7	
12 Acrolein	1	56	3.390	3.390	0.000	9125629	4427.6	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	2787424	3822.1	
14 Methylene Chloride	1	84	3.639	3.639	0.000	728354	79.6	
15 Acetone	1	43	3.699	3.698	0.001	3081290	814.1	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	1183009	79.2	
17 Methyl acetate	1	43	3.817	3.817	0.000	8953086	724.1	
18 Hexane	1	57	3.888	3.888	0.000	1712578	81.1	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	2084041	87.1	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	800200	886.8	
21 Isopropyl ether	1	45	4.327	4.327	0.000	2542399	93.1	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	1388590	76.3	
23 Acrylonitrile	1	53	4.541	4.541	0.000	359292	79.9	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	2183563	81.5	
25 Vinyl acetate	1	43	4.743	4.742	0.001	20052817	837.6	
S 26 1,2-Dichloroethene, Total	1	1					162.7	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	1110048	83.5	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	672902	75.8	
29 Cyclohexane	1	56	5.264	5.264	0.000	1340946	82.3	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	436952	78.6	
31 Chloroform	1	83	5.347	5.347	0.000	1364171	75.3	
32 Ethyl acetate	1	43	5.490	5.490	0.000	12275760	832.2	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	855395	79.9	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	4271629	753.6	
35 sec-Butyl Alcohol	1	59	5.537	5.525	0.012	896160	4104.5	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	139127	18.3	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	1028925	78.9	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	5321069	771.2	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	1058791	87.4	
40 n-Heptane	1	43	5.952	5.952	0.000	1389875	82.4	
41 Benzene	1	78	6.000	6.000	0.000	2921287	80.2	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	1755932	92.4	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	26081	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	1206050	74.4	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	567328	20.0	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	8837227	820.2	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	412487	75.4	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	1072156	89.9	
49 Trichloroethene	1	95	6.652	6.652	0.000	653889	74.4	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	1489619	76.7	M
51 Dibromomethane	1	93	7.115	7.115	0.000	399859	78.8	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	651663	77.0	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	781435	79.4	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	486768	80.1	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	56577	818.6	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	12433155	803.5	
S 57 1,3-Dichloropropene, Total	1	1					179.5	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	4818648	837.1	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	945490	90.7	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	398502	19.3	
61 Toluene	1	92	8.158	8.158	0.000	1336106	83.0	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	15127934	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	8769610	801.6	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	422283	84.8	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	916403	88.7	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	16036004	799.8	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	489797	74.9	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	519983	82.7	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	886523	81.7	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	523724	83.9	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	12577683	800.0	
72 2-Hexanone	1	43	9.273	9.273	0.000	6665475	782.3	
S 73 Xylenes, Total	1	1					247.7	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	271083	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	1365682	84.8	
76 Ethylbenzene	1	91	9.558	9.558	0.000	2616566	94.3	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	446430	81.9	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	4210264	165.0	
79 o-Xylene	1	91	10.056	10.056	0.000	2002269	82.7	
80 Styrene	1	104	10.103	10.103	0.000	1492498	82.0	
81 Bromoform	1	173	10.127	10.127	0.000	335391	84.4	

Report Date: 04-Sep-2009 10:48:49 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06689.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	2279595	82.5	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	133064	21.2	
85 Bromobenzene	1	77	10.649	10.649	0.000	1150668	83.2	
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	2901933	83.0	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	717746	72.1	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	1955906	86.6	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.826	0.001	1953319	88.7	
90 1,2,3-Trichloropropane	1	110	10.850	10.838	0.012	168616	79.4	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	199020	80.2	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	1753599	82.9	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	1485890	83.3	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	1927134	83.0	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	2342285	83.8	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	1808293	83.7	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	918187	90.0	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	119239	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	937127	83.0	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	1926428	83.7	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.001	846459	84.3	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.510	0.001	95090	87.0	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	597951	94.0	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	265536	82.3	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	508046	81.1	
106 Naphthalene	1	128	13.341	13.341	0.000	1417719	76.1	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	451400	94.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:48:49 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06689.D

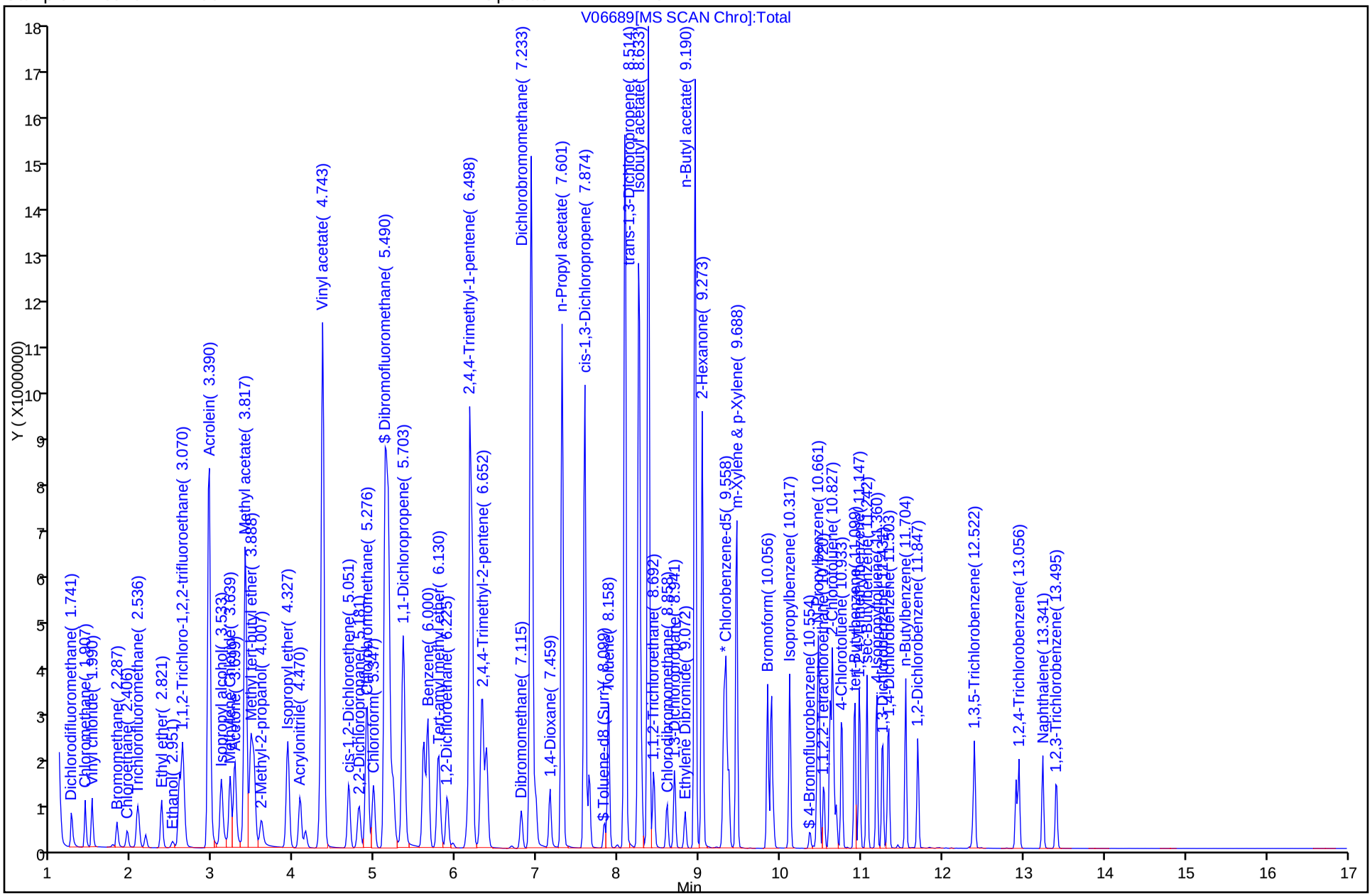
Inj Date: 03-Sep-2009 19:41:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 10

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std80

Sample Amount: 1.00 Operator: CT



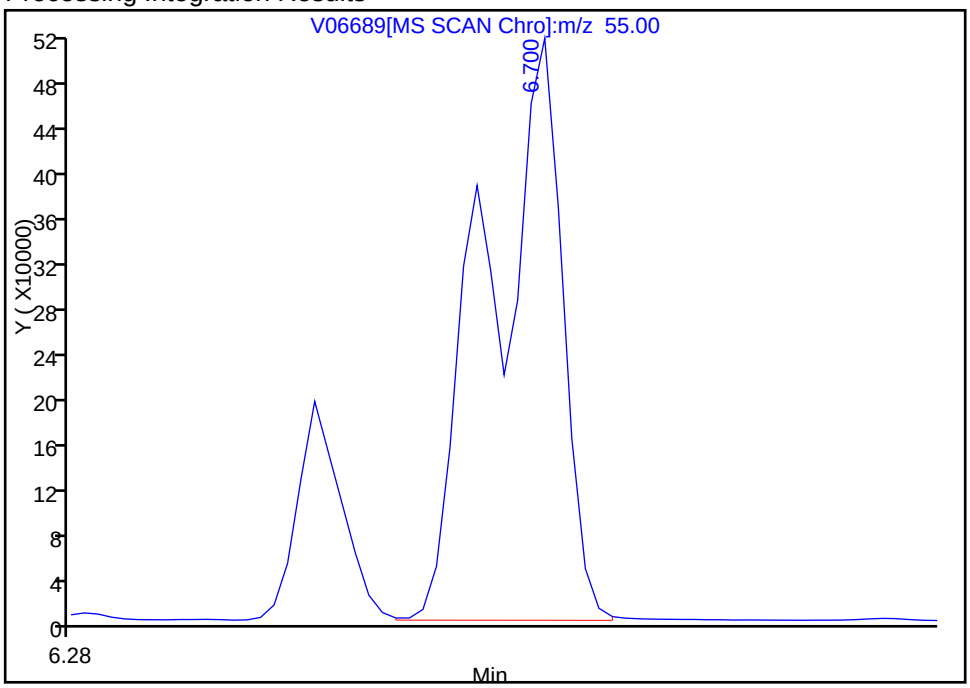
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06689.D		
Inj Date:	03-Sep-2009 19:41:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	10
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std80		
Sample Amount:	1.00	Operator:	CT

50 2,4,4-Trimethyl-2-pentene, Number: 1, m/z: 55 Type: quant, RT: 6.70, Det: MS SCAN

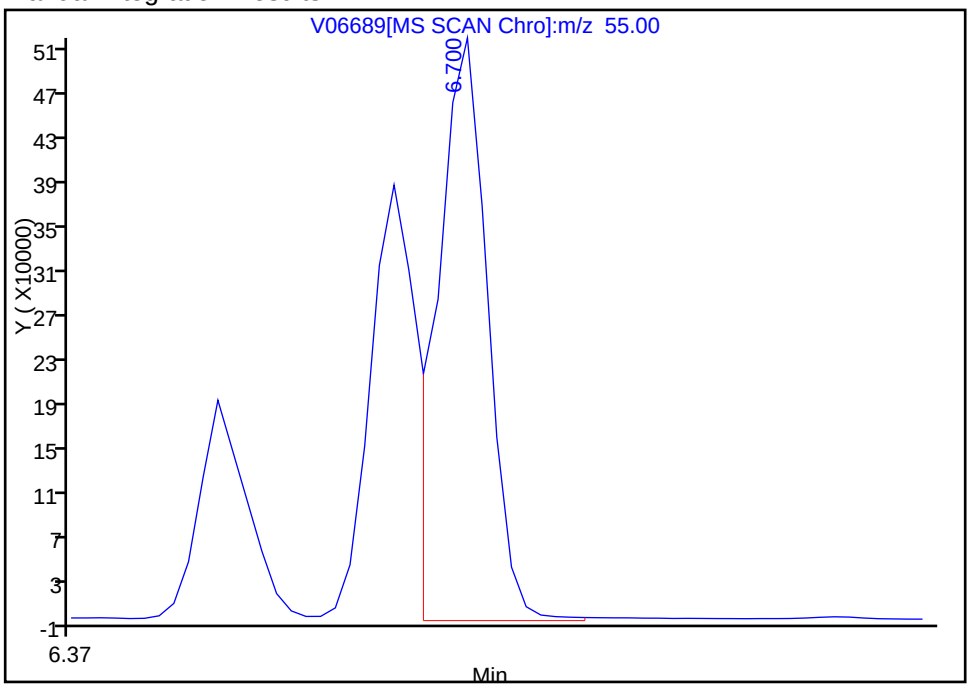
Processing Integration Results

RT: 6.70
Response: 2345310
Amount: 86.956924



Manual Integration Results

RT: 6.70
Response: 1489619
Amount: 76.670439



Reviewer: testerc, 04-Sep-2009 10:48:49
Audit Action: Manually Integrated
Audit Reason: Split Peak

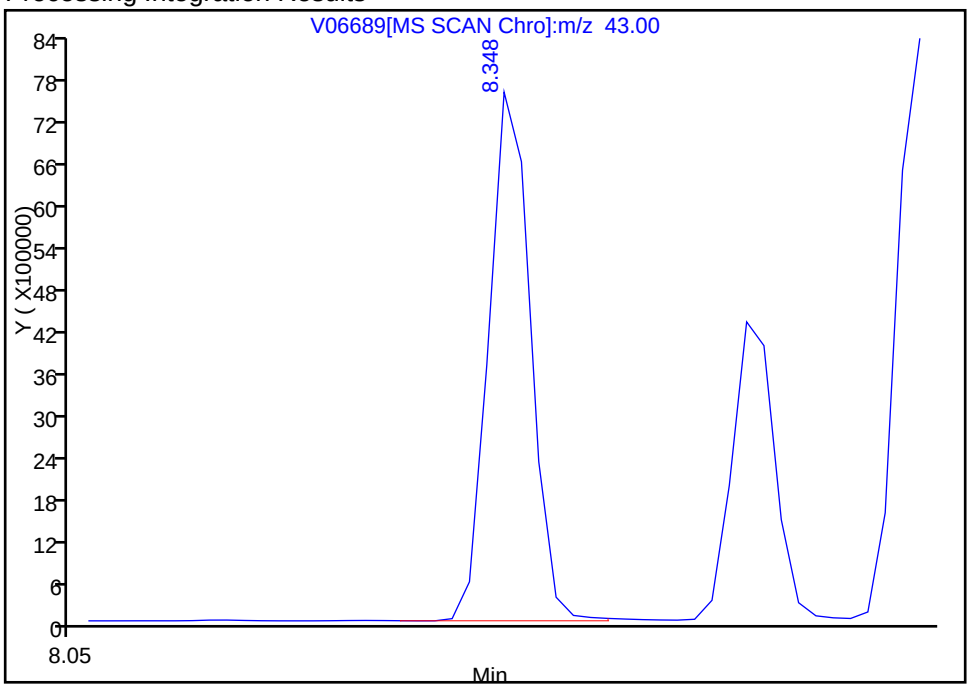
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06689.D		
Inj Date:	03-Sep-2009 19:41:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	10
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std80		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.63, Det: MS SCAN

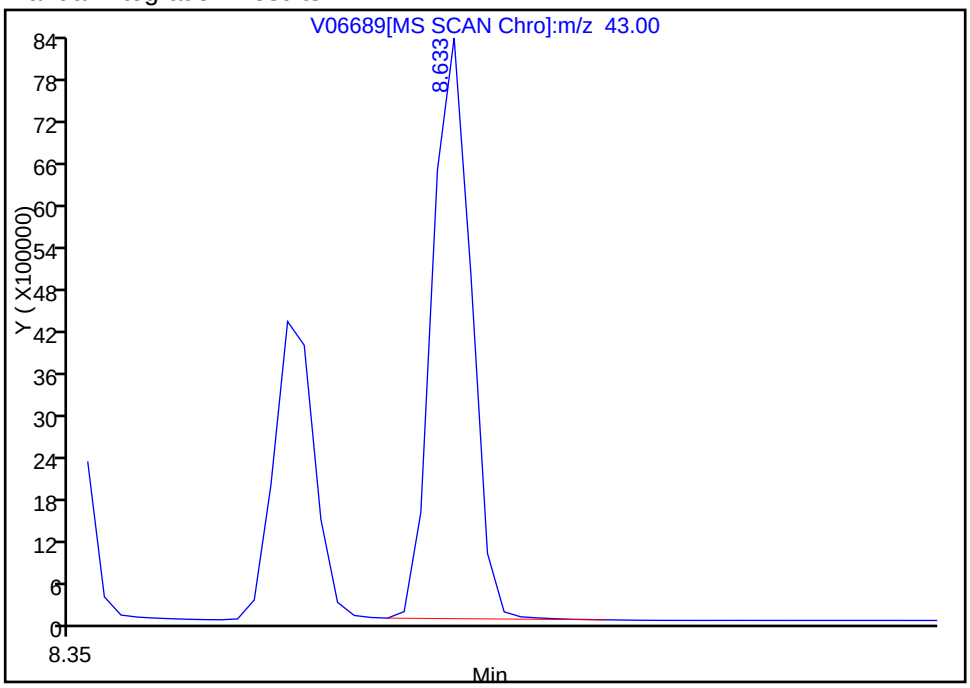
Processing Integration Results

RT: 8.35
Response: 15144183
Amount: 773.7304



Manual Integration Results

RT: 8.63
Response: 16036004
Amount: 799.8113



Reviewer: testerc, 04-Sep-2009 10:48:49
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Lims ID:	STD160	Client ID:	
Inject. Date:	03-Sep-2009 20:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std160		
Misc. Info.:	360-0001074-011		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	48601	Lims Sample ID:	11
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:52:06	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 04-Sep-2009 10:52:06

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	1676070	146.6	
2 Chloromethane	1	50	1.907	1.907	0.000	1773175	143.5	
3 Vinyl chloride	1	62	1.990	1.990	0.000	1607903	144.5	
4 Bromomethane	1	94	2.275	2.287	-0.012	680383	157.8	
5 Chloroethane	1	64	2.406	2.405	0.001	652007	140.3	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	2005908	152.1	
7 Ethyl ether	1	59	2.821	2.821	0.000	1283435	142.2	
8 Ethanol	1	45	2.951	2.951	0.000	711914	7902.5	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	1278772	149.7	
10 Carbon disulfide	1	76	3.058	3.070	-0.012	4397371	148.1	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	912841	147.6	
12 Acrolein	1	56	3.378	3.390	-0.012	16756550	8276.9	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	5541404	7399.2	
14 Methylene Chloride	1	84	3.639	3.639	0.000	1454479	156.4	
15 Acetone	1	43	3.699	3.698	0.001	5975164	1541.2	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	2359191	153.9	
17 Methyl acetate	1	43	3.817	3.817	0.000	18919541	1490.1	
18 Hexane	1	57	3.888	3.888	0.000	3440341	158.5	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	4280169	174.2	
20 2-Methyl-2-propanol	1	59	4.019	4.007	0.012	1694514	1911.9	
21 Isopropyl ether	1	45	4.327	4.327	0.000	5240136	186.9	
22 1,1-Dichloroethane	1	63	4.470	4.469	0.001	2801777	149.9	
23 Acrylonitrile	1	53	4.541	4.541	0.000	727075	157.5	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	4363547	158.5	
25 Vinyl acetate	1	43	4.731	4.742	-0.011	28160873	1562.7	
S 26 1,2-Dichloroethene, Total	1	1					319.5	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	2261558	165.7	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	1279948	140.4	
29 Cyclohexane	1	56	5.264	5.264	0.000	2656667	158.5	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	886522	155.4	
31 Chloroform	1	83	5.347	5.347	0.000	2732905	147.0	
32 Ethyl acetate	1	43	5.490	5.490	0.000	23496230	1551.1	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	1681853	152.9	
34 Tetrahydrofuran	1	42	5.525	5.525	0.000	8030625	1379.6	
35 sec-Butyl Alcohol	1	59	5.537	5.525	0.012	1740890	7758.9	
$ 36 Dibromofluoromethane	1	113	5.561	5.549	0.012	137985	17.7	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	1997944	149.2	
38 2-Butanone (MEK)	1	43	5.703	5.703	0.000	10497790	1481.6	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	2134947	171.7	
40 n-Heptane	1	43	5.952	5.952	0.000	2814698	162.1	
41 Benzene	1	78	6.000	6.000	0.000	5867315	156.8	
42 Tert-amyl methyl ether	1	73	6.130	6.130	0.000	3616188	185.3	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	25618	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	2390567	143.6	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	582596	20.0	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	17021993	1546.9	M
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	724546	128.9	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	2102087	171.6	
49 Trichloroethene	1	95	6.652	6.652	0.000	1304194	144.5	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	2864357	157.9	M
51 Dibromomethane	1	93	7.115	7.115	0.000	803127	154.2	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	1202236	138.3	
53 Dichlorobromomethane	1	83	7.293	7.281	0.012	1553875	153.8	
54 Methyl methacrylate	1	69	7.459	7.459	0.001	1041861	166.7	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	115658	1684.3	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	21023471	1598.6	
S 57 1,3-Dichloropropene, Total	1	1					350.2	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	9006864	1522.0	
59 cis-1,3-Dichloropropene	1	75	7.933	7.921	0.012	1926931	180.1	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	404017	19.0	
61 Toluene	1	92	8.158	8.158	0.000	2699954	163.3	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	21477399	0	
65 4-Methyl-2-pentanone (MIBK)	1	43	8.526	8.514	0.012	15154852	1348.9	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	854687	167.2	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	1804469	170.1	
63 Isobutyl acetate	1	43	8.621	8.621	0.000	21602945	1500.5	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	947775	141.1	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	1049345	162.5	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	1740202	156.1	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	1053130	164.4	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	19131294	1599.1	
72 2-Hexanone	1	43	9.273	9.273	0.000	12081921	1380.1	
S 73 Xylenes, Total	1	1					480.1	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	269999	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	2662344	166.0	
76 Ethylbenzene	1	91	9.558	9.558	0.000	5096331	184.3	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	870890	160.4	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	8075890	317.4	
79 o-Xylene	1	91	10.056	10.056	0.000	3932262	162.7	
80 Styrene	1	104	10.103	10.103	0.000	2911718	160.3	
81 Bromoform	1	173	10.127	10.127	0.000	689387	177.7	

Report Date: 04-Sep-2009 10:52:06 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	4414531	158.7	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	131770	21.1	
85 Bromobenzene	1	77	10.649	10.649	0.000	2194013	159.2	
86 N-Propylbenzene	1	91	10.672	10.672	0.000	5511822	158.1	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	1379668	141.9	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	3745689	166.6	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.826	0.001	3698356	168.7	
90 1,2,3-Trichloropropane	1	110	10.850	10.838	0.012	320082	151.3	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	409178	165.0	
92 4-Chlorotoluene	1	91	10.945	10.933	0.012	3313036	157.2	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	2851756	160.3	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	3660616	157.8	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	4387353	157.3	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	3454743	160.3	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	1761496	173.4	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	116424	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.502	0.001	1835258	166.5	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	3642039	161.7	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.000	1671126	170.4	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.510	0.001	210149	197.0	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	1223327	197.1	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	541046	171.8	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	1080476	172.5	
106 Naphthalene	1	128	13.341	13.341	0.000	3062574	163.4	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	938939	200.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 04-Sep-2009 10:52:06 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D

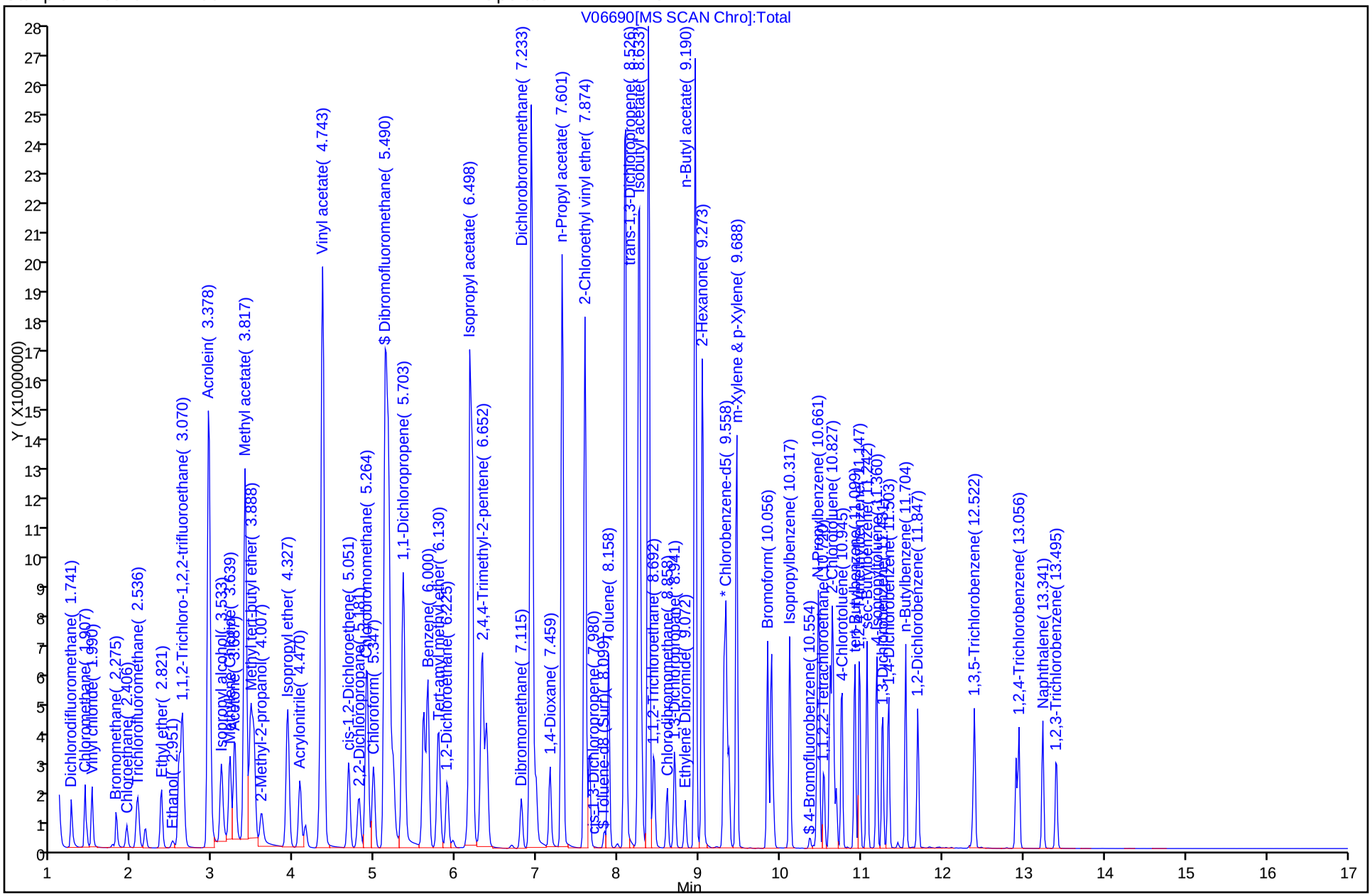
Inj Date: 03-Sep-2009 20:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48601 Lims Sample ID: 11

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: std160

Sample Amount: 1.00 Operator: CT



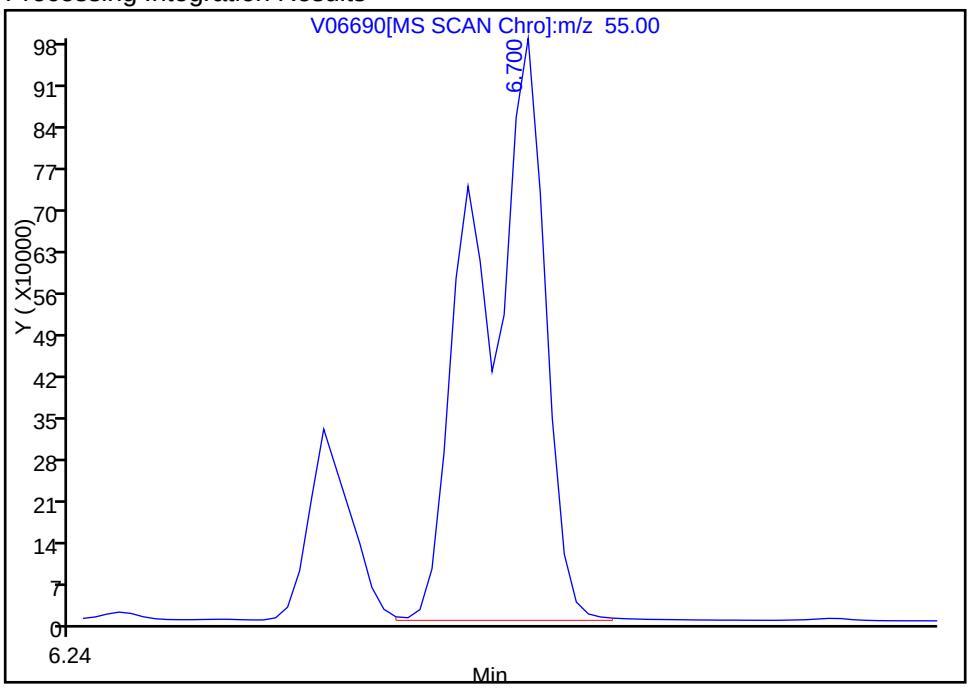
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Inj Date:	03-Sep-2009 20:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	11
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std160		
Sample Amount:	1.00	Operator:	CT

50 2,4,4-Trimethyl-2-pentene, Number: 1, m/z: 55 Type: quant, RT: 6.70, Det: MS SCAN

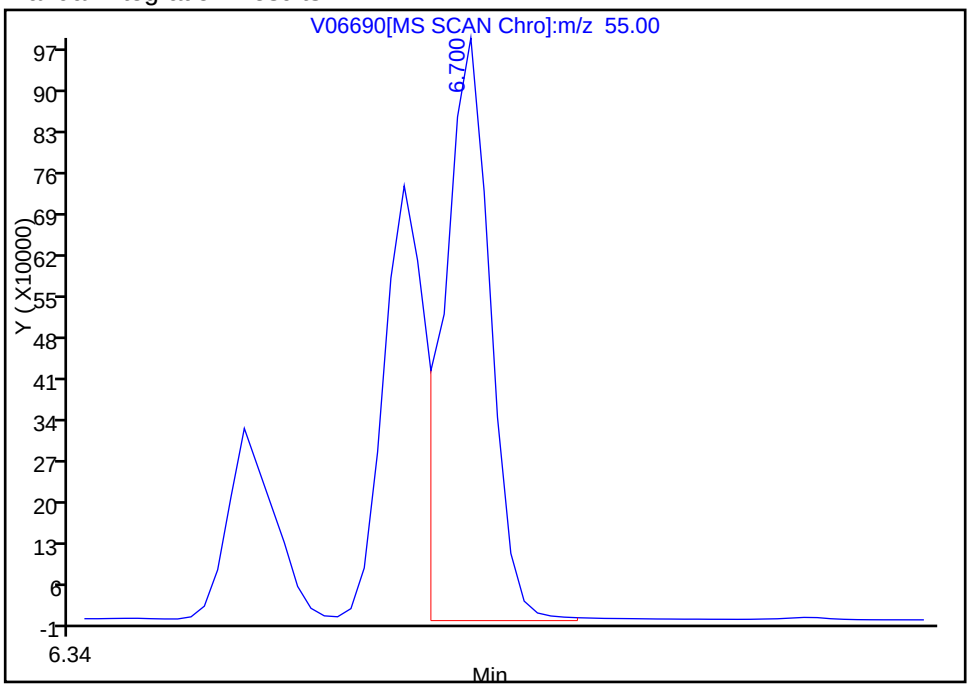
Processing Integration Results

RT: 6.70
Response: 4492580
Amount: 160.3686



Manual Integration Results

RT: 6.70
Response: 2864357
Amount: 157.8960



Reviewer: testerc, 04-Sep-2009 10:52:06
Audit Action: Manually Integrated
Audit Reason: Split Peak

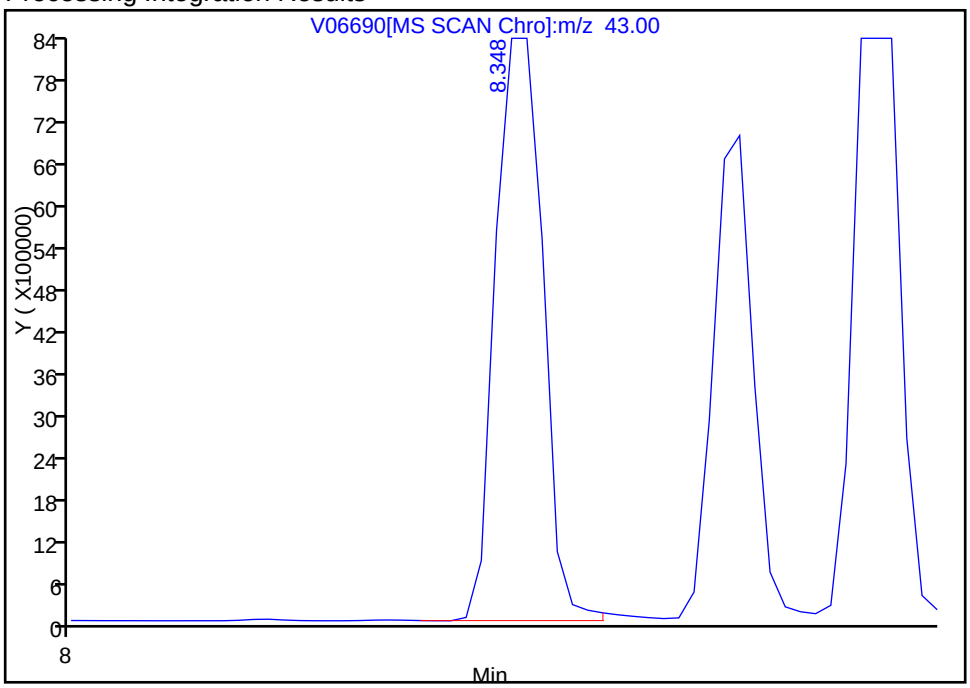
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Inj Date:	03-Sep-2009 20:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	11
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std160		
Sample Amount:	1.00	Operator:	CT

63 Isobutyl acetate, Number: 1, m/z: 43 Type: quant, RT: 8.62, Det: MS SCAN

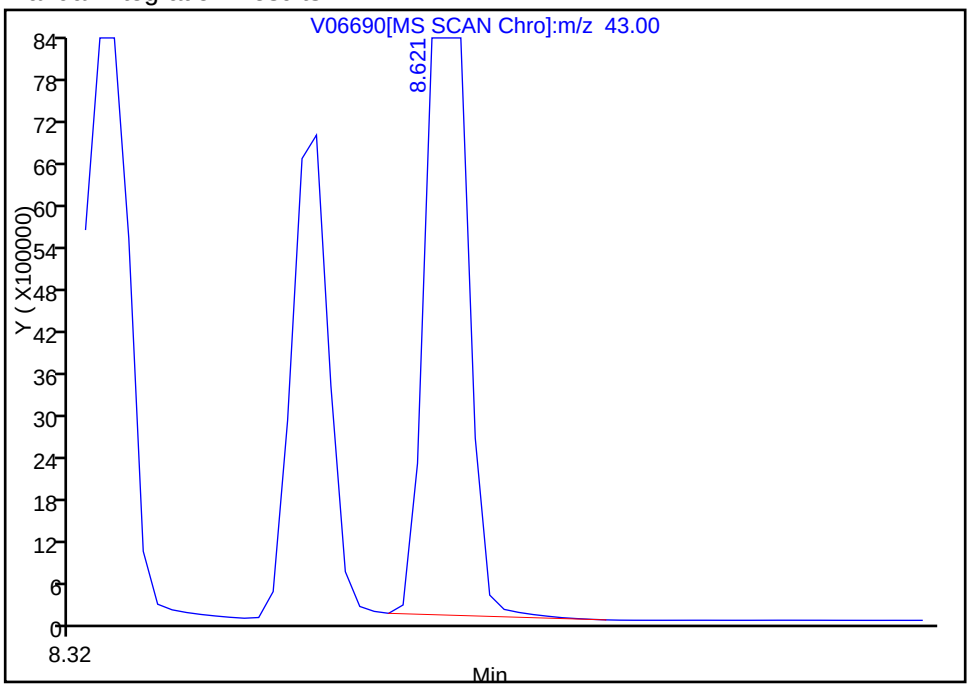
Processing Integration Results

RT: 8.35
Response: 21538860
Amount: 1489.0055



Manual Integration Results

RT: 8.62
Response: 21602945
Amount: 1500.5199



Reviewer: testerc, 04-Sep-2009 10:52:06
Audit Action: Manually Integrated
Audit Reason: Wrong peak

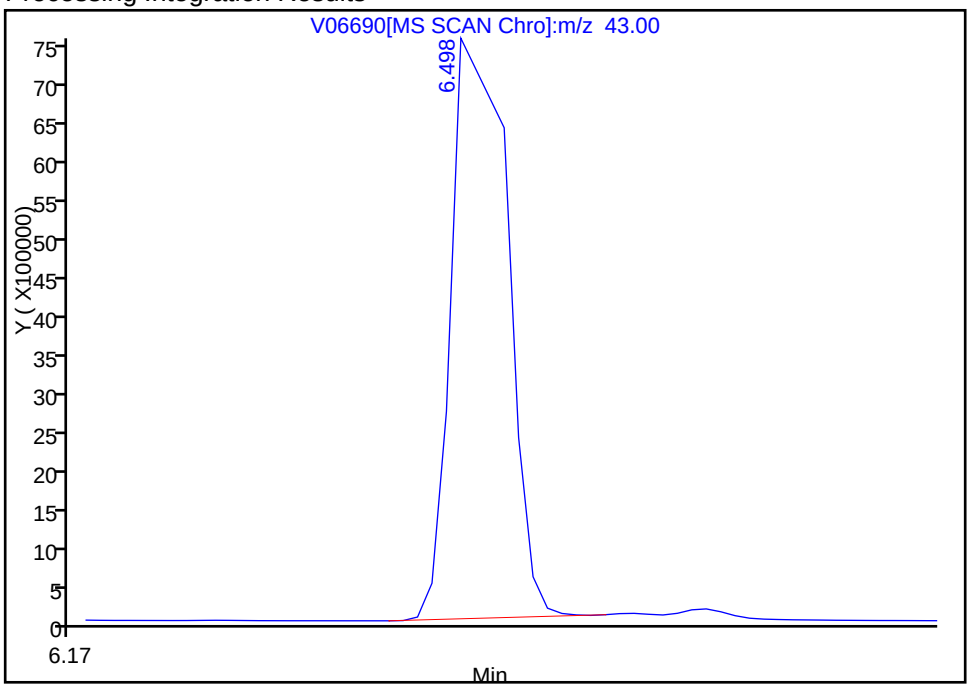
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Inj Date:	03-Sep-2009 20:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	11
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	std160		
Sample Amount:	1.00	Operator:	CT

47 Isopropyl acetate, Number: 1, m/z: 43 Type: quant, RT: 6.50, Det: MS SCAN

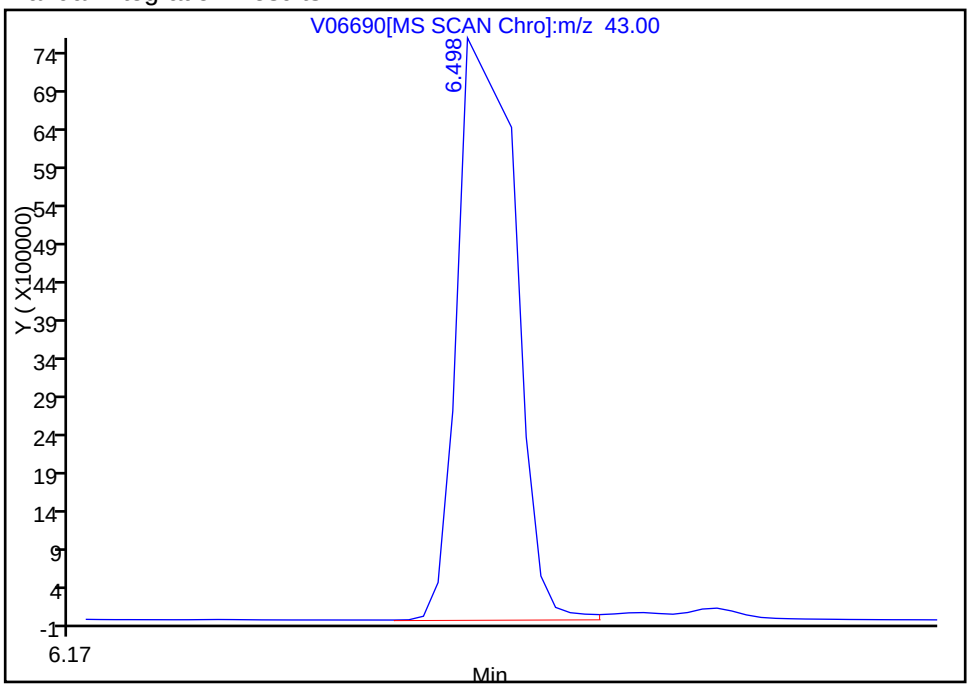
Processing Integration Results

RT: 6.50
Response: 16421648
Amount: 1499.6499



Manual Integration Results

RT: 6.50
Response: 17021993
Amount: 1546.9021



Reviewer: testerc, 04-Sep-2009 10:52:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0005 360-48701/3	V44790.D
Level 2	STD001 360-48701/4	V44791.D
Level 3	STD005 360-48701/5	V44792.D
Level 4	STD010 360-48701/6	V44793.D
Level 5	STD20 360-48701/2	V44788.D
Level 6	STD040 360-48701/7	V44794.D
Level 7	STD080 360-48701/8	V44795.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5140 0.4691	0.4431 0.4350	0.5215	0.5130	0.4826	Lin1	-0.069	0.4427							0.9910		0.9900
Chloromethane	1.0494 0.8552	0.8501 0.7960	0.9616	0.9508	0.8610	Ave		0.9034			0.1000	9.6		15.0			
Vinyl chloride	0.7127 0.5986	0.5945 0.5590	0.6714	0.6661	0.6078	Ave		0.6300				8.6		15.0			
Bromomethane	0.3622 0.2900	0.3259 0.2675	0.3323	0.3132	0.2981	Ave		0.3127				9.9		15.0			
Chloroethane	0.4861 0.3277	0.3774 0.2991	0.3873	0.3727	0.3453	Lin2	0.0695	0.3371							0.9910		0.9900
Trichlorofluoromethane	0.5868 0.4931	0.4948 0.4668	0.5334	0.5367	0.5164	Ave		0.5183				7.5		15.0			
Ethyl ether	0.3259 0.2556	0.2678 0.2377	0.2554	0.2522	0.2274	Ave		0.2603				12.0		15.0			
Ethanol	0.0047 0.0017	0.0014 0.0016	0.0015	0.0019	0.0016	Lin1	-0.003	0.0016							0.9910		0.9900
1,1-Dichloroethene	0.4196 0.3087	0.2933 0.2942	0.3549	0.3319	0.3156	Ave		0.3201				7.4		15.0			
Carbon disulfide	1.5648 1.3008	1.2759 1.2119	1.5758	1.4732	1.3494	Ave		1.3953				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2117 0.1748	0.1784 0.1637	0.2010	0.1910	0.1799	Ave		0.1858				8.9		15.0			
Acrolein	0.9360 0.7838	0.7899 0.6862	0.8009	0.8090	0.6798	Ave		0.7836				11.0		15.0			
Isopropyl alcohol	0.0159 0.0108	0.0144 0.0098	0.0107	0.0109	0.0097	Lin2	0.1535	0.0102							0.9950		0.9900
Methylene Chloride	1.0666 0.3541	0.6021 0.3239	0.4564	0.3919	0.3486	Lin1	0.3614	0.3313							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
Acetone	0.1017 0.0541	0.0727 0.0569	0.0535	0.0571	0.0447	Lin2	0.2392	0.0512							0.9900		0.9900
trans-1,2-Dichloroethene	0.8034 0.6567	0.6880 0.6144	0.7891	0.7211	0.6625	Ave		0.7060				10.0		15.0			
Methyl acetate	0.1528 0.1436	0.1545 0.1346	0.1613	0.1400	0.1320	Lin1	0.7529	0.1355							0.9980		0.9900
Hexane	0.8750 0.8419	0.7804 0.7901	0.9335	0.9005	0.8463	Ave		0.8540				6.6		15.0			
Methyl tert-butyl ether	0.8310 0.6781	0.7210 0.6174	0.7332	0.7008	0.6131	Ave		0.6992				11.0		15.0			
2-Methyl-2-propanol	0.4264 0.3753	0.4373 0.3412	0.3974	0.3852	0.3208	Ave		0.3834				11.0		15.0			
Isopropyl ether	2.3305 1.9515	1.9432 1.7936	2.0738	2.0275	1.8103	Ave		1.9972				9.9		15.0			
1,1-Dichloroethane	0.9214 0.7581	0.7493 0.7189	0.8503	0.8052	0.7399	Ave		0.7919			0.1000	9.1		15.0			
Acrylonitrile	0.1932 0.0669	0.0852 0.0632	0.0700	0.0647	0.0608	Lin1	0.0490	0.0625							0.9960		0.9900
Tert-butyl ethyl ether	1.3637 1.1578	1.1985 1.0516	1.2956	1.2192	1.0693	Ave		1.1937				9.5		15.0			
Vinyl acetate	0.6739 0.5915	0.5590 0.5399	0.5586	0.5497	0.5486	Ave		0.5745				8.1		15.0			
1,4-Dioxane	+++++ 0.0214	+++++ 0.0175	0.0192	0.0254	0.0178	Qua	-0.179	0.0239	0						0.9940		0.9900
cis-1,2-Dichloroethene	0.6779 0.5936	0.6055 0.5641	0.6617	0.6336	0.5706	Ave		0.6148				7.0		15.0			
2,2-Dichloropropane	0.6342 0.4755	0.5210 0.4230	0.6174	0.5607	0.5100	Ave		0.5371				15.0		15.0			
Cyclohexane	0.8833 0.8440	0.8596 0.7640	1.0064	0.9609	0.8709	Ave		0.8898				9.1		15.0			
Chlorobromomethane	0.1645 0.1348	0.1395 0.1288	0.1408	0.1353	0.1269	Ave		0.1386				9.0		15.0			
Chloroform	0.7419 0.5969	0.6033 0.5734	0.6613	0.6075	0.5609	Ave		0.6243				11.0		15.0			
Ethyl acetate	0.1927 0.2113	0.1899 0.2061	0.1945	0.1958	0.1824	Ave		0.1954				5.2		15.0			
Carbon tetrachloride	0.4247 0.3509	0.3314 0.3372	0.3985	0.3723	0.3447	Ave		0.3645				8.9		15.0			
Tetrahydrofuran	0.0997 0.0738	0.0800 0.0688	0.0742	0.0715	0.0651	Ave		0.0762				15.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
sec-Butyl Alcohol	0.0188 0.0206	0.0193 0.0192	0.0184	0.0195	0.0175	Ave		0.0190				5.2		15.0			
1,1,1-Trichloroethane	0.6107 0.4850	0.5243 0.4555	0.5633	0.5228	0.4926	Ave		0.5171				8.3		15.0			
2-Butanone (MEK)	0.1254 0.0978	0.0970 0.0932	0.0875	0.0942	0.0855	Ave		0.0960				11.0		15.0			
1,1-Dichloropropene	0.5649 0.4860	0.4602 0.4738	0.5235	0.4974	0.4886	Ave		0.4990				6.9		15.0			
n-Heptane	0.8565 0.9050	0.7696 0.8568	0.9834	0.9534	0.9214	Ave		0.8945				7.9		15.0			
Benzene	1.4982 1.3135	1.2724 1.2722	1.4240	1.3811	1.3000	Ave		1.3516				6.4		15.0			
Tert-amyl methyl ether	0.8924 0.7489	0.7542 0.6970	0.7873	0.7691	0.6859	Ave		0.7621				9.0		15.0			
1,2-Dichloroethane	0.3816 0.3231	0.3308 0.3183	0.3086	0.3180	0.2967	Ave		0.3253				8.3		15.0			
2,4,4-Trimethyl-1-pentene	0.4938 0.3541	0.3646 0.3124	0.4110	0.3852	0.3642	Ave		0.3806				13.0		15.0			
Isopropyl acetate	0.4037 0.4289	0.4243 0.3966	0.4390	0.4302	0.3827	Ave		0.4164				4.9		15.0			
Methylcyclohexane	0.6139 0.6029	0.6147 0.5509	0.6983	0.6779	0.6330	Ave		0.6300				7.7		15.0			
Trichloroethene	0.3063 0.3065	0.2969 0.3014	0.3093	0.3092	0.2942	Ave		0.3155				11.0		15.0			
2,4,4-Trimethyl-2-pentene	0.2121 0.1826	0.1691 0.1753	0.2003	0.1875	0.1834	Ave		0.1872				7.8		15.0			
Dibromomethane	0.1392 0.1172	0.1201 0.1142	0.1218	0.1144	0.1086	Ave		0.1188				7.1		15.0			
1,2-Dichloropropane	0.3938 0.2954	0.3358 0.2637	0.3304	0.3180	0.2870	Ave		0.3182				14.0		15.0			
Dichlorobromomethane	0.3938 0.3437	0.3464 0.3424	0.3382	0.3296	0.3226	Ave		0.3427				4.9		15.0			
Methyl methacrylate	0.1085 0.0887	0.0894 0.0905	0.0796	0.0833	0.0784	Ave		0.0864				7.1		15.0			
n-Propyl acetate	0.2444 0.2620	0.2430 0.2609	0.2475	0.2487	0.2328	Ave		0.2485				4.1		15.0			
2-Chloroethyl vinyl ether	0.0355 0.0374	0.0283 0.0403	0.0292	0.0307	0.0309	Lin	-0.708	0.0405							0.9960		0.9900
cis-1,3-Dichloropropene	0.4414 0.4042	0.3574 0.4061	0.3989	0.3896	0.3850	Ave		0.3975				6.4		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
Toluene	0.8034 0.6891	0.6622 0.6914	0.7181	0.7001	0.6751	Ave		0.7062				6.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.2378 0.2097	0.2078 0.1819	0.1997	0.2058	0.1875	Ave		0.2048				9.4		15.0			
Tetrachloroethene	0.1974 0.1810	0.1750 0.1842	0.1931	0.1876	0.1851	Ave		0.1859				3.7		15.0			
trans-1,3-Dichloropropene	0.3306 0.2937	0.2739 0.2966	0.2820	0.2826	0.2759	Ave		0.2914				7.2		15.0			
Isobutyl acetate	0.5849 0.6001	0.5935 0.5284	0.6357	0.6186	0.5396	Ave		0.5858				6.7		15.0			
1,1,2-Trichloroethane	0.1738 0.1281	0.1193 0.1265	0.1272	0.1194	0.1153	Lin1	0.0117	0.1247							0.9980		0.9900
Chlorodibromomethane	0.1753 0.1533	0.1430 0.1540	0.1424	0.1436	0.1413	Ave		0.1504				8.1		15.0			
1,3-Dichloropropane	0.3266 0.2848	0.2787 0.2855	0.2733	0.2703	0.2607	Ave		0.2828				7.5		15.0			
Ethylene Dibromide	0.1485 0.1281	0.1197 0.1286	0.1205	0.1216	0.1163	Ave		0.1260				8.2		15.0			
n-Butyl acetate	0.3463 0.3346	0.3445 0.3209	0.3386	0.3287	0.2965	Ave		0.3300				5.2		15.0			
2-Hexanone	0.1659 0.1333	0.1215 0.1275	0.1135	0.1276	0.1163	Ave		0.1294				14.0		15.0			
Chlorobenzene	1.1913 1.0803	1.0113 1.0817	1.1284	1.0895	1.0360	Ave		1.0959			0.3000	6.9		15.0			
Ethylbenzene	2.6758 2.1553	2.1312 2.0628	2.4520	2.2929	2.1714	Ave		2.2788				9.7		15.0			
1,1,1,2-Tetrachloroethane	0.3901 0.3385	0.3372 0.3202	0.3653	0.3541	0.3297	Ave		0.3475				6.7		15.0			
m-Xylene & p-Xylene	1.9757 1.6727	1.6563 1.5766	1.8860	1.7978	1.6875	Ave		1.7524				8.3		15.0			
o-Xylene	2.1470 1.8264	1.8191 1.6597	2.0450	1.9708	1.8130	Ave		1.9034				9.3		15.0			
Styrene	1.4922 1.2759	1.2027 1.2037	1.3614	1.2839	1.2100	Ave		1.2938				8.9		15.0			
Bromoform	0.3485 0.3369	0.2780 0.3504	0.2816	0.2944	0.3020	Ave		0.3131			0.1000	10.0		15.0			
Isopropylbenzene	2.4208 2.2025	2.0724 2.0183	2.4760	2.3615	2.1975	Ave		2.2554				8.0		15.0			
Bromobenzene	1.2089 0.9533	1.0331 0.8458	1.0983	1.0589	0.9355	Ave		1.0237				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
N-Propylbenzene	3.2749 2.7253	2.8073 2.4461	3.2146	3.0479	2.8034	Ave		2.9014				10.0		15.0			
1,1,2,2-Tetrachloroethane	0.7864 0.7241	0.6467 0.7098	0.6652	0.6693	0.6233	Ave		0.6847			0.3000	6.8		15.0			
2-Chlorotoluene	2.1981 1.7626	1.9110 1.5938	2.1562	2.0102	1.8004	Ave		1.9274				12.0		15.0			
1,3,5-Trimethylbenzene	2.0740 1.7484	1.7543 1.5683	2.0682	1.9727	1.7597	Ave		1.8515				10.0		15.0			
1,2,3-Trichloropropane	0.0977 0.0640	0.0737 0.0579	0.0702	0.0659	0.0581	Lin2	0.0173	0.0613							0.9940		0.9900
trans-1,4-Dichloro-2-butene	0.1855 0.1153	0.1121 0.1006	0.1143	0.1079	0.1045	Lin1	0.0258	0.1049							0.9960		0.9900
4-Chlorotoluene	1.9957 1.5857	1.6208 1.4256	1.8310	1.7825	1.5862	Ave		1.6830				11.0		15.0			
tert-Butylbenzene	1.6114 1.4382	1.3443 1.2740	1.6375	1.5566	1.4452	Ave		1.4710				9.1		15.0			
1,2,4-Trimethylbenzene	2.2426 1.7341	1.8521 1.5229	2.1213	1.9555	1.7416	Ave		1.8740				12.0		15.0			
sec-Butylbenzene	2.7805 2.3745	2.3854 2.0944	2.8375	2.6923	2.4540	Ave		2.5177				11.0		15.0			
4-Isopropyltoluene	2.1860 1.7686	1.7710 1.5718	2.1469	2.0266	1.8270	Ave		1.8943				12.0		15.0			
1,3-Dichlorobenzene	1.0333 0.7640	0.8393 0.6910	0.9262	0.8750	0.7657	Ave		0.8416				14.0		15.0			
1,4-Dichlorobenzene	2.0036 1.7607	1.7009 1.7703	1.8008	1.7631	1.6721	Ave		1.7881				6.9		15.0			
n-Butylbenzene	4.8165 4.5260	4.1981 4.4386	4.9374	4.7733	4.6065	Ave		4.6138				5.5		15.0			
1,2-Dichlorobenzene	1.7303 1.4725	1.4090 1.4730	1.4926	1.4666	1.3959	Ave		1.4920				7.6		15.0			
1,2-Dibromo-3-Chloropropane	0.0867 0.0772	0.0739 0.0793	0.0773	0.0724	0.0722	Ave		0.0770				6.6		15.0			
1,3,5-Trichlorobenzene	1.2560 1.2921	1.2292 1.2913	1.3706	1.3552	1.2690	Ave		1.2948				4.0		15.0			
Hexachlorobutadiene	0.5617 0.4937	0.4716 0.4846	0.5462	0.5336	0.5279	Ave		0.5170				6.6		15.0			
1,2,4-Trichlorobenzene	1.1410 0.9452	0.9612 0.9569	0.9636	0.9470	0.9111	Ave		0.9752				7.7		15.0			
Naphthalene	1.6024 1.2864	1.2646 1.3260	1.1934	1.2132	1.1308	Ave		1.2881				12.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.9078 0.7145	0.6496 0.7134	0.6981	0.7078	0.6586	Ave		0.7214				12.0		15.0			
Dibromofluoromethane	0.2400 0.2266	0.2388 0.2233	0.2352	0.2308	0.2352	Ave		0.2328				2.7		15.0			
Toluene-d8 (Surr)	0.8802 0.8841	0.8961 0.8899	0.8856	0.8890	0.8909	Ave		0.8882				0.5		15.0			
4-Bromofluorobenzene	0.5920 0.5621	0.5941 0.5205	0.5898	0.5880	0.5651	Ave		0.5731				4.6		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0005 360-48701/3	V44790.D
Level 2	STD001 360-48701/4	V44791.D
Level 3	STD005 360-48701/5	V44792.D
Level 4	STD010 360-48701/6	V44793.D
Level 5	STD20 360-48701/2	V44788.D
Level 6	STD040 360-48701/7	V44794.D
Level 7	STD080 360-48701/8	V44795.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	6613 502578	10598 977504	63118	128811	277413	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloromethane	FB	Ave	13500 916122	20333 1788702	116378	238724	494926	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Vinyl chloride	FB	Ave	9169 641231	14220 1256162	81258	167258	349420	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromomethane	FB	Ave	4659 310659	7794 601081	40223	78648	171388	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroethane	FB	Lin2	6253 351097	9026 672103	46870	93571	198496	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	7549 528277	11834 1048831	64561	134764	296832	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethyl ether	FB	Ave	4193 273852	6404 534136	30911	63326	130727	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethanol	FB	Lin1	2999 92162	1701 175605	8889	23233	45571	25.0 2000	50.0 4000	250	500	1000
1,1-Dichloroethene	FB	Ave	5398 330686	7015 661089	42949	83332	181410	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Carbon disulfide	FB	Ave	20131 1393504	30515 2723314	190713	369894	775704	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	2723 187273	4268 367750	24325	47955	103424	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acrolein	12DC E	Ave	25904 1850854	41817 3349829	205802	436173	926931	25.0 2000	50.0 4000	250	500	1000
Isopropyl alcohol	FB	Lin2	10207 576374	17196 1106554	64646	136806	278274	25.0 2000	50.0 4000	250	500	1000
Methylene Chloride	FB	Lin1	13721 379330	14400 727804	55242	98400	200380	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acetone	FB	Lin2	13088 579609	17392 1278043	64713	143437	257117	5.00 400	10.0 800	50.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	FB	Ave	10336 703469	16454 1380645	95508	181051	380818	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl acetate	FB	Lin1	19653 1538081	36950 3024387	195167	351535	758783	5.00 400	10.0 800	50.0	100	200
Hexane	FB	Ave	11256 901861	18666 1775376	112985	226103	486481	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	10690 726412	17244 1387323	88738	175974	352465	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Methyl-2-propanol	12DCE	Ave	2360 177246	4630 333144	20425	41537	87491	5.00 400	10.0 800	50.0	100	200
Isopropyl ether	FB	Ave	29981 2090528	46475 4030318	250990	509076	1040620	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	11854 812137	17921 1615369	102907	202166	425340	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acrylonitrile	FB	Lin1	2485 71720	2037 142124	8466	16239	34950	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	17543 1240271	28665 2362993	156807	306119	614697	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Vinyl acetate	FB	Ave	86693 6336969	133687 12131073	676070	1380348	3153836	5.00 400	10.0 800	50.0	100	200
1,4-Dioxane	12DCE	Qua	+++++ 10096	+++++ 17085	988	2741	4860	+++++ 400	+++++ 800	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	8721 635849	14483 1267553	80079	159080	327991	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	8159 509405	12461 950562	74725	140779	293186	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Cyclohexane	FB	Ave	11363 904173	20559 1716728	121800	241271	500643	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorobromomethane	FB	Ave	2116 144407	3336 289523	17038	33968	72931	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroform	FB	Ave	9544 639408	14429 1288463	80040	152524	322406	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethyl acetate	FB	Ave	24792 2263151	45419 4631392	235349	491638	1048271	5.00 400	10.0 800	50.0	100	200
Carbon tetrachloride	FB	Ave	5463 375914	7927 757679	48230	93476	198141	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	12827 790908	19141 1545716	89814	179584	374479	5.00 400	10.0 800	50.0	100	200
sec-Butyl Alcohol	FB	Ave	12118 1103850	23053 2152306	111074	244906	501984	25.0 2000	50.0 4000	250	500	1000
1,1,1-Trichloroethane	FB	Ave	7856 519536	12540 1023629	68176	131281	283172	0.500 40.0	1.00 80.0	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Butanone (MEK)	FB	Ave	16129 1047269	23199 2093580	105887	236480	491579	5.00 400	10.0 800	50.0	100	200
1,1-Dichloropropene	FB	Ave	7267 520634	11007 1064726	63358	124902	280860	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Heptane	FB	Ave	11018 969521	18406 1925322	119025	239378	529679	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Benzene	FB	Ave	19274 1407044	30433 2858692	172339	346778	747288	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	11480 802225	18038 1566222	95282	193119	394308	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	4909 346119	7912 715154	37354	79837	170539	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-1-pentene	FB	Ave	6352 379338	8721 701991	49740	96730	209340	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isopropyl acetate	FB	Ave	51928 4594317	101483 8911671	531347	1080300	2200123	5.00 400	10.0 800	50.0	100	200
Methylcyclohexane	FB	Ave	7897 645837	14702 1237996	84509	170210	363872	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichloroethene	FB	Ave	3941 328348	7101 677158	37433	77629	169103	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-2-pentene	FB	Ave	2729 195663	4045 393971	24237	47089	105432	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dibromomethane	FB	Ave	1791 125562	2872 256520	14738	28720	62419	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	5066 316433	8031 592597	39984	79841	164993	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dichlorobromomethane	FB	Ave	5066 368193	8284 769426	40935	82755	185450	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	1396 94996	2139 203394	9630	20907	45054	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Propyl acetate	FB	Ave	31447 2806908	58119 5863404	299593	624398	1338334	5.00 400	10.0 800	50.0	100	200
2-Chloroethyl vinyl ether	FB	Lin	4568 400324	6758 906674	35337	77169	177717	5.00 400	10.0 800	50.0	100	200
cis-1,3-Dichloropropene	FB	Ave	5678 432998	8547 912617	48273	97814	221305	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Toluene	FB	Ave	10336 738253	15837 1553625	86910	175791	388083	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	30597 2246234	49694 4087795	241736	516674	1078076	5.00 400	10.0 800	50.0	100	200
Tetrachloroethene	FB	Ave	2540 193906	4186 413998	23372	47111	106416	0.500 40.0	1.00 80.0	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	FB	Ave	4253 314581	6551 666550	34136	70961	158618	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isobutyl acetate	FB	Ave	75250 6429112	141950 11874507	769321	1553104	3101904	5.00 400	10.0 800	50.0	100	200
1,1,2-Trichloroethane	FB	Lin1	2236 137271	2854 284316	15400	29985	66278	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorodibromomethane	FB	Ave	2255 164179	3419 346032	17235	36050	81213	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichloropropane	FB	Ave	4202 305050	6665 641485	33082	67881	149877	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylene Dibromide	FB	Ave	1910 137196	2862 288980	14581	30530	66860	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Butyl acetate	FB	Ave	44554 3584782	82387 7209917	409863	825295	1704702	5.00 400	10.0 800	50.0	100	200
2-Hexanone	FB	Ave	21345 1428419	29063 2865435	137333	320437	668449	5.00 400	10.0 800	50.0	100	200
Chlorobenzene	CBZ	Ave	9205 708518	14727 1509119	80976	164446	360562	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	20676 1413558	31035 2877998	175955	346096	755744	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3014 222021	4910 446761	26214	53450	114747	0.500 40.0	1.00 80.0	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	30532 2194022	48240 4399323	270677	542733	1174641	1.00 80.0	2.00 160	10.0	20.0	40.0
o-Xylene	CBZ	Ave	16590 1197814	26491 2315598	146751	297477	631016	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Styrene	CBZ	Ave	11530 836793	17515 1679316	97693	193796	421136	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromoform	DCB	Ave	1363 93408	2020 185008	10145	21518	47049	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	18706 1444529	30180 2815818	177679	356453	764824	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromobenzene	CBZ	Ave	9341 625196	15045 1180053	78817	159829	325603	0.500 40.0	1.00 80.0	5.00	10.0	20.0
N-Propylbenzene	CBZ	Ave	25305 1787361	40882 3412692	230680	460055	975719	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3076 200765	4698 374711	23962	48915	97095	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Chlorotoluene	CBZ	Ave	16985 1155992	27829 2223583	154727	303424	626613	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3,5-Trimethylbenzene	CBZ	Ave	16026 1146698	25547 2187971	148416	297760	612474	0.500 40.0	1.00 80.0	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichloropropane	CBZ	Lin2	755 41997	1073 80793	5035	9953	20219	0.500 40.0	1.00 80.0	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	CBZ	Lin1	1433 75627	1632 140395	8205	16285	36362	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Chlorotoluene	CBZ	Ave	15421 1040006	23603 1988967	131394	269054	552065	0.500 40.0	1.00 80.0	5.00	10.0	20.0
tert-Butylbenzene	CBZ	Ave	12451 943217	19576 1777426	117503	234954	503011	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trimethylbenzene	CBZ	Ave	17329 1137324	26971 2124712	152226	295161	606154	0.500 40.0	1.00 80.0	5.00	10.0	20.0
sec-Butylbenzene	CBZ	Ave	21485 1557321	34738 2922053	203615	406385	854111	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Isopropyltoluene	CBZ	Ave	16891 1159908	25790 2192884	154060	305895	635879	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichlorobenzene	CBZ	Ave	7984 501043	12223 964032	66461	132068	266488	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	7837 488193	12357 934562	64869	128851	260477	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	18840 1254934	30499 2343201	177857	348841	717594	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	6768 408294	10236 777635	53767	107179	217446	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	339 21402	537 41881	2783	5289	11241	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	4913 358258	8930 681678	49374	99041	197692	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	2197 136882	3426 255841	19675	39000	82229	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	4463 262092	6983 505140	34712	69208	141932	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Naphthalene	DCB	Ave	6268 356684	9187 700019	42988	88664	176157	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	3551 198118	4719 376595	25146	51725	102596	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	123486 121377	114235 125436	113868	115917	135188	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Toluene-d8 (Surr)	FB	Ave	452927 473522	428628 499941	428719	446458	512124	20.0 20.0	20.0 20.0	20.0	20.0	20.0
4-Bromofluorobenzene	CBZ	Ave	182984 184336	173044 181531	169284	177504	196681	20.0 20.0	20.0 20.0	20.0	20.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48701

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	08-Sep-2009 16:02:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	5
Sample ID:	STD20		
Misc. Info.:	360-0001106-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48701	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:38:42	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:13:23
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:15:14
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:38:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.638	1.638	0.000	277413	20.0	M
2 Chloromethane	50	1.819	1.818	0.001	494926	20.5	
3 Vinyl chloride	62	1.922	1.922	0.000	349420	20.6	
4 Bromomethane	94	2.269	2.268	0.001	171388	20.0	
5 Chloroethane	64	2.403	2.397	0.006	198496	21.5	
6 Trichlorofluoromethane	101	2.553	2.547	0.006	296832	19.9	
7 Ethyl ether	59	2.868	2.862	0.006	130727	18.7	
9 Ethanol	45	3.070	3.070	0.000	45571	968.6	
8 1,1-Dichloroethene	96	3.065	3.059	0.006	181410	20.6	
10 Carbon disulfide	76	3.080	3.069	0.011	775704	19.4	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.132	3.126	0.006	103424	19.4	
12 Acrolein	56	3.400	3.395	0.005	926931	867.5	
13 Isopropyl alcohol	45	3.556	3.550	0.006	278274	930.0	
14 Methylene Chloride	84	3.628	3.622	0.006	200380	20.0	
15 Acetone	43	3.685	3.679	0.006	257117	170.2	
16 trans-1,2-Dichloroethene	61	3.778	3.772	0.006	380818	18.8	
17 Methyl acetate	43	3.804	3.804	0.000	758783	181.4	
18 Hexane	57	3.855	3.849	0.006	486481	19.9	
19 Methyl tert-butyl ether	73	3.886	3.875	0.011	352465	17.5	
20 2-Methyl-2-propanol	59	3.974	3.968	0.006	87491	167.4	
21 Isopropyl ether	45	4.227	4.222	0.005	1040620	18.2	
22 1,1-Dichloroethane	63	4.341	4.330	0.011	425340	19.9	
23 Acrylonitrile	53	4.403	4.392	0.011	34950	18.7	
24 Tert-butyl ethyl ether	59	4.553	4.542	0.011	614697	17.9	
25 Vinyl acetate	43	4.568	4.563	0.005	3153836	191.0	
26 cis-1,2-Dichloroethene	61	4.811	4.800	0.011	327991	18.5	
27 2,2-Dichloropropane	77	4.910	4.899	0.011	293186	22.0	
28 Cyclohexane	56	4.977	4.971	0.006	500643	19.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
29 Chlorobromomethane	130	4.982	4.976	0.006	72931	18.3	
30 Chloroform	83	5.044	5.038	0.006	322406	19.2	
31 Ethyl acetate	43	5.158	5.147	0.011	1048271	186.0	
32 Carbon tetrachloride	117	5.163	5.152	0.011	198141	18.9	
33 Tetrahydrofuran	42	5.178	5.172	0.006	374479	186.2	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	501984	917.8	
$ 35 Dibromofluoromethane	113	5.204	5.193	0.011	135188	20.2	
36 1,1,1-Trichloroethane	97	5.225	5.214	0.011	283172	18.9	
37 2-Butanone (MEK)	43	5.318	5.307	0.011	491579	189.0	
38 1,1-Dichloropropene	75	5.328	5.317	0.011	280860	19.6	
39 n-Heptane	43	5.499	5.493	0.006	529679	20.7	
40 Benzene	78	5.540	5.534	0.006	747288	19.2	
41 Tert-amyl methyl ether	73	5.633	5.622	0.011	394308	18.0	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.659	5.648	0.011	27270	20.0	
43 1,2-Dichloroethane	62	5.711	5.705	0.006	170539	18.2	
* 44 Fluorobenzene	96	5.886	5.875	0.011	574848	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.907	5.901	0.006	209340	21.5	
46 Isopropyl acetate	43	5.912	5.901	0.011	2200123	184.4	
47 Methylcyclohexane	83	6.010	5.999	0.011	363872	20.2	
48 Trichloroethene	95	6.015	6.010	0.005	169103	19.4	
49 2,4,4-Trimethyl-2-pentene	112	6.046	6.035	0.011	105432	19.6	
50 Dibromomethane	93	6.362	6.356	0.006	62419	18.2	
51 1,2-Dichloropropane	63	6.444	6.439	0.005	164993	20.4	
52 Dichlorobromomethane	83	6.486	6.480	0.006	185450	18.7	
53 Methyl methacrylate	69	6.610	6.604	0.006	45054	17.7	
54 1,4-Dioxane	88	6.651	6.651	0.000	4860	165.5	
55 n-Propyl acetate	43	6.718	6.712	0.006	1338334	187.4	
56 2-Chloroethyl vinyl ether	63	6.935	6.929	0.006	177717	170.2	
57 cis-1,3-Dichloropropene	75	6.987	6.976	0.011	221305	19.4	
$ 58 Toluene-d8 (Surr)	98	7.132	7.126	0.006	512124	20.1	
59 Toluene	92	7.173	7.162	0.011	388083	19.7	
60 Tetrachloroethene	164	7.462	7.457	0.005	106416	19.9	
61 4-Methyl-2-pentanone (MIBK)	43	7.462	7.457	0.005	1078076	183.6	
62 trans-1,3-Dichloropropene	75	7.488	7.482	0.006	158618	19.0	
63 Isobutyl acetate	43	7.550	7.544	0.006	3101904	184.2	
64 1,1,2-Trichloroethane	83	7.617	7.606	0.011	66278	18.5	
65 Chlorodibromomethane	129	7.752	7.746	0.006	81213	18.8	
66 1,3-Dichloropropane	76	7.829	7.824	0.005	149877	18.4	
67 Ethylene Dibromide	107	7.943	7.937	0.006	66860	18.4	
68 n-Butyl acetate	43	8.021	8.015	0.006	1704702	179.7	
69 2-Hexanone	43	8.103	8.097	0.006	668449	182.7	
* 70 Chlorobenzene-d5	117	8.325	8.320	0.005	348048	20.0	
71 Chlorobenzene	112	8.341	8.335	0.006	360562	19.0	
72 Ethylbenzene	91	8.356	8.351	0.005	755744	20.4	
73 1,1,1,2-Tetrachloroethane	131	8.387	8.382	0.005	114747	19.9	
74 m-Xylene & p-Xylene	91	8.465	8.459	0.006	1174641	38.6	
75 o-Xylene	91	8.796	8.790	0.006	631016	19.1	
76 Styrene	104	8.837	8.831	0.006	421136	18.8	
77 Bromoform	173	8.863	8.857	0.006	47049	18.3	
78 Isopropylbenzene	105	9.039	9.033	0.006	764824	19.5	
$ 80 4-Bromofluorobenzene	95	9.261	9.255	0.006	196681	19.7	
81 Bromobenzene	77	9.349	9.343	0.006	325603	18.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 N-Propylbenzene	91	9.359	9.353	0.006	975719	19.3	
83 1,1,2,2-Tetrachloroethane	83	9.411	9.405	0.006	97095	18.1	
84 2-Chlorotoluene	91	9.483	9.482	0.001	626613	18.8	
85 1,3,5-Trimethylbenzene	105	9.509	9.503	0.006	612474	19.0	
86 1,2,3-Trichloropropane	110	9.524	9.519	0.005	20219	18.7	
87 trans-1,4-Dichloro-2-butene	53	9.555	9.550	0.005	36362	19.7	
88 4-Chlorotoluene	91	9.617	9.612	0.005	552065	18.8	
89 tert-Butylbenzene	119	9.762	9.756	0.006	503011	19.6	
90 1,2,4-Trimethylbenzene	105	9.814	9.808	0.006	606154	18.5	
91 sec-Butylbenzene	105	9.897	9.896	0.000	854111	19.5	
92 4-Isopropyltoluene	119	10.010	10.004	0.006	635879	19.2	
93 1,3-Dichlorobenzene	146	10.077	10.077	0.000	266488	18.2	
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.134	0.000	155780	20.0	
95 1,4-Dichlorobenzene	146	10.150	10.144	0.006	260477	18.8	
96 n-Butylbenzene	91	10.351	10.351	0.000	717594	20.0	
97 1,2-Dichlorobenzene	146	10.506	10.500	0.006	217446	18.7	
98 1,2-Dibromo-3-Chloropropane	157	11.287	11.276	0.011	11241	18.7	
99 1,3,5-Trichlorobenzene	180	11.307	11.307	0.000	197692	19.6	
100 Hexachlorobutadiene	225	12.036	12.030	0.006	82229	20.4	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	141932	18.7	
102 Naphthalene	128	12.553	12.547	0.006	176157	17.6	
103 1,2,3-Trichlorobenzene	180	12.827	12.821	0.006	102596	18.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:38:42 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D

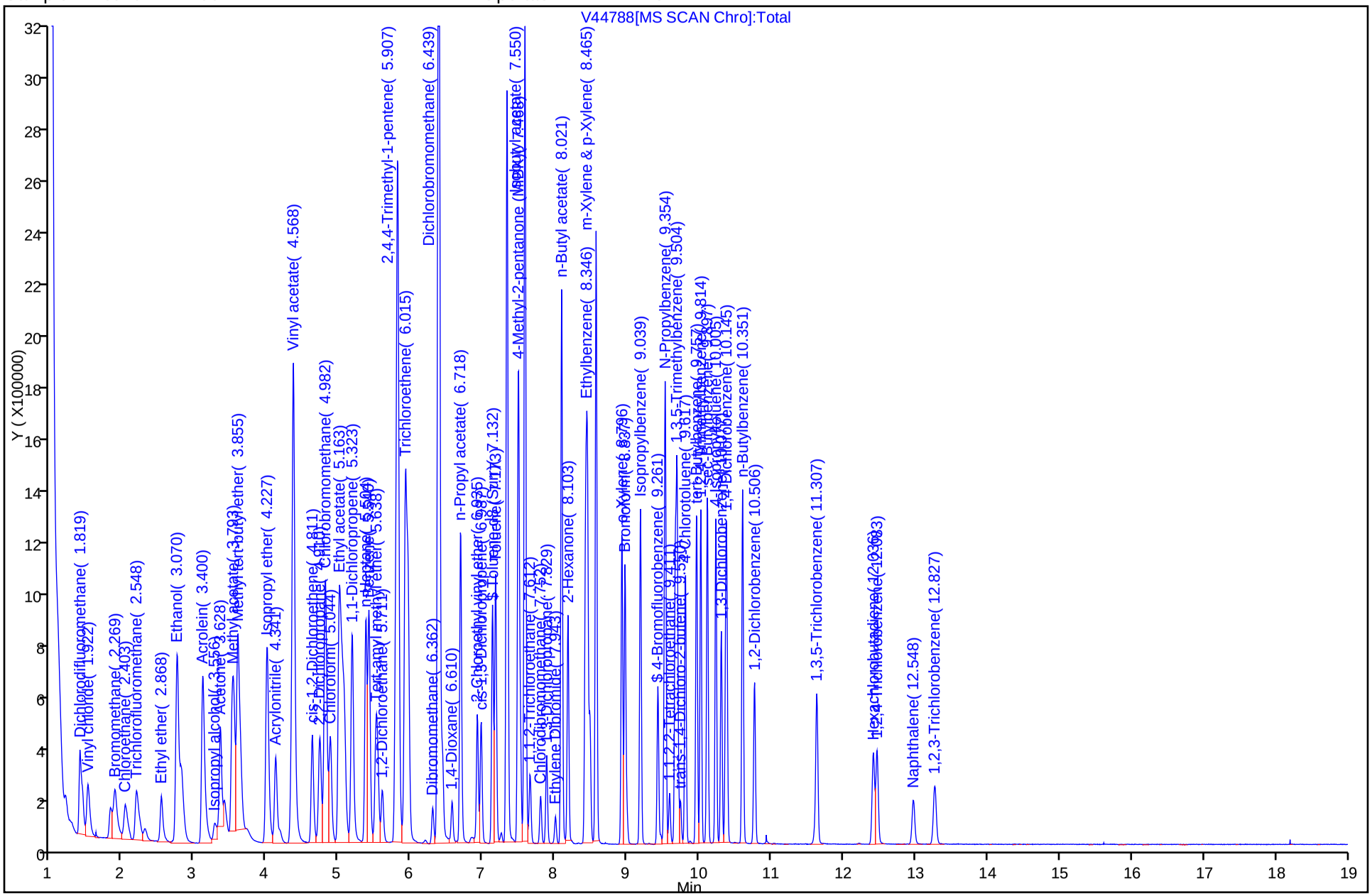
Inj Date: 08-Sep-2009 16:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD20

Sample Amount: 1.00 Operator: CR



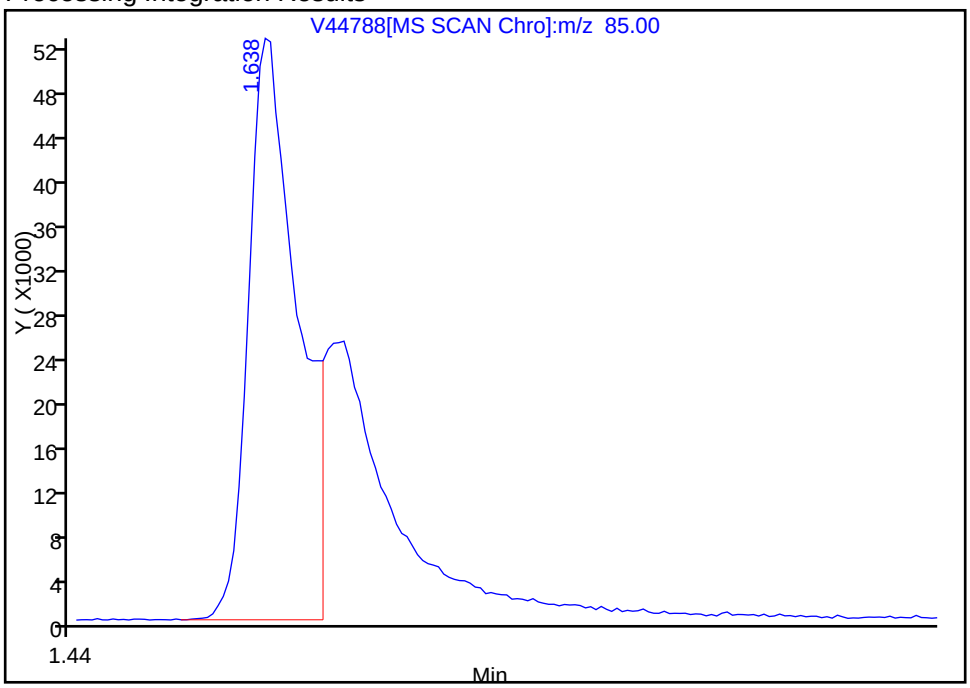
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D		
Inj Date:	08-Sep-2009 16:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD20		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

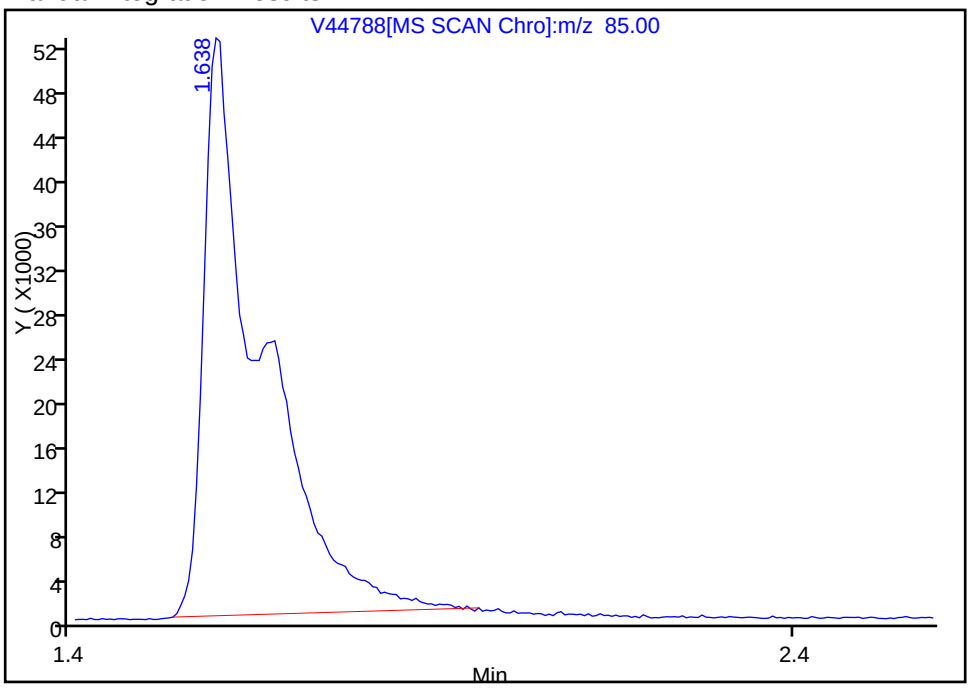
Processing Integration Results

RT: 1.64
Response: 178862
Amount: 21.016597



Manual Integration Results

RT: 1.64
Response: 277413
Amount: 19.998027



Reviewer: rouleauc, 09-Sep-2009 10:13:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Lims ID:	STD0005	Client ID:	
Inject. Date:	08-Sep-2009 16:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD0005		
Misc. Info.:	360-0001106-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48701	Lims Sample ID:	3
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:25:02	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:25:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.637	1.637	0.000	6613	0.5325	M
2 Chloromethane	50	1.818	1.818	0.000	13500	0.5808	
3 Vinyl chloride	62	1.911	1.922	-0.011	9169	0.5656	
4 Bromomethane	94	2.273	2.268	0.005	4659	0.5790	
5 Chloroethane	64	2.402	2.397	0.005	6253	0.5146	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	7549	0.5661	
7 Ethyl ether	59	2.867	2.862	0.005	4193	0.6261	
9 Ethanol	45	3.002	3.002	0.000	2999	44.1	M
8 1,1-Dichloroethene	96	3.058	3.059	-0.001	5398	0.6335	
10 Carbon disulfide	76	3.079	3.069	0.010	20131	0.5616	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	2723	0.5697	
12 Acrolein	56	3.405	3.395	0.010	25904	29.9	
13 Isopropyl alcohol	45	3.554	3.550	0.004	10207	23.7	
14 Methylene Chloride	84	3.627	3.622	0.005	13721	0.5188	
15 Acetone	43	3.689	3.679	0.010	13088	5.16	
16 trans-1,2-Dichloroethene	61	3.777	3.772	0.005	10336	0.5698	
17 Methyl acetate	43	3.803	3.803	0.000	19653	5.25	M
18 Hexane	57	3.854	3.849	0.005	11256	0.5132	
19 Methyl tert-butyl ether	73	3.885	3.875	0.010	10690	0.5942	
20 2-Methyl-2-propanol	59	3.983	3.968	0.015	2360	5.56	
21 Isopropyl ether	45	4.226	4.222	0.004	29981	0.5855	
22 1,1-Dichloroethane	63	4.335	4.330	0.005	11854	0.5818	
23 Acrylonitrile	53	4.392	4.392	0.000	2485	0.7601	
24 Tert-butyl ethyl ether	59	4.547	4.542	0.005	17543	0.5712	
25 Vinyl acetate	43	4.567	4.563	0.004	86693	5.87	
26 cis-1,2-Dichloroethene	61	4.805	4.800	0.005	8721	0.5509	
27 2,2-Dichloropropane	77	4.908	4.899	0.009	8159	0.5932	
28 Cyclohexane	56	4.981	4.971	0.010	11363	0.4995	
29 Chlorobromomethane	130	4.981	4.976	0.005	2116	0.5932	
30 Chloroform	83	5.043	5.038	0.005	9544	0.5976	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.157	5.147	0.010	24792	4.91	
32 Carbon tetrachloride	117	5.162	5.152	0.010	5463	0.5807	
33 Tetrahydrofuran	42	5.188	5.172	0.016	12827	6.54	
34 sec-Butyl Alcohol	45	5.193	5.183	0.010	12118	24.7	
$ 35 Dibromofluoromethane	113	5.198	5.193	0.005	123486	20.6	
36 1,1,1-Trichloroethane	97	5.224	5.214	0.010	7856	0.5849	
37 2-Butanone (MEK)	43	5.322	5.307	0.015	16129	6.45	
38 1,1-Dichloropropene	75	5.322	5.317	0.005	7267	0.5658	
39 n-Heptane	43	5.498	5.493	0.005	11018	0.4799	
40 Benzene	78	5.539	5.534	0.005	19274	0.5542	
41 Tert-amyl methyl ether	73	5.632	5.622	0.010	11480	0.5855	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.658	5.648	0.010	22139	20.0	
43 1,2-Dichloroethane	62	5.715	5.705	0.010	4909	0.5865	
* 44 Fluorobenzene	96	5.880	5.875	0.005	514582	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	6352	0.6436	
46 Isopropyl acetate	43	5.911	5.901	0.010	51928	4.86	
47 Methylcyclohexane	83	6.004	5.999	0.005	7897	0.4892	
48 Trichloroethene	95	6.014	6.010	0.004	3941	0.5049	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	2729	0.5666	
50 Dibromomethane	93	6.355	6.356	-0.001	1791	0.5833	
51 1,2-Dichloropropane	63	6.438	6.439	-0.001	5066	0.6197	
52 Dichlorobromomethane	83	6.485	6.480	0.005	5066	0.5703	
53 Methyl methacrylate	69	6.614	6.604	0.010	1396	0.6142	
54 1,4-Dioxane	88		6.647				1
55 n-Propyl acetate	43	6.717	6.712	0.005	31447	4.92	
56 2-Chloroethyl vinyl ether	63	6.934	6.929	0.005	4568	5.35	
57 cis-1,3-Dichloropropene	75	6.986	6.976	0.010	5678	0.5552	
$ 58 Toluene-d8 (Surr)	98	7.131	7.126	0.005	452927	19.8	
59 Toluene	92	7.167	7.162	0.005	10336	0.5693	
60 Tetrachloroethene	164	7.461	7.457	0.004	2540	0.5301	
61 4-Methyl-2-pentanone (MIBK)	43	7.461	7.457	0.004	30597	5.82	
62 trans-1,3-Dichloropropene	75	7.492	7.482	0.010	4253	0.5685	
63 Isobutyl acetate	43	7.544	7.544	0.000	75250	4.99	
64 1,1,2-Trichloroethane	83	7.611	7.606	0.005	2236	0.6687	
65 Chlorodibromomethane	129	7.751	7.746	0.005	2255	0.5828	
66 1,3-Dichloropropane	76	7.828	7.824	0.004	4202	0.5774	
67 Ethylene Dibromide	107	7.942	7.937	0.005	1910	0.5884	
68 n-Butyl acetate	43	8.020	8.015	0.005	44554	5.25	
69 2-Hexanone	43	8.102	8.097	0.005	21345	6.41	
* 70 Chlorobenzene-d5	117	8.324	8.320	0.004	309082	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	9205	0.5473	
72 Ethylbenzene	91	8.350	8.351	-0.001	20676	0.5875	
73 1,1,1,2-Tetrachloroethane	131	8.392	8.382	0.010	3014	0.5606	
74 m-Xylene & p-Xylene	91	8.464	8.459	0.005	30532	1.13	
75 o-Xylene	91	8.795	8.790	0.005	16590	0.5658	
76 Styrene	104	8.836	8.831	0.005	11530	0.5784	
77 Bromoform	173	8.857	8.857	0.000	1363	0.5564	
78 Isopropylbenzene	105	9.038	9.033	0.005	18706	0.5380	
$ 80 4-Bromofluorobenzene	95	9.260	9.255	0.005	182984	20.7	
81 Bromobenzene	77	9.342	9.343	-0.001	9341	0.5931	
82 N-Propylbenzene	91	9.358	9.353	0.005	25305	0.5641	
83 1,1,2,2-Tetrachloroethane	83	9.410	9.405	0.005	3076	0.5705	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	16985	0.5728	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	16026	0.5607	
86 1,2,3-Trichloropropane	110	9.523	9.519	0.004	755	0.5151	
87 trans-1,4-Dichloro-2-butene	53	9.549	9.550	-0.001	1433	0.5833	
88 4-Chlorotoluene	91	9.611	9.612	-0.001	15421	0.5906	
89 tert-Butylbenzene	119	9.756	9.756	0.000	12451	0.5472	
90 1,2,4-Trimethylbenzene	105	9.813	9.808	0.005	17329	0.5960	
91 sec-Butylbenzene	105	9.895	9.896	-0.001	21485	0.5524	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	16891	0.5754	
93 1,3-Dichlorobenzene	146	10.076	10.077	-0.001	7984	0.6135	
* 94 1,4-Dichlorobenzene-d4	152	10.133	10.134	-0.001	156462	20.0	
95 1,4-Dichlorobenzene	146	10.149	10.144	0.005	7837	0.5623	
96 n-Butylbenzene	91	10.350	10.351	-0.001	18840	0.5220	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	6768	0.5801	
98 1,2-Dibromo-3-Chloropropane	157	11.286	11.276	0.010	339	0.5629	
99 1,3,5-Trichlorobenzene	180	11.306	11.307	-0.001	4913	0.4850	
100 Hexachlorobutadiene	225	12.035	12.030	0.005	2197	0.5432	
101 1,2,4-Trichlorobenzene	180	12.087	12.082	0.005	4463	0.5850	
102 Naphthalene	128	12.547	12.547	0.000	6268	0.6220	
103 1,2,3-Trichlorobenzene	180	12.820	12.821	-0.001	3551	0.6292	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:25:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D

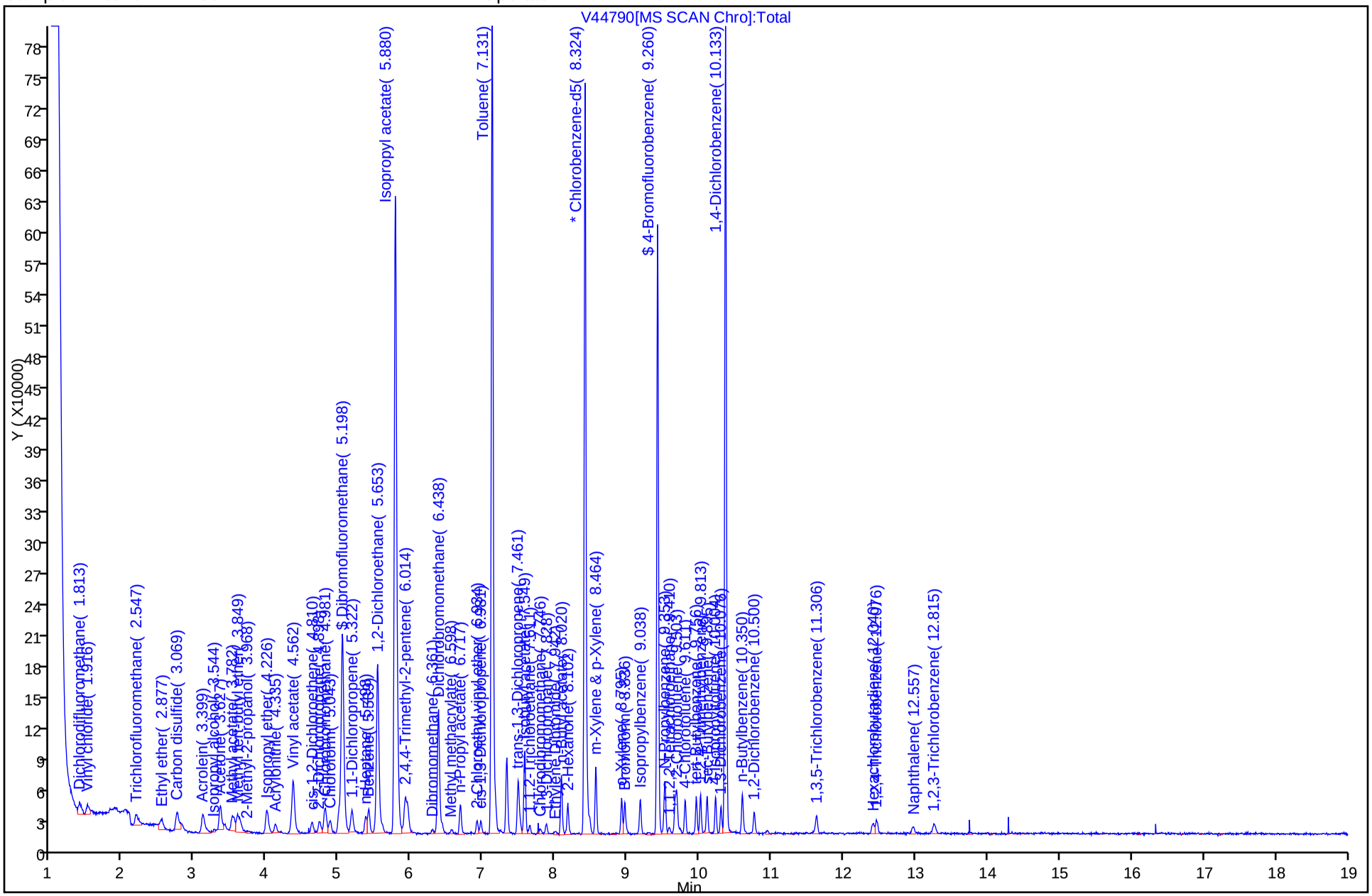
Inj Date: 08-Sep-2009 16:50:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD0005

Sample Amount: 1.00 Operator: CR



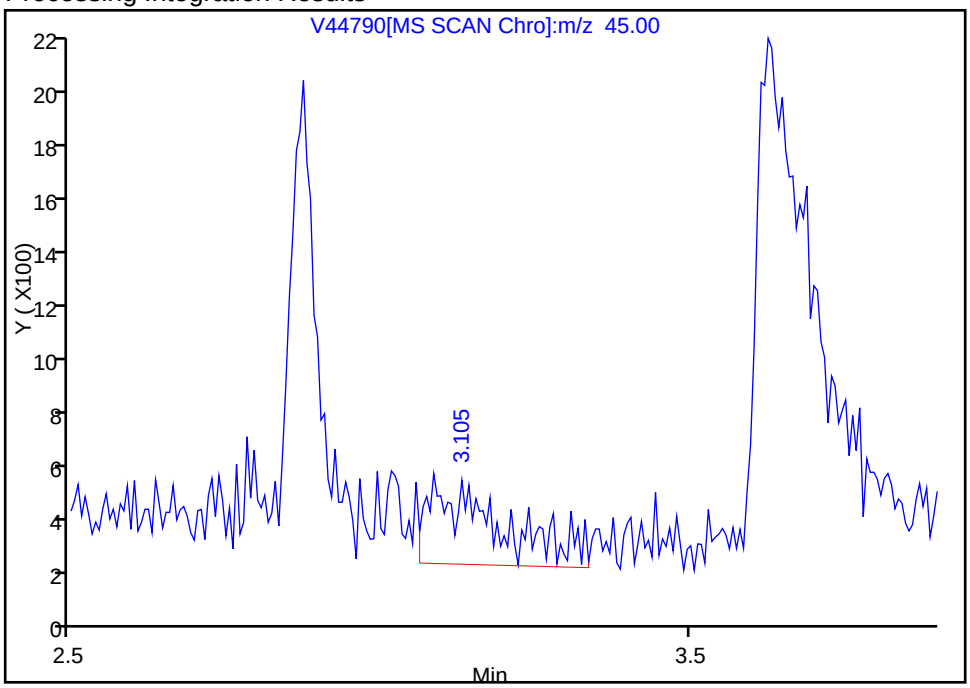
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Inj Date:	08-Sep-2009 16:50:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	3
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD0005		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.00

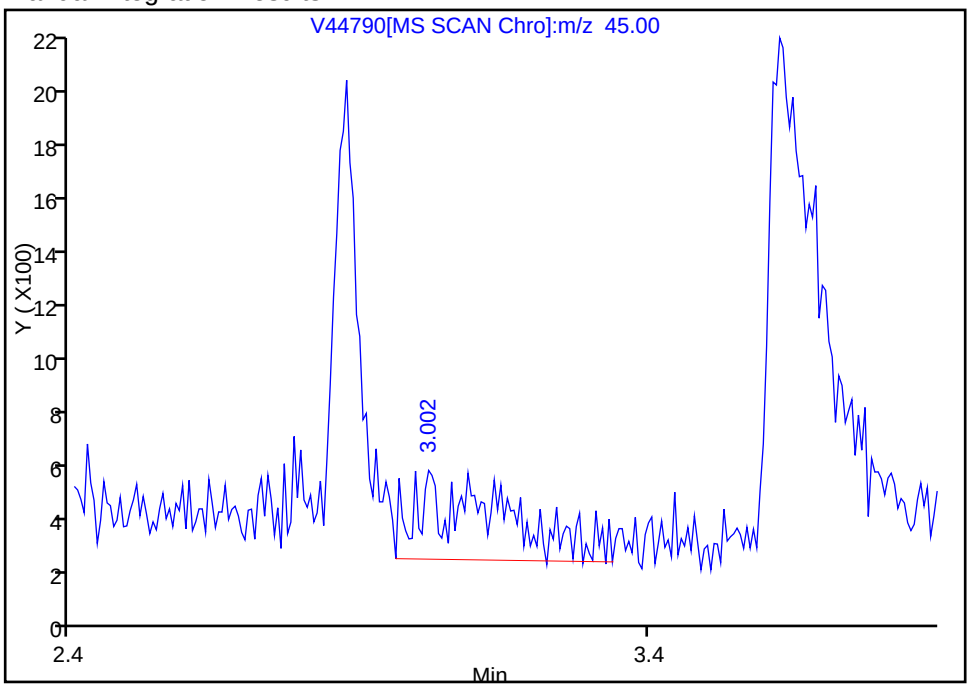
Processing Integration Results

RT: 3.10
Response: 2290
Amount: 37.487628



Manual Integration Results

RT: 3.00
Response: 2999
Amount: 44.087495



Reviewer: rouleauc, 09-Sep-2009 10:25:01
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

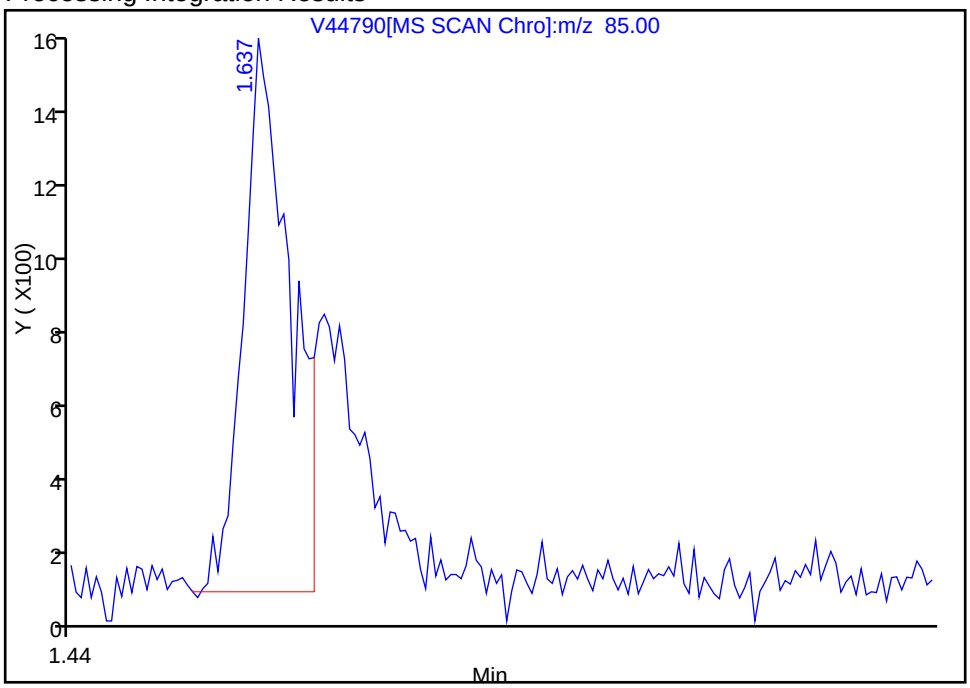
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Inj Date:	08-Sep-2009 16:50:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	3
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD0005		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

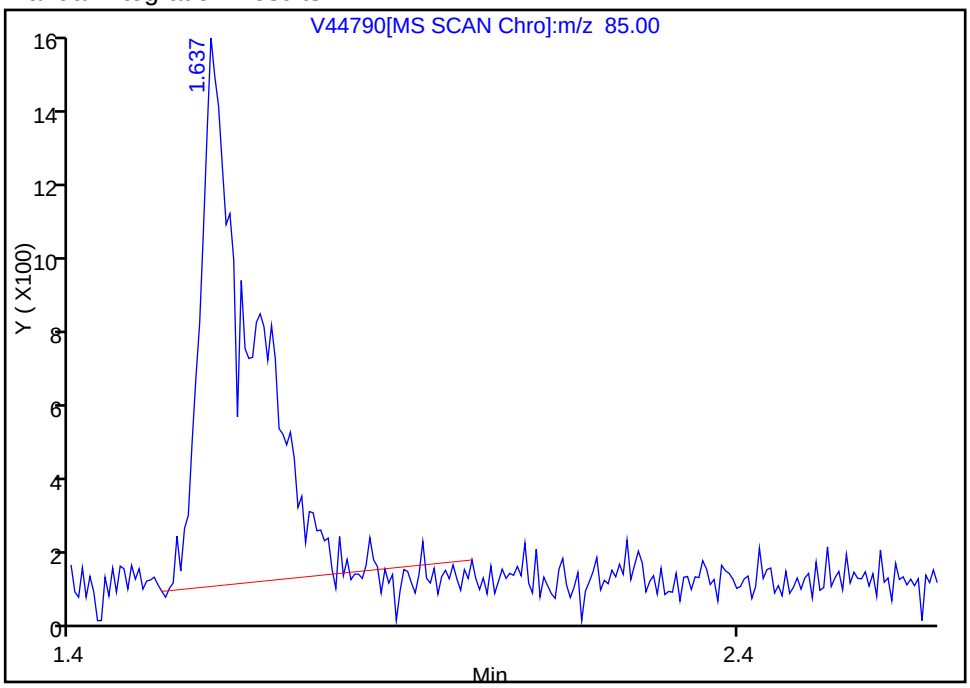
Processing Integration Results

RT: 1.64
Response: 4786
Amount: 0.402330



Manual Integration Results

RT: 1.64
Response: 6613
Amount: 0.532546



Reviewer: rouleauc, 09-Sep-2009 10:25:01
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Lims ID:	STD001	Client ID:	
Inject. Date:	08-Sep-2009 17:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD001		
Misc. Info.:	360-0001106-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	48701	Lims Sample ID:	4
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:23:29	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:23:29

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.633	0.011	10598	0.9584	
2 Chloromethane	50	1.825	1.818	0.007	20333	0.9410	
3 Vinyl chloride	62	1.918	1.922	-0.004	14220	0.9437	
4 Bromomethane	94	2.275	2.268	0.007	7794	1.04	
5 Chloroethane	64	2.399	2.397	0.002	9026	0.9131	
6 Trichlorofluoromethane	101	2.554	2.547	0.007	11834	0.9546	
7 Ethyl ether	59	2.869	2.862	0.007	6404	1.03	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	7015	0.9164	
10 Carbon disulfide	76	3.076	3.069	0.007	30515	0.9144	
9 Ethanol	45	3.003	3.003	0.000	1701	37.2	M
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.126	0.001	4268	0.9605	
12 Acrolein	56	3.401	3.395	0.006	41817	50.4	
13 Isopropyl alcohol	45	3.556	3.550	0.006	17196	55.2	
14 Methylene Chloride	84	3.624	3.622	0.002	14400	0.7264	
15 Acetone	43	3.686	3.679	0.007	17392	9.53	
16 trans-1,2-Dichloroethene	61	3.779	3.772	0.007	16454	0.9745	
17 Methyl acetate	43	3.804	3.804	0.000	36950	7.96	M
18 Hexane	57	3.851	3.849	0.002	18666	0.9138	
19 Methyl tert-butyl ether	73	3.887	3.875	0.012	17244	1.03	
20 2-Methyl-2-propanol	59	3.970	3.968	0.002	4630	11.4	
21 Isopropyl ether	45	4.223	4.222	0.001	46475	0.9730	
22 1,1-Dichloroethane	63	4.337	4.330	0.007	17921	0.9462	
23 Acrylonitrile	53	4.394	4.392	0.002	2037	0.5776	
24 Tert-butyl ethyl ether	59	4.549	4.542	0.007	28665	1.00	
25 Vinyl acetate	43	4.564	4.563	0.001	133687	9.73	
26 cis-1,2-Dichloroethene	61	4.807	4.800	0.007	14483	0.9850	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	12461	0.9700	
28 Cyclohexane	56	4.972	4.971	0.001	20559	0.9660	
29 Chlorobromomethane	130	4.983	4.976	0.007	3336	1.01	
30 Chloroform	83	5.040	5.038	0.002	14429	0.9664	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.153	5.147	0.006	45419	9.72	
32 Carbon tetrachloride	117	5.158	5.152	0.006	7927	0.9092	
33 Tetrahydrofuran	42	5.179	5.172	0.007	19141	10.5	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	23053	50.8	
$ 35 Dibromofluoromethane	113	5.200	5.193	0.007	114235	20.5	
36 1,1,1-Trichloroethane	97	5.226	5.214	0.012	12540	1.01	
37 2-Butanone (MEK)	43	5.313	5.307	0.006	23199	10.1	
38 1,1-Dichloropropene	75	5.324	5.317	0.007	11007	0.9224	
39 n-Heptane	43	5.494	5.493	0.001	18406	0.8604	
40 Benzene	78	5.541	5.534	0.007	30433	0.9414	
41 Tert-amyl methyl ether	73	5.629	5.622	0.007	18038	0.9896	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.655	5.648	0.007	21177	20.0	
43 1,2-Dichloroethane	62	5.711	5.705	0.006	7912	1.02	
* 44 Fluorobenzene	96	5.882	5.875	0.007	478347	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.903	5.901	0.002	8721	0.9581	
46 Isopropyl acetate	43	5.908	5.901	0.007	101483	10.2	
47 Methylcyclohexane	83	6.001	5.999	0.002	14702	0.9756	
48 Trichloroethene	95	6.011	6.010	0.001	7101	0.9411	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	4045	0.9034	
50 Dibromomethane	93	6.352	6.356	-0.004	2872	1.01	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	8031	1.06	
52 Dichlorobromomethane	83	6.481	6.480	0.001	8284	1.01	
53 Methyl methacrylate	69	6.611	6.604	0.007	2139	1.04	
54 1,4-Dioxane	88		6.647				M
55 n-Propyl acetate	43	6.714	6.712	0.002	58119	9.78	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	6758	24.5	
57 cis-1,3-Dichloropropene	75	6.978	6.976	0.002	8547	0.8990	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	428628	20.2	
59 Toluene	92	7.169	7.162	0.007	15837	0.9376	
60 Tetrachloroethene	164	7.463	7.457	0.006	4186	0.9417	
61 4-Methyl-2-pentanone (MIBK)	43	7.463	7.457	0.006	49694	10.1	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	6551	0.9400	
63 Isobutyl acetate	43	7.546	7.544	0.002	141950	10.1	
64 1,1,2-Trichloroethane	83	7.613	7.606	0.007	2854	0.8630	
65 Chlorodibromomethane	129	7.748	7.746	0.002	3419	0.9505	
66 1,3-Dichloropropane	76	7.830	7.824	0.006	6665	0.9852	
67 Ethylene Dibromide	107	7.939	7.937	0.002	2862	0.9499	
68 n-Butyl acetate	43	8.016	8.015	0.001	82387	10.4	
69 2-Hexanone	43	8.099	8.097	0.002	29063	9.39	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	291251	20.0	
71 Chlorobenzene	112	8.337	8.335	0.002	14727	0.9228	
72 Ethylbenzene	91	8.352	8.351	0.001	31035	0.9352	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	4910	0.9702	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	48240	1.89	
75 o-Xylene	91	8.797	8.790	0.007	26491	0.9557	
76 Styrene	104	8.833	8.831	0.002	17515	0.9296	
77 Bromoform	173	8.864	8.857	0.007	2020	0.8879	
78 Isopropylbenzene	105	9.034	9.033	0.001	30180	0.9189	
$ 80 4-Bromofluorobenzene	95	9.257	9.255	0.002	173044	20.7	
81 Bromobenzene	77	9.344	9.343	0.001	15045	1.01	
82 N-Propylbenzene	91	9.355	9.353	0.002	40882	0.9676	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	4698	0.9444	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	27829	0.99	
85 1,3,5-Trimethylbenzene	105	9.505	9.503	0.002	25547	0.9475	
86 1,2,3-Trichloropropane	110	9.525	9.519	0.006	1073	0.9202	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.550	-0.004	1632	0.8226	
88 4-Chlorotoluene	91	9.613	9.612	0.001	23603	0.9630	
89 tert-Butylbenzene	119	9.758	9.756	0.002	19576	0.9138	
90 1,2,4-Trimethylbenzene	105	9.810	9.808	0.002	26971	0.9883	
91 sec-Butylbenzene	105	9.897	9.896	0.001	34738	0.9475	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	25790	0.9349	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	12223	1.00	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.001	145299	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	12357	0.9512	
96 n-Butylbenzene	91	10.352	10.351	0.001	30499	0.9099	
97 1,2-Dichlorobenzene	146	10.507	10.500	0.007	10236	0.9444	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	537	0.9601	
99 1,3,5-Trichlorobenzene	180	11.308	11.307	0.001	8930	0.9493	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	3426	0.9121	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	6983	0.9857	
102 Naphthalene	128	12.548	12.547	0.001	9187	0.9817	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	4719	0.9004	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:23:29 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D

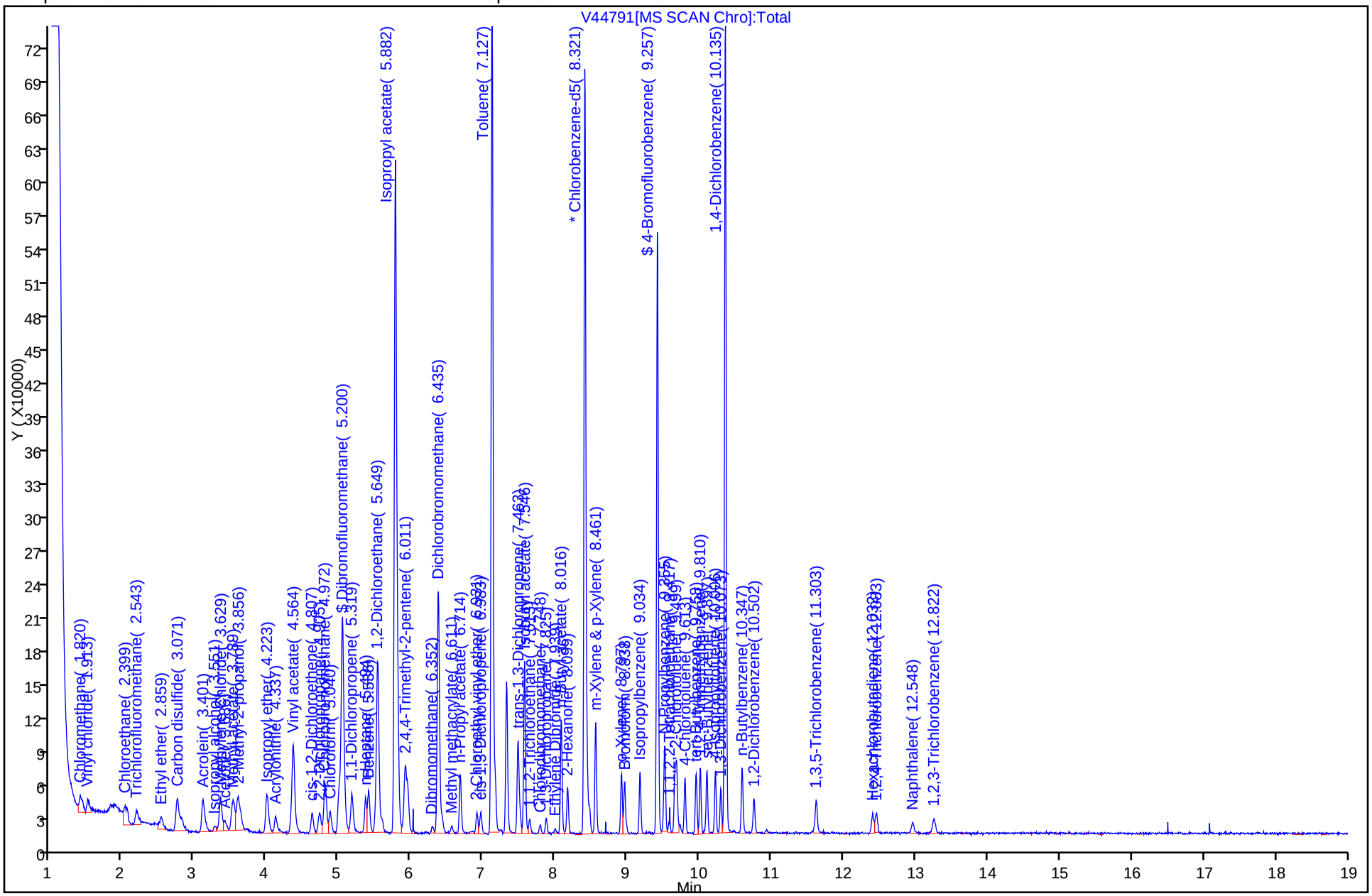
Inj Date: 08-Sep-2009 17:14:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD001

Sample Amount: 1.00 Operator: CR



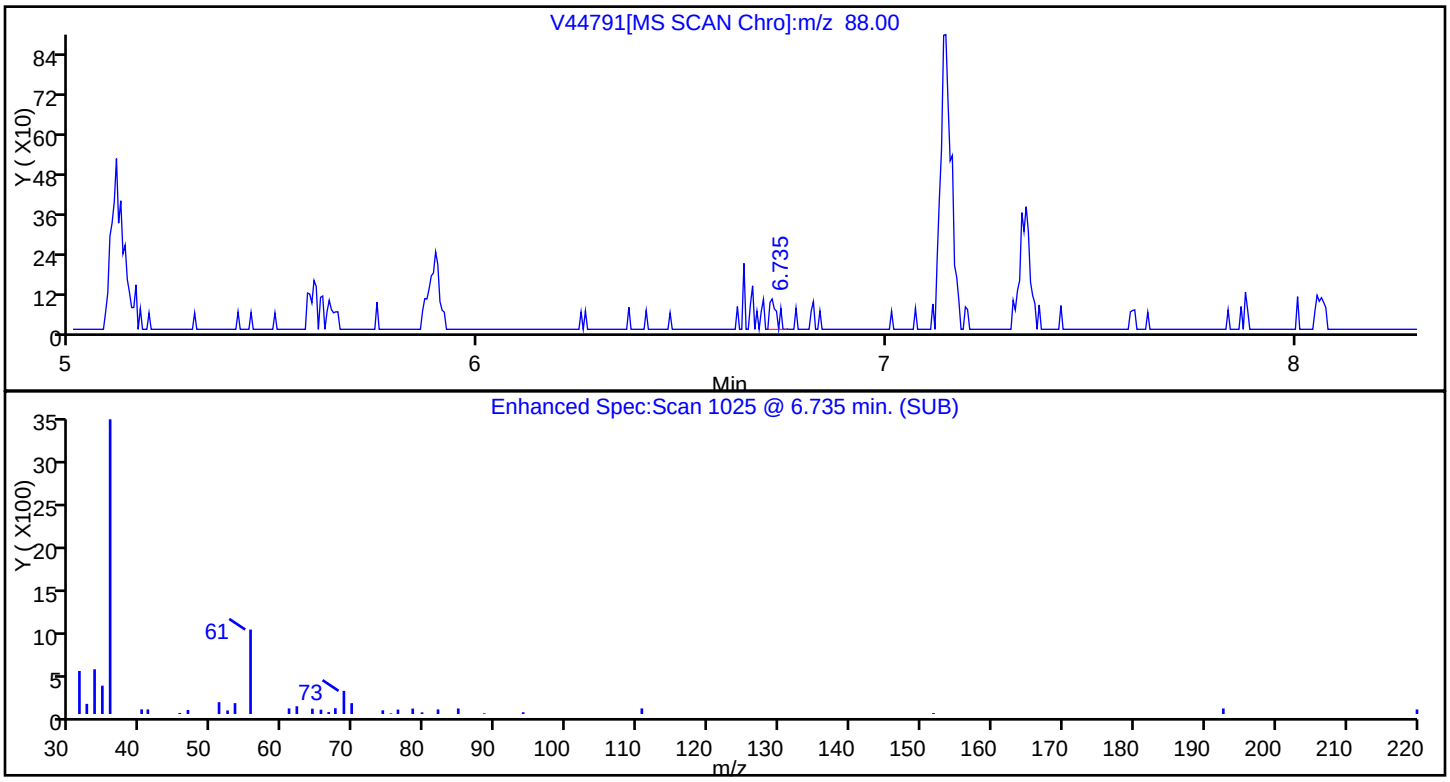
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Inj Date:	08-Sep-2009 17:14:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	4
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD001		
Sample Amount:	1.00	Operator:	CR

54 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
6.73	88.00	110	11.856826
6.72	58.00	404	

Reviewer: rouleauc, 09-Sep-2009 10:23:29
Audit Action: Marked Compound Undetected
Audit Reason:

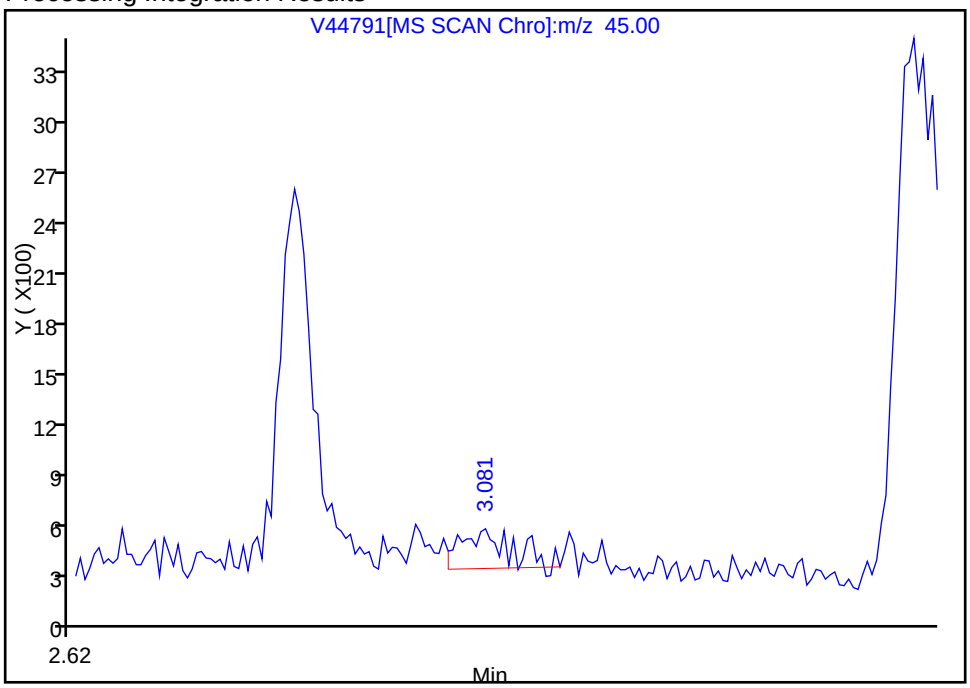
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Inj Date:	08-Sep-2009 17:14:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	4
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD001		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.00

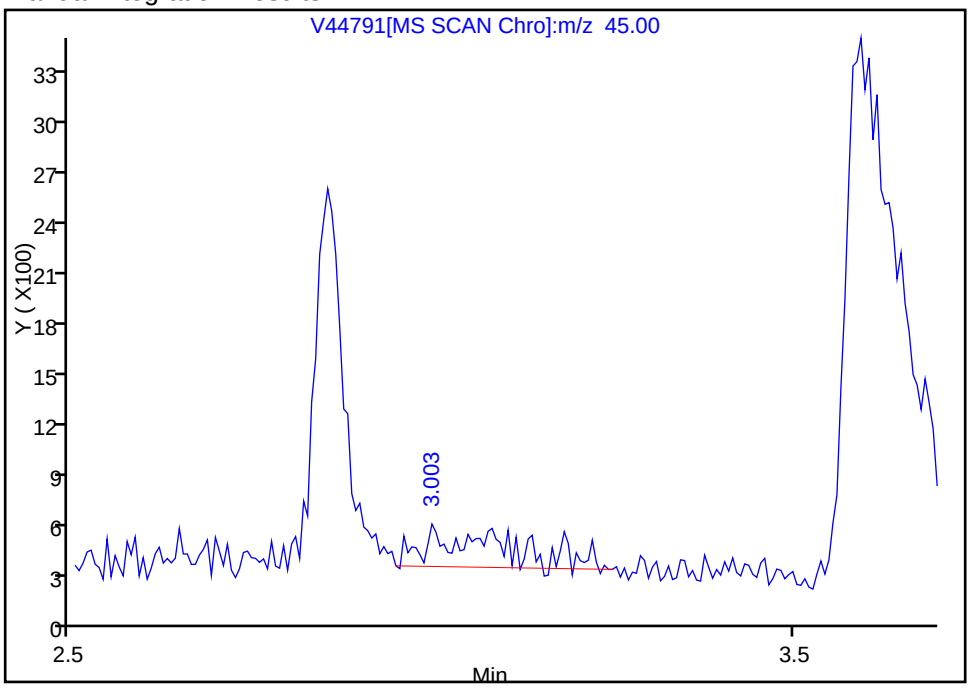
Processing Integration Results

RT: 3.08
Response: 886
Amount: 22.607864



Manual Integration Results

RT: 3.00
Response: 1701
Amount: 37.236398



Reviewer: rouleauc, 09-Sep-2009 10:23:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Lims ID:	STD005	Client ID:	
Inject. Date:	08-Sep-2009 17:38:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD005		
Misc. Info.:	360-0001106-005		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48701	Lims Sample ID:	5
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:20:28	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:20:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.633	1.633	0.000	63118	5.64	M
2 Chloromethane	50	1.814	1.818	-0.004	116378	5.32	
3 Vinyl chloride	62	1.918	1.922	-0.004	81258	5.33	
4 Bromomethane	94	2.264	2.268	-0.004	40223	5.31	
5 Chloroethane	64	2.398	2.397	0.001	46870	5.54	
6 Trichlorofluoromethane	101	2.548	2.547	0.001	64561	5.15	
7 Ethyl ether	59	2.863	2.862	0.001	30911	4.91	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	42949	5.54	
10 Carbon disulfide	76	3.075	3.069	0.006	190713	5.65	
9 Ethanol	45	3.091	3.091	0.000	8889	226.6	M
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.122	3.126	-0.004	24325	5.41	
12 Acrolein	56	3.396	3.395	0.001	205802	255.5	
13 Isopropyl alcohol	45	3.545	3.550	-0.005	64646	245.7	
14 Methylene Chloride	84	3.623	3.622	0.001	55242	5.80	
15 Acetone	43	3.680	3.679	0.001	64713	47.5	
16 trans-1,2-Dichloroethene	61	3.773	3.772	0.001	95508	5.59	
17 Methyl acetate	43	3.794	3.793	0.001	195167	54.0	
18 Hexane	57	3.845	3.849	-0.004	112985	5.47	
19 Methyl tert-butyl ether	73	3.881	3.875	0.006	88738	5.24	
20 2-Methyl-2-propanol	59	3.969	3.968	0.001	20425	51.8	
21 Isopropyl ether	45	4.222	4.222	0.000	250990	5.19	
22 1,1-Dichloroethane	63	4.331	4.330	0.001	102907	5.37	
23 Acrylonitrile	53	4.398	4.392	0.006	8466	4.81	
24 Tert-butyl ethyl ether	59	4.548	4.542	0.006	156807	5.43	
25 Vinyl acetate	43	4.564	4.563	0.001	676070	48.6	
26 cis-1,2-Dichloroethene	61	4.806	4.800	0.006	80079	5.38	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	74725	5.75	
28 Cyclohexane	56	4.972	4.971	0.001	121800	5.66	
29 Chlorobromomethane	130	4.977	4.976	0.001	17038	5.08	
30 Chloroform	83	5.039	5.038	0.001	80040	5.30	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	235349	49.7	
32 Carbon tetrachloride	117	5.153	5.152	0.001	48230	5.47	
33 Tetrahydrofuran	42	5.173	5.172	0.001	89814	48.7	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	111074	241.6	
$ 35 Dibromofluoromethane	113	5.194	5.193	0.001	113868	20.2	
36 1,1,1-Trichloroethane	97	5.220	5.214	0.006	68176	5.45	
37 2-Butanone (MEK)	43	5.313	5.307	0.006	105887	45.6	
38 1,1-Dichloropropene	75	5.318	5.317	0.001	63358	5.25	
39 n-Heptane	43	5.494	5.493	0.001	119025	5.50	
40 Benzene	78	5.535	5.534	0.001	172339	5.27	
41 Tert-amyl methyl ether	73	5.628	5.622	0.006	95282	5.17	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.648	0.006	20557	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	37354	4.74	
* 44 Fluorobenzene	96	5.876	5.875	0.001	484115	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.901	0.001	49740	5.40	
46 Isopropyl acetate	43	5.907	5.901	0.006	531347	52.7	
47 Methylcyclohexane	83	6.000	5.999	0.001	84509	5.54	
48 Trichloroethene	95	6.011	6.010	0.001	37433	4.90	
49 2,4,4-Trimethyl-2-pentene	112	6.042	6.035	0.007	24237	5.35	
50 Dibromomethane	93	6.352	6.356	-0.004	14738	5.13	
51 1,2-Dichloropropane	63	6.439	6.439	0.000	39984	5.19	
52 Dichlorobromomethane	83	6.481	6.480	0.001	40935	4.93	
53 Methyl methacrylate	69	6.605	6.604	0.001	9630	4.60	
54 1,4-Dioxane	88	6.646	6.650	-0.004	988	48.4	
55 n-Propyl acetate	43	6.713	6.712	0.001	299593	49.8	
56 2-Chloroethyl vinyl ether	63	6.930	6.929	0.001	35337	53.5	
57 cis-1,3-Dichloropropene	75	6.982	6.976	0.006	48273	5.02	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	428719	19.9	
59 Toluene	92	7.168	7.162	0.006	86910	5.08	
60 Tetrachloroethene	164	7.458	7.457	0.001	23372	5.20	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	241736	48.8	
62 trans-1,3-Dichloropropene	75	7.483	7.482	0.001	34136	4.84	
63 Isobutyl acetate	43	7.545	7.544	0.001	769321	54.3	
64 1,1,2-Trichloroethane	83	7.613	7.606	0.007	15400	5.01	
65 Chlorodibromomethane	129	7.747	7.746	0.001	17235	4.73	
66 1,3-Dichloropropane	76	7.824	7.824	0.000	33082	4.83	
67 Ethylene Dibromide	107	7.938	7.937	0.001	14581	4.78	
68 n-Butyl acetate	43	8.016	8.015	0.001	409863	51.3	
69 2-Hexanone	43	8.098	8.097	0.001	137333	43.9	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	287038	20.0	
71 Chlorobenzene	112	8.336	8.335	0.001	80976	5.15	
72 Ethylbenzene	91	8.352	8.351	0.001	175955	5.38	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	26214	5.26	
74 m-Xylene & p-Xylene	91	8.460	8.459	0.001	270677	10.8	
75 o-Xylene	91	8.796	8.790	0.006	146751	5.37	
76 Styrene	104	8.832	8.831	0.001	97693	5.26	
77 Bromoform	173	8.858	8.857	0.001	10145	4.50	
78 Isopropylbenzene	105	9.034	9.033	0.001	177679	5.49	
$ 80 4-Bromofluorobenzene	95	9.256	9.255	0.001	169284	20.6	
81 Bromobenzene	77	9.344	9.343	0.001	78817	5.36	
82 N-Propylbenzene	91	9.354	9.353	0.001	230680	5.54	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	23962	4.86	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.483	9.482	0.001	154727	5.59	
85 1,3,5-Trimethylbenzene	105	9.504	9.503	0.001	148416	5.59	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	5035	5.44	
87 trans-1,4-Dichloro-2-butene	53	9.551	9.550	0.001	8205	5.20	
88 4-Chlorotoluene	91	9.613	9.612	0.001	131394	5.44	
89 tert-Butylbenzene	119	9.757	9.756	0.001	117503	5.57	
90 1,2,4-Trimethylbenzene	105	9.809	9.808	0.001	152226	5.66	
91 sec-Butylbenzene	105	9.897	9.896	0.001	203615	5.64	
92 4-Isopropyltoluene	119	10.005	10.004	0.001	154060	5.67	
93 1,3-Dichlorobenzene	146	10.072	10.077	-0.005	66461	5.50	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.000	144090	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	64869	5.04	
96 n-Butylbenzene	91	10.346	10.351	-0.005	177857	5.35	
97 1,2-Dichlorobenzene	146	10.501	10.500	0.001	53767	5.00	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	2783	5.02	
99 1,3,5-Trichlorobenzene	180	11.302	11.307	-0.005	49374	5.29	
100 Hexachlorobutadiene	225	12.031	12.030	0.001	19675	5.28	
101 1,2,4-Trichlorobenzene	180	12.078	12.082	-0.004	34712	4.94	
102 Naphthalene	128	12.548	12.547	0.001	42988	4.63	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	25146	4.84	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:20:28 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D

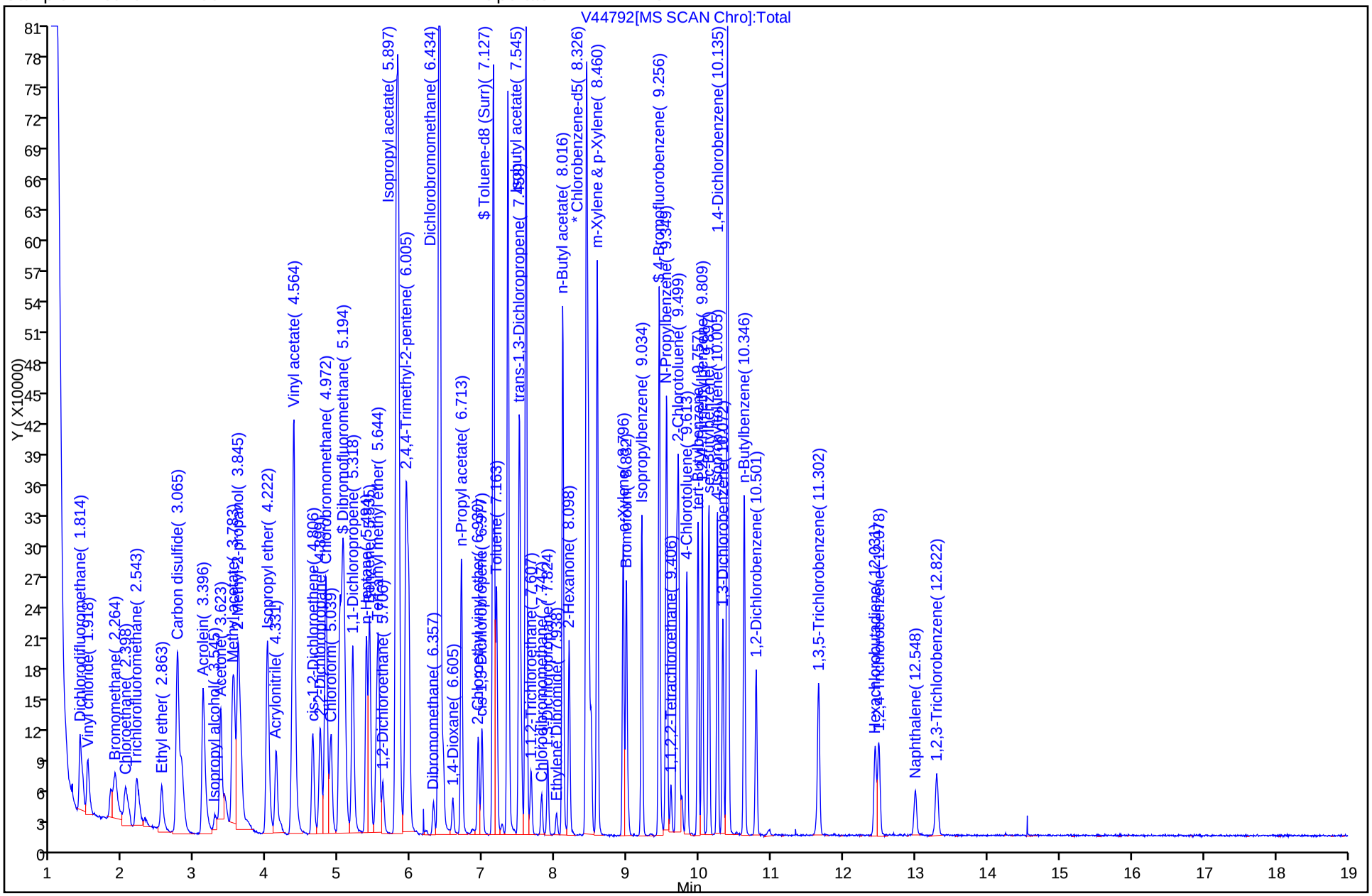
Inj Date: 08-Sep-2009 17:38:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 5

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD005

Sample Amount: 1.00 Operator: CR



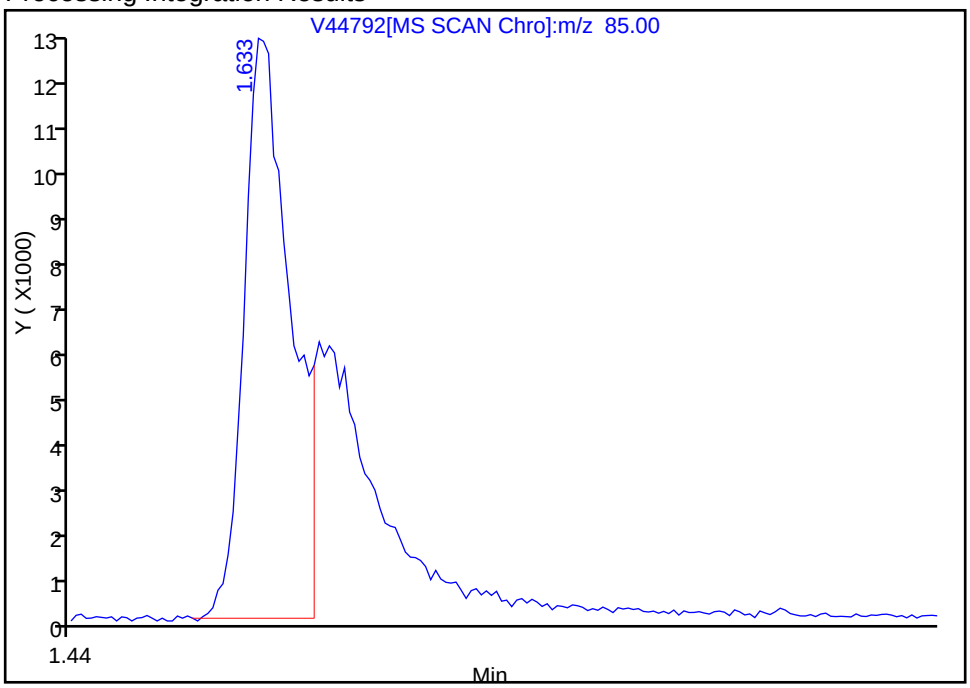
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Inj Date:	08-Sep-2009 17:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	5
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD005		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.63

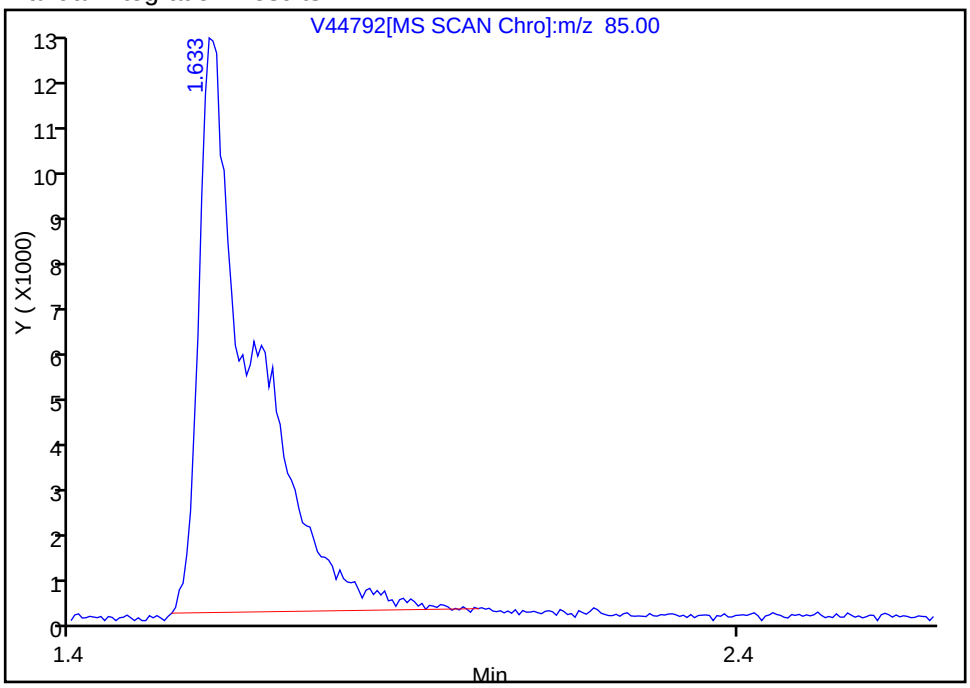
Processing Integration Results

RT: 1.63
Response: 40698
Amount: 3.857331



Manual Integration Results

RT: 1.63
Response: 63118
Amount: 5.639871



Reviewer: rouleauc, 09-Sep-2009 10:20:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

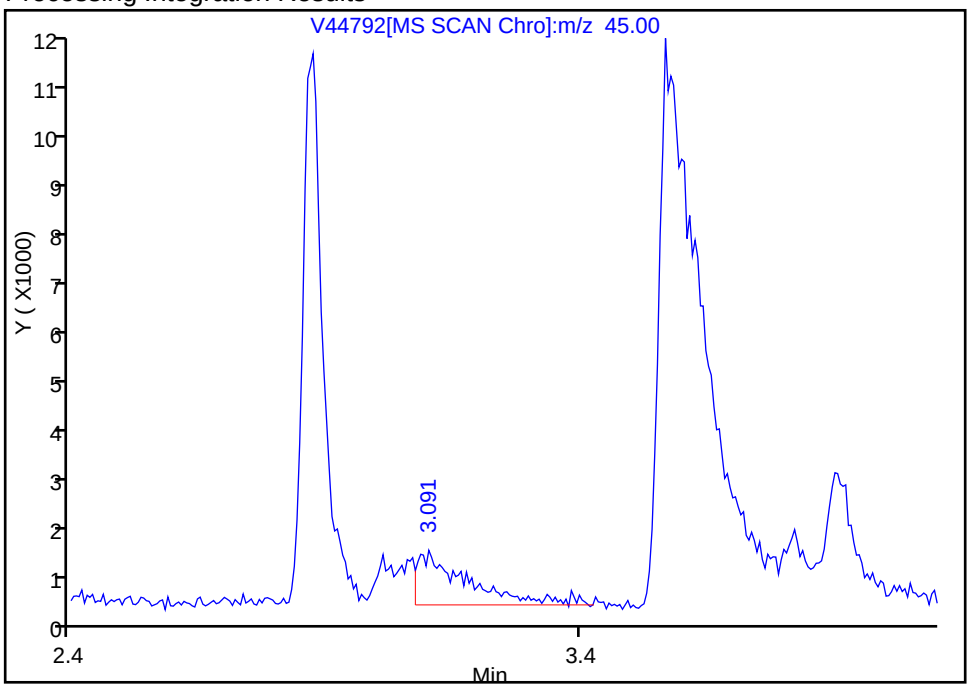
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Inj Date:	08-Sep-2009 17:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	5
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD005		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.09

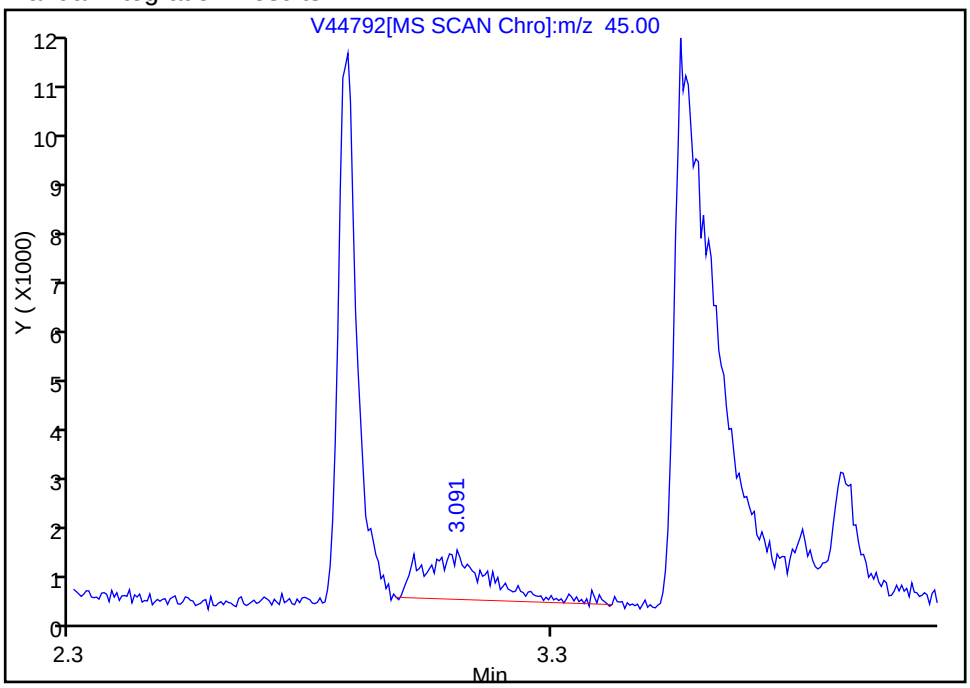
Processing Integration Results

RT: 3.09
Response: 7148
Amount: 185.0839



Manual Integration Results

RT: 3.09
Response: 8889
Amount: 226.5959



Reviewer: rouleauc, 09-Sep-2009 10:20:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D		
Lims ID:	STD010	Client ID:	
Inject. Date:	08-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD010		
Misc. Info.:	360-0001106-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48701	Lims Sample ID:	6
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:19:27	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:19:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	128811	11.8	M
2 Chloromethane	50	1.820	1.818	0.002	238724	10.5	
3 Vinyl chloride	62	1.918	1.922	-0.004	167258	10.6	
4 Bromomethane	94	2.264	2.268	-0.004	78648	10.0	
5 Chloroethane	64	2.399	2.397	0.002	93571	10.8	
6 Trichlorofluoromethane	101	2.544	2.547	-0.003	134764	10.4	
7 Ethyl ether	59	2.869	2.862	0.007	63326	9.69	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	83332	10.4	
10 Carbon disulfide	76	3.076	3.069	0.007	369894	10.6	
9 Ethanol	45	3.076	3.074	0.002	23233	575.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.122	3.126	-0.004	47955	10.3	
12 Acrolein	56	3.396	3.395	0.001	436173	516.2	
13 Isopropyl alcohol	45	3.551	3.550	0.001	136806	516.8	
14 Methylene Chloride	84	3.624	3.622	0.002	98400	10.7	
15 Acetone	43	3.680	3.679	0.001	143437	106.9	
16 trans-1,2-Dichloroethene	61	3.774	3.772	0.002	181051	10.2	
17 Methyl acetate	43	3.799	3.793	0.006	351535	97.8	
18 Hexane	57	3.851	3.849	0.002	226103	10.5	
19 Methyl tert-butyl ether	73	3.882	3.875	0.007	175974	10.0	
20 2-Methyl-2-propanol	59	3.970	3.968	0.002	41537	100.5	
21 Isopropyl ether	45	4.223	4.222	0.001	509076	10.2	
22 1,1-Dichloroethane	63	4.337	4.330	0.007	202166	10.2	
23 Acrylonitrile	53	4.394	4.392	0.002	16239	9.56	
24 Tert-butyl ethyl ether	59	4.544	4.542	0.002	306119	10.2	
25 Vinyl acetate	43	4.564	4.563	0.001	1380348	95.7	
26 cis-1,2-Dichloroethene	61	4.807	4.800	0.007	159080	10.3	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	140779	10.4	
28 Cyclohexane	56	4.972	4.971	0.001	241271	10.8	
29 Chlorobromomethane	130	4.978	4.976	0.002	33968	9.76	
30 Chloroform	83	5.040	5.038	0.002	152524	9.73	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	491638	100.2	
32 Carbon tetrachloride	117	5.159	5.152	0.006	93476	10.2	
33 Tetrahydrofuran	42	5.174	5.172	0.002	179584	93.9	
34 sec-Butyl Alcohol	45	5.184	5.183	0.001	244906	513.6	
$ 35 Dibromofluoromethane	113	5.200	5.193	0.007	115917	19.8	
36 1,1,1-Trichloroethane	97	5.221	5.214	0.007	131281	10.1	
37 2-Butanone (MEK)	43	5.314	5.307	0.007	236480	98.1	
38 1,1-Dichloropropene	75	5.324	5.317	0.007	124902	9.97	
39 n-Heptane	43	5.494	5.493	0.001	239378	10.7	
40 Benzene	78	5.536	5.534	0.002	346778	10.2	
41 Tert-amyl methyl ether	73	5.629	5.622	0.007	193119	10.1	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.648	0.001	21566	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	79837	9.77	
* 44 Fluorobenzene	96	5.877	5.875	0.002	502175	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.903	5.901	0.002	96730	10.1	
46 Isopropyl acetate	43	5.903	5.901	0.002	1080300	103.3	
47 Methylcyclohexane	83	6.001	5.999	0.002	170210	10.8	
48 Trichloroethene	95	6.011	6.010	0.001	77629	9.80	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	47089	10.0	
50 Dibromomethane	93	6.357	6.356	0.001	28720	9.63	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	79841	10.0	
52 Dichlorobromomethane	83	6.481	6.480	0.001	82755	9.62	
53 Methyl methacrylate	69	6.606	6.604	0.002	20907	9.64	
54 1,4-Dioxane	88	6.657	6.650	0.007	2741	118.1	
55 n-Propyl acetate	43	6.714	6.712	0.002	624398	100.1	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	77169	93.4	
57 cis-1,3-Dichloropropene	75	6.978	6.976	0.002	97814	9.80	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	446458	20.0	
59 Toluene	92	7.164	7.162	0.002	175791	9.91	
60 Tetrachloroethene	164	7.458	7.457	0.001	47111	10.1	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	516674	100.5	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	70961	9.70	
63 Isobutyl acetate	43	7.541	7.544	-0.003	1553104	105.6	
64 1,1,2-Trichloroethane	83	7.608	7.606	0.002	29985	9.49	
65 Chlorodibromomethane	129	7.748	7.746	0.002	36050	9.55	
66 1,3-Dichloropropane	76	7.825	7.824	0.001	67881	9.56	
67 Ethylene Dibromide	107	7.939	7.937	0.002	30530	9.65	
68 n-Butyl acetate	43	8.016	8.015	0.001	825295	99.6	
69 2-Hexanone	43	8.099	8.097	0.002	320437	98.6	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	301885	20.0	
71 Chlorobenzene	112	8.337	8.335	0.002	164446	9.94	
72 Ethylbenzene	91	8.347	8.351	-0.004	346096	10.1	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.382	-0.004	53450	10.2	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	542733	20.5	
75 o-Xylene	91	8.792	8.790	0.002	297477	10.4	
76 Styrene	104	8.833	8.831	0.002	193796	9.92	
77 Bromoform	173	8.859	8.857	0.002	21518	9.40	
78 Isopropylbenzene	105	9.034	9.033	0.001	356453	10.5	
$ 80 4-Bromofluorobenzene	95	9.257	9.255	0.002	177504	20.5	
81 Bromobenzene	77	9.344	9.343	0.001	159829	10.3	
82 N-Propylbenzene	91	9.355	9.353	0.002	460055	10.5	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	48915	9.77	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	303424	10.4	
85 1,3,5-Trimethylbenzene	105	9.505	9.503	0.002	297760	10.7	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	9953	10.5	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.550	-0.004	16285	10.0	
88 4-Chlorotoluene	91	9.613	9.612	0.001	269054	10.6	
89 tert-Butylbenzene	119	9.758	9.756	0.002	234954	10.6	
90 1,2,4-Trimethylbenzene	105	9.810	9.808	0.002	295161	10.4	
91 sec-Butylbenzene	105	9.892	9.896	-0.004	406385	10.7	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	305895	10.7	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	132068	10.4	
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.134	-0.004	146164	20.0	
95 1,4-Dichlorobenzene	146	10.146	10.144	0.002	128851	9.86	
96 n-Butylbenzene	91	10.347	10.351	-0.004	348841	10.3	
97 1,2-Dichlorobenzene	146	10.502	10.500	0.002	107179	9.83	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	5289	9.40	
99 1,3,5-Trichlorobenzene	180	11.303	11.307	-0.004	99041	10.5	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	39000	10.3	
101 1,2,4-Trichlorobenzene	180	12.078	12.082	-0.004	69208	9.71	
102 Naphthalene	128	12.549	12.547	0.002	88664	9.42	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	51725	9.81	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:19:27 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D

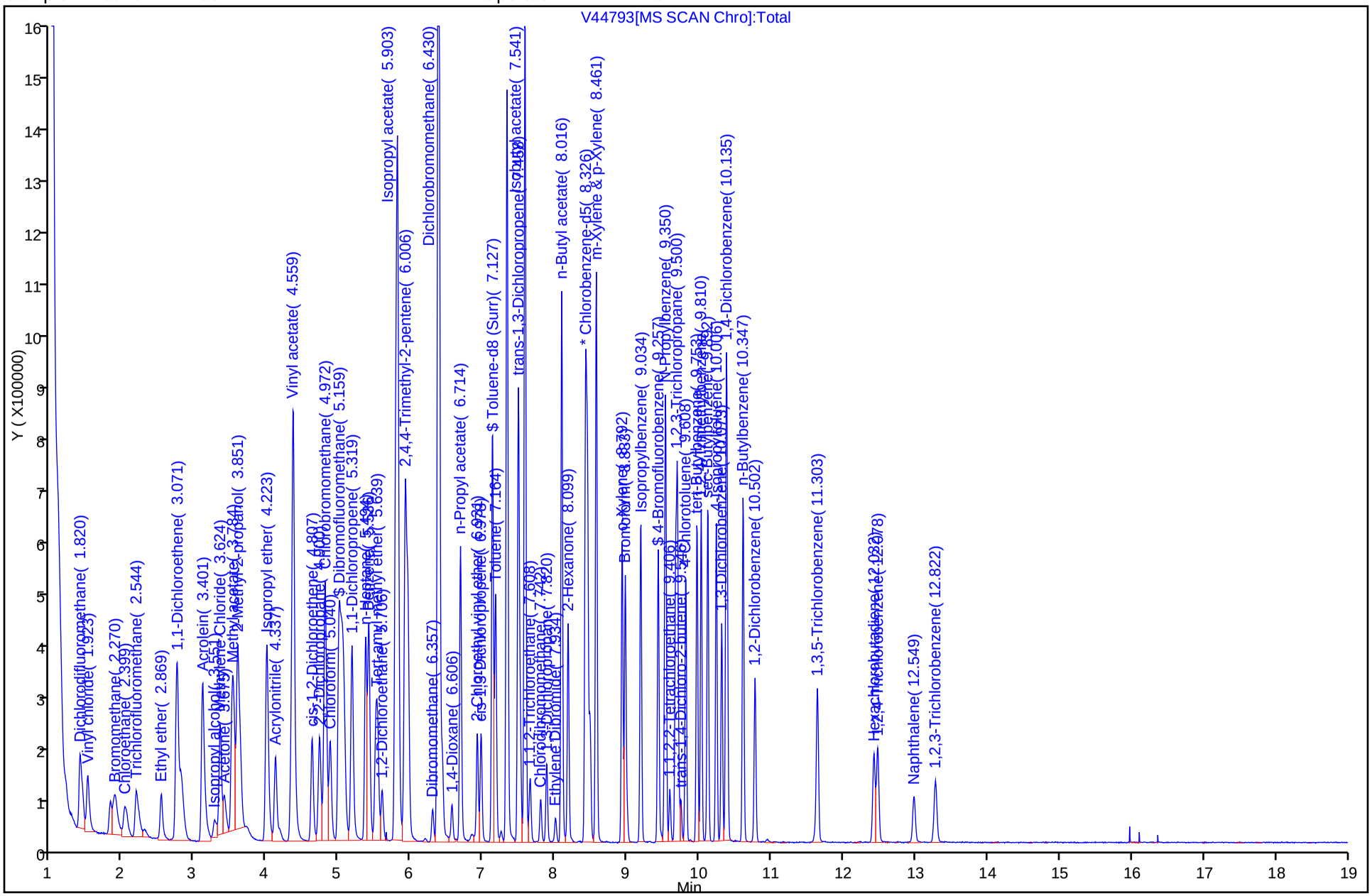
Inj Date: 08-Sep-2009 18:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD010

Sample Amount: 1.00 Operator: CR



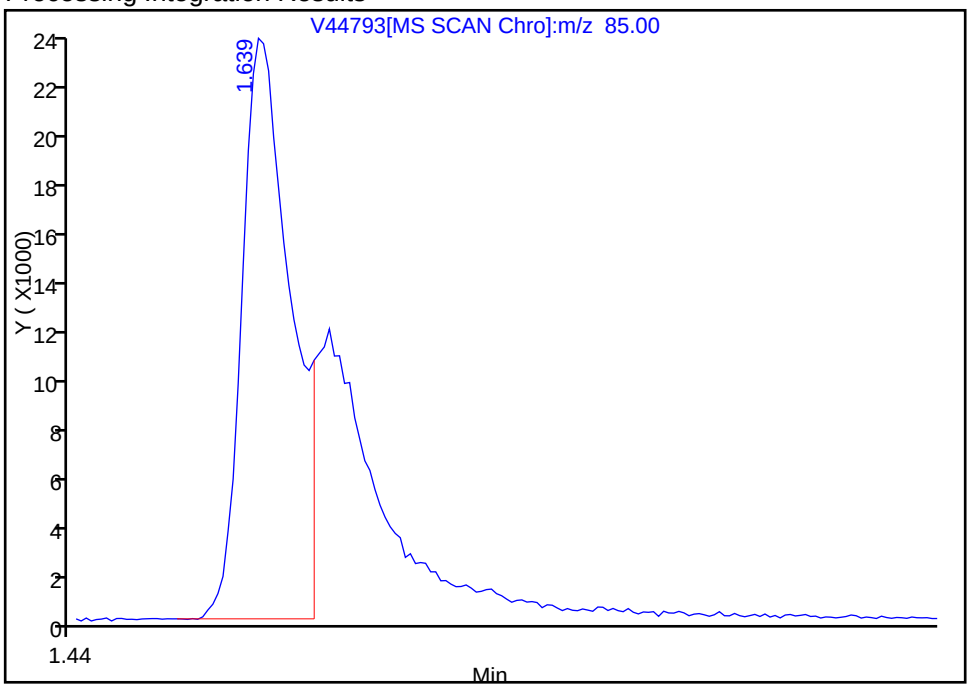
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D		
Inj Date:	08-Sep-2009 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD010		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

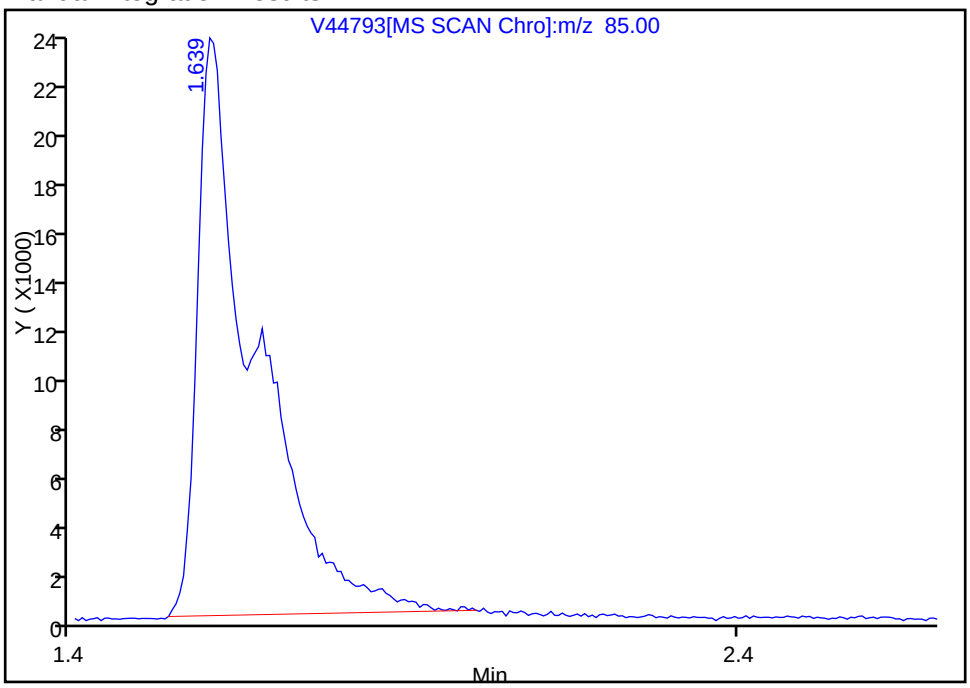
Processing Integration Results

RT: 1.64
Response: 81923
Amount: 7.526957



Manual Integration Results

RT: 1.64
Response: 128811
Amount: 11.769561



Reviewer: rouleauc, 09-Sep-2009 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D		
Lims ID:	STD040	Client ID:	
Inject. Date:	08-Sep-2009 18:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	6
Sample ID:	STD040		
Misc. Info.:	360-0001106-007		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48701	Lims Sample ID:	7
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:17:14	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:17:14

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.643	1.643	0.000	502578	48.5	M
2 Chloromethane	50	1.818	1.818	0.000	916122	37.9	
3 Vinyl chloride	62	1.922	1.922	0.000	641231	38.0	
4 Bromomethane	94	2.268	2.268	0.000	310659	37.1	
5 Chloroethane	64	2.397	2.397	0.000	351097	38.7	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	528277	38.1	
7 Ethyl ether	59	2.862	2.862	0.000	273852	39.3	
8 1,1-Dichloroethene	96	3.059	3.059	0.000	330686	38.6	
10 Carbon disulfide	76	3.069	3.069	0.000	1393504	37.3	
9 Ethanol	45	3.074	3.074	0.000	92162	2135.8	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	187273	37.6	
12 Acrolein	56	3.395	3.395	0.000	1850854	2000.3	
13 Isopropyl alcohol	45	3.550	3.550	0.000	576374	2085.5	
14 Methylene Chloride	84	3.622	3.622	0.000	379330	41.7	
15 Acetone	43	3.679	3.679	0.000	579609	418.0	
16 trans-1,2-Dichloroethene	61	3.772	3.772	0.000	703469	37.2	
17 Methyl acetate	43	3.793	3.793	0.000	1538081	418.4	
18 Hexane	57	3.849	3.849	0.000	901861	39.4	
19 Methyl tert-butyl ether	73	3.875	3.875	0.000	726412	38.8	
20 2-Methyl-2-propanol	59	3.968	3.968	0.000	177246	391.6	
21 Isopropyl ether	45	4.222	4.222	0.000	2090528	39.1	
22 1,1-Dichloroethane	63	4.330	4.330	0.000	812137	38.3	
23 Acrylonitrile	53	4.392	4.392	0.000	71720	42.0	
24 Tert-butyl ethyl ether	59	4.542	4.542	0.000	1240271	38.8	
25 Vinyl acetate	43	4.563	4.563	0.000	6336969	411.9	
26 cis-1,2-Dichloroethene	61	4.800	4.800	0.000	635849	38.6	
27 2,2-Dichloropropane	77	4.899	4.899	0.000	509405	35.4	
28 Cyclohexane	56	4.971	4.971	0.000	904173	37.9	
29 Chlorobromomethane	130	4.976	4.976	0.000	144407	38.9	
30 Chloroform	83	5.038	5.038	0.000	639408	38.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.147	5.147	0.000	2263151	432.4	
32 Carbon tetrachloride	117	5.152	5.152	0.000	375914	38.5	
33 Tetrahydrofuran	42	5.172	5.172	0.000	790908	387.7	
34 sec-Butyl Alcohol	45	5.183	5.183	0.000	1103850	2170.5	
$ 35 Dibromofluoromethane	113	5.193	5.193	0.000	121377	19.5	
36 1,1,1-Trichloroethane	97	5.214	5.214	0.000	519536	37.5	
37 2-Butanone (MEK)	43	5.307	5.307	0.000	1047269	407.2	
38 1,1-Dichloropropene	75	5.317	5.317	0.000	520634	39.0	
39 n-Heptane	43	5.493	5.493	0.000	969521	40.5	
40 Benzene	78	5.534	5.534	0.000	1407044	38.9	
41 Tert-amyl methyl ether	73	5.622	5.622	0.000	802225	39.3	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.648	5.648	0.000	23615	20.0	
43 1,2-Dichloroethane	62	5.705	5.705	0.000	346119	39.7	
* 44 Fluorobenzene	96	5.875	5.875	0.000	535628	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	379338	37.2	
46 Isopropyl acetate	43	5.901	5.901	0.000	4594317	412.0	
47 Methylcyclohexane	83	5.999	5.999	0.000	645837	38.3	
48 Trichloroethene	95	6.010	6.010	0.000	328348	38.9	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	195663	39.0	
50 Dibromomethane	93	6.356	6.356	0.000	125562	39.5	
51 1,2-Dichloropropane	63	6.439	6.439	0.000	316433	37.1	
52 Dichlorobromomethane	83	6.480	6.480	0.000	368193	40.1	
53 Methyl methacrylate	69	6.604	6.604	0.000	94996	41.1	
54 1,4-Dioxane	88	6.650	6.650	0.000	10096	421.7	
55 n-Propyl acetate	43	6.712	6.712	0.000	2806908	421.8	
56 2-Chloroethyl vinyl ether	63	6.929	6.929	0.000	400324	386.6	
57 cis-1,3-Dichloropropene	75	6.976	6.976	0.000	432998	40.7	
$ 58 Toluene-d8 (Surr)	98	7.126	7.126	0.000	473522	19.9	
59 Toluene	92	7.162	7.162	0.000	738253	39.0	
60 Tetrachloroethene	164	7.457	7.457	0.000	193906	39.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.457	7.457	0.000	2246234	409.5	
62 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	314581	40.3	
63 Isobutyl acetate	43	7.544	7.544	0.000	6429112	409.8	
64 1,1,2-Trichloroethane	83	7.606	7.606	0.000	137271	41.0	
65 Chlorodibromomethane	129	7.746	7.746	0.000	164179	40.8	
66 1,3-Dichloropropane	76	7.824	7.824	0.000	305050	40.3	
67 Ethylene Dibromide	107	7.937	7.937	0.000	137196	40.7	
68 n-Butyl acetate	43	8.015	8.015	0.000	3584782	405.6	
69 2-Hexanone	43	8.097	8.097	0.000	1428419	412.2	
* 70 Chlorobenzene-d5	117	8.320	8.320	0.000	327924	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	708518	39.4	
72 Ethylbenzene	91	8.351	8.351	0.000	1413558	37.8	
73 1,1,1,2-Tetrachloroethane	131	8.382	8.382	0.000	222021	39.0	
74 m-Xylene & p-Xylene	91	8.459	8.459	0.000	2194022	76.4	
75 o-Xylene	91	8.790	8.790	0.000	1197814	38.4	
76 Styrene	104	8.831	8.831	0.000	836793	39.4	
77 Bromoform	173	8.857	8.857	0.000	93408	43.0	
78 Isopropylbenzene	105	9.033	9.033	0.000	1444529	39.1	
$ 80 4-Bromofluorobenzene	95	9.255	9.255	0.000	184336	19.6	
81 Bromobenzene	77	9.343	9.343	0.000	625196	37.2	
82 N-Propylbenzene	91	9.353	9.353	0.000	1787361	37.6	
83 1,1,2,2-Tetrachloroethane	83	9.405	9.405	0.000	200765	42.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	1155992	36.6	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	1146698	37.8	
86 1,2,3-Trichloropropane	110	9.519	9.519	0.000	41997	41.5	
87 trans-1,4-Dichloro-2-butene	53	9.550	9.550	0.000	75627	43.7	
88 4-Chlorotoluene	91	9.612	9.612	0.000	1040006	37.7	
89 tert-Butylbenzene	119	9.756	9.756	0.000	943217	39.1	
90 1,2,4-Trimethylbenzene	105	9.808	9.808	0.000	1137324	37.0	
91 sec-Butylbenzene	105	9.896	9.896	0.000	1557321	37.7	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	1159908	37.3	
93 1,3-Dichlorobenzene	146	10.077	10.077	0.000	501043	36.3	
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.134	0.000	138637	20.0	
95 1,4-Dichlorobenzene	146	10.144	10.144	0.000	488193	39.4	
96 n-Butylbenzene	91	10.351	10.351	0.000	1254934	39.2	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	408294	39.5	
98 1,2-Dibromo-3-Chloropropane	157	11.276	11.276	0.000	21402	40.1	
99 1,3,5-Trichlorobenzene	180	11.307	11.307	0.000	358258	39.9	
100 Hexachlorobutadiene	225	12.030	12.030	0.000	136882	38.2	
101 1,2,4-Trichlorobenzene	180	12.082	12.082	0.000	262092	38.8	
102 Naphthalene	128	12.547	12.547	0.000	356684	39.9	
103 1,2,3-Trichlorobenzene	180	12.821	12.821	0.000	198118	39.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:17:15 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D

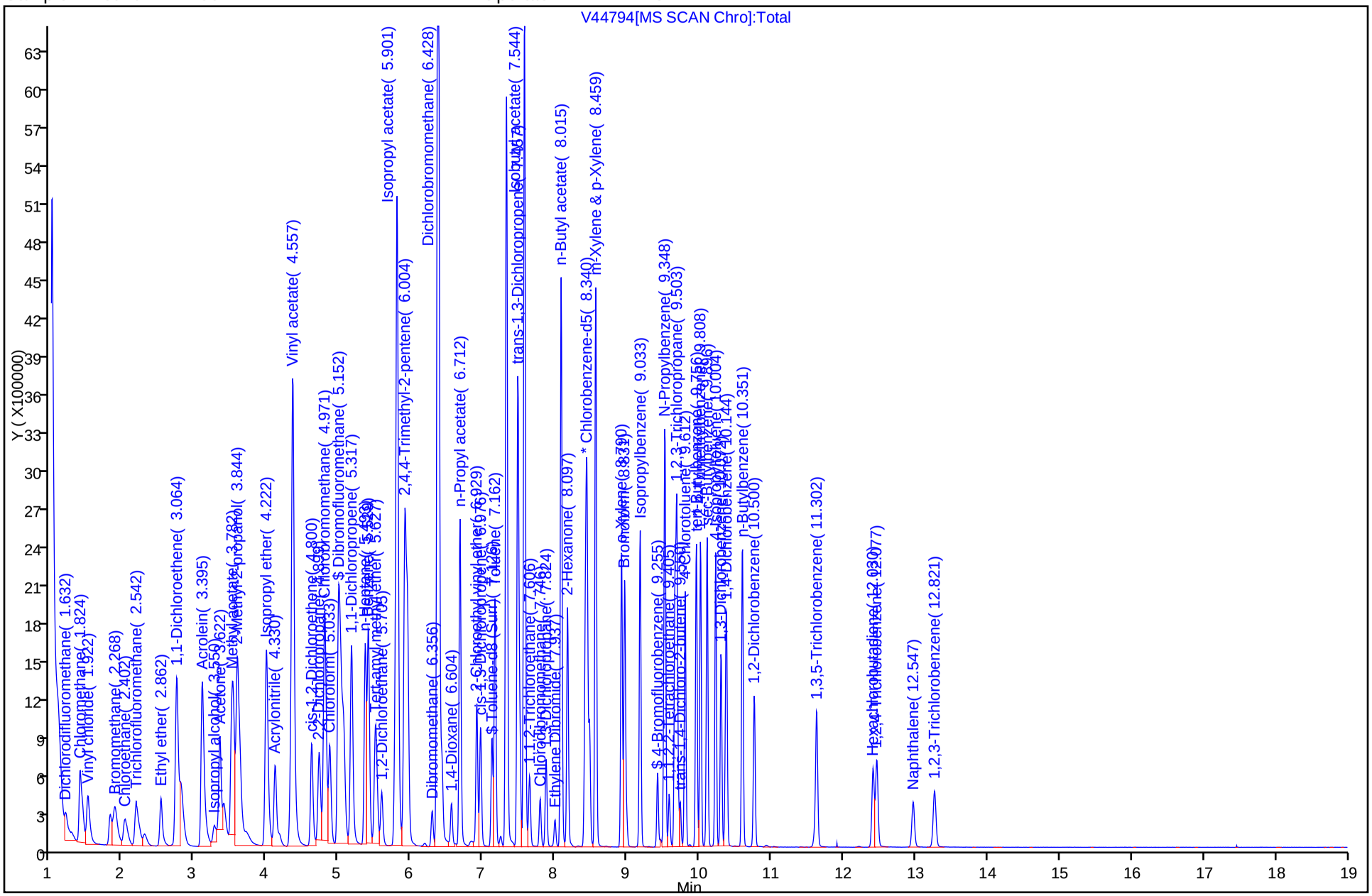
Inj Date: 08-Sep-2009 18:25:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 7

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD040

Sample Amount: 1.00 Operator: CR



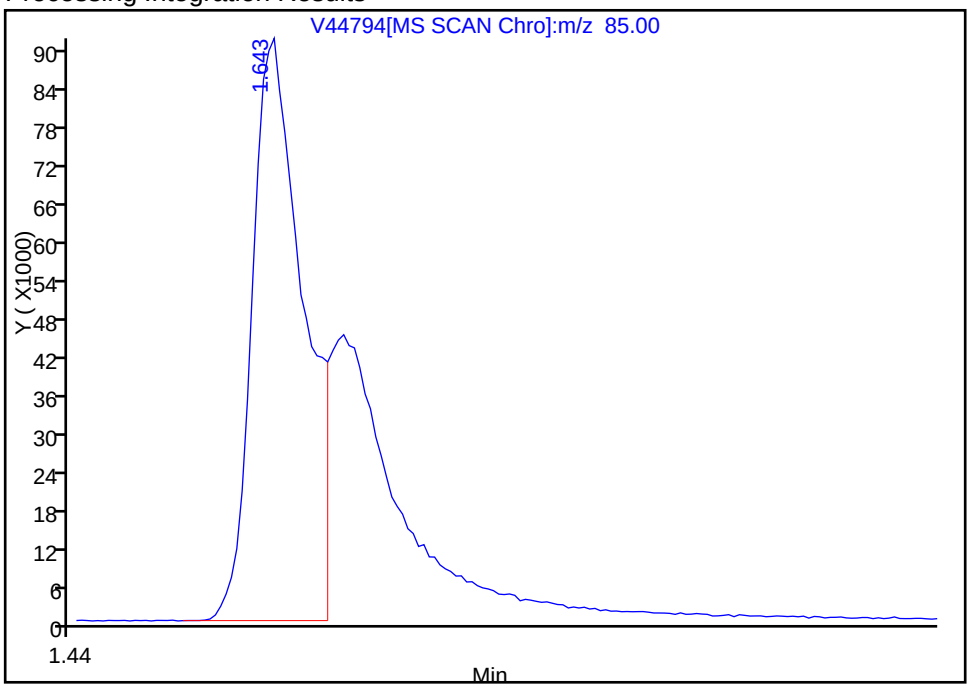
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D		
Inj Date:	08-Sep-2009 18:25:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	7
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD040		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

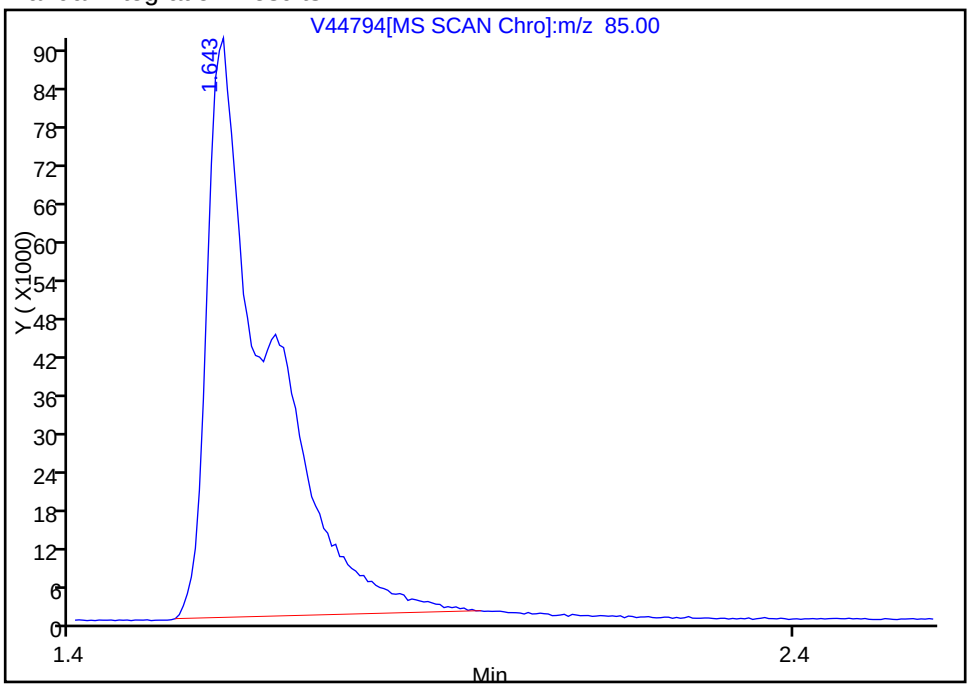
Processing Integration Results

RT: 1.64
Response: 318472
Amount: 32.779495



Manual Integration Results

RT: 1.64
Response: 502578
Amount: 48.450091



Reviewer: rouleauc, 09-Sep-2009 10:17:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Lims ID:	STD080	Client ID:	
Inject. Date:	08-Sep-2009 18:49:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD080		
Misc. Info.:	360-0001106-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	48701	Lims Sample ID:	8
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:18:15	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:18:15

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	977504	78.8	M
2 Chloromethane	50	1.820	1.818	0.002	1788702	70.5	
3 Vinyl chloride	62	1.923	1.922	0.001	1256162	71.0	
4 Bromomethane	94	2.269	2.268	0.001	601081	68.4	
5 Chloroethane	64	2.399	2.397	0.002	672103	70.8	
6 Trichlorofluoromethane	101	2.543	2.547	-0.004	1048831	72.0	
7 Ethyl ether	59	2.859	2.862	-0.003	534136	73.1	
8 1,1-Dichloroethene	96	3.055	3.059	-0.004	661089	73.5	
10 Carbon disulfide	76	3.070	3.069	0.001	2723314	69.5	
9 Ethanol	45	3.076	3.074	0.002	175605	3878.6	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.126	0.001	367750	70.5	
12 Acrolein	56	3.391	3.395	-0.004	3349829	3502.4	
13 Isopropyl alcohol	45	3.551	3.550	0.001	1106554	3830.0	
14 Methylene Chloride	84	3.623	3.622	0.001	727804	77.1	
15 Acetone	43	3.675	3.679	-0.004	1278043	883.9	
16 trans-1,2-Dichloroethene	61	3.768	3.772	-0.004	1380645	69.6	
17 Methyl acetate	43	3.794	3.793	0.001	3024387	789.3	
18 Hexane	57	3.846	3.849	-0.003	1775376	74.0	
19 Methyl tert-butyl ether	73	3.877	3.875	0.002	1387323	70.6	
20 2-Methyl-2-propanol	59	3.975	3.968	0.007	333144	712.0	
21 Isopropyl ether	45	4.223	4.222	0.001	4030318	71.8	
22 1,1-Dichloroethane	63	4.331	4.330	0.001	1615369	72.6	
23 Acrylonitrile	53	4.393	4.392	0.001	142124	80.1	
24 Tert-butyl ethyl ether	59	4.543	4.542	0.001	2362993	70.5	
25 Vinyl acetate	43	4.564	4.563	0.001	12131073	751.8	
26 cis-1,2-Dichloroethene	61	4.802	4.800	0.002	1267553	73.4	
27 2,2-Dichloropropane	77	4.900	4.899	0.001	950562	63.0	
28 Cyclohexane	56	4.972	4.971	0.001	1716728	68.7	
29 Chlorobromomethane	130	4.977	4.976	0.001	289523	74.3	
30 Chloroform	83	5.039	5.038	0.001	1288463	73.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	4631392	843.7	
32 Carbon tetrachloride	117	5.153	5.152	0.001	757679	74.0	
33 Tetrahydrofuran	42	5.169	5.172	-0.003	1545716	722.4	
34 sec-Butyl Alcohol	45	5.184	5.183	0.001	2152306	4035.2	
$ 35 Dibromofluoromethane	113	5.194	5.193	0.001	125436	19.2	
36 1,1,1-Trichloroethane	97	5.215	5.214	0.001	1023629	70.5	
37 2-Butanone (MEK)	43	5.308	5.307	0.001	2093580	776.2	
38 1,1-Dichloropropene	75	5.318	5.317	0.001	1064726	76.0	
39 n-Heptane	43	5.494	5.493	0.001	1925322	76.6	
40 Benzene	78	5.536	5.534	0.002	2858692	75.3	
41 Tert-amyl methyl ether	73	5.623	5.622	0.001	1566222	73.2	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.648	0.001	24410	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	715154	78.3	
* 44 Fluorobenzene	96	5.877	5.875	0.002	561768	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.901	0.001	701991	65.7	
46 Isopropyl acetate	43	5.908	5.901	0.007	8911671	761.9	
47 Methylcyclohexane	83	6.001	5.999	0.002	1237996	70.0	
48 Trichloroethene	95	6.011	6.010	0.001	677158	76.4	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	393971	74.9	
50 Dibromomethane	93	6.352	6.356	-0.004	256520	76.9	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	592597	66.3	
52 Dichlorobromomethane	83	6.481	6.480	0.001	769426	79.9	
53 Methyl methacrylate	69	6.605	6.604	0.001	203394	83.8	
54 1,4-Dioxane	88	6.647	6.650	-0.003	17085	795.2	
55 n-Propyl acetate	43	6.714	6.712	0.002	5863404	840.1	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	906674	814.5	
57 cis-1,3-Dichloropropene	75	6.977	6.976	0.001	912617	81.7	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	499941	20.0	
59 Toluene	92	7.163	7.162	0.001	1553625	78.3	
60 Tetrachloroethene	164	7.458	7.457	0.001	413998	79.3	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	4087795	710.5	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	666550	81.4	
63 Isobutyl acetate	43	7.546	7.544	0.002	11874507	721.6	
64 1,1,2-Trichloroethane	83	7.608	7.606	0.002	284316	81.1	
65 Chlorodibromomethane	129	7.747	7.746	0.001	346032	81.9	
66 1,3-Dichloropropane	76	7.825	7.824	0.001	641485	80.7	
67 Ethylene Dibromide	107	7.939	7.937	0.002	288980	81.7	
68 n-Butyl acetate	43	8.016	8.015	0.001	7209917	777.8	
69 2-Hexanone	43	8.099	8.097	0.002	2865435	788.5	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	348791	20.0	
71 Chlorobenzene	112	8.337	8.335	0.001	1509119	79.0	
72 Ethylbenzene	91	8.352	8.351	0.001	2877998	72.4	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	446761	73.7	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	4399323	144.0	
75 o-Xylene	91	8.796	8.790	0.006	2315598	69.8	
76 Styrene	104	8.833	8.831	0.002	1679316	74.4	
77 Bromoform	173	8.858	8.857	0.001	185008	89.5	
78 Isopropylbenzene	105	9.034	9.033	0.001	2815818	71.6	
$ 80 4-Bromofluorobenzene	95	9.256	9.255	0.001	181531	18.2	
81 Bromobenzene	77	9.344	9.343	0.001	1180053	66.1	
82 N-Propylbenzene	91	9.355	9.353	0.002	3412692	67.4	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	374711	82.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	2223583	66.2	
85 1,3,5-Trimethylbenzene	105	9.504	9.503	0.001	2187971	67.8	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	80793	75.3	
87 trans-1,4-Dichloro-2-butene	53	9.551	9.550	0.001	140395	76.5	
88 4-Chlorotoluene	91	9.613	9.612	0.001	1988967	67.8	
89 tert-Butylbenzene	119	9.758	9.756	0.002	1777426	69.3	
90 1,2,4-Trimethylbenzene	105	9.809	9.808	0.001	2124712	65.0	
91 sec-Butylbenzene	105	9.897	9.896	0.001	2922053	66.6	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	2192884	66.4	
93 1,3-Dichlorobenzene	146	10.078	10.077	0.001	964032	65.7	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.001	131979	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	934562	79.2	
96 n-Butylbenzene	91	10.352	10.351	0.001	2343201	77.0	
97 1,2-Dichlorobenzene	146	10.502	10.500	0.002	777635	79.0	
98 1,2-Dibromo-3-Chloropropane	157	11.282	11.276	0.006	41881	82.4	
99 1,3,5-Trichlorobenzene	180	11.308	11.307	0.001	681678	79.8	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	255841	75.0	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	505140	78.5	
102 Naphthalene	128	12.548	12.547	0.001	700019	82.4	
103 1,2,3-Trichlorobenzene	180	12.827	12.821	0.006	376595	79.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:18:16 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D

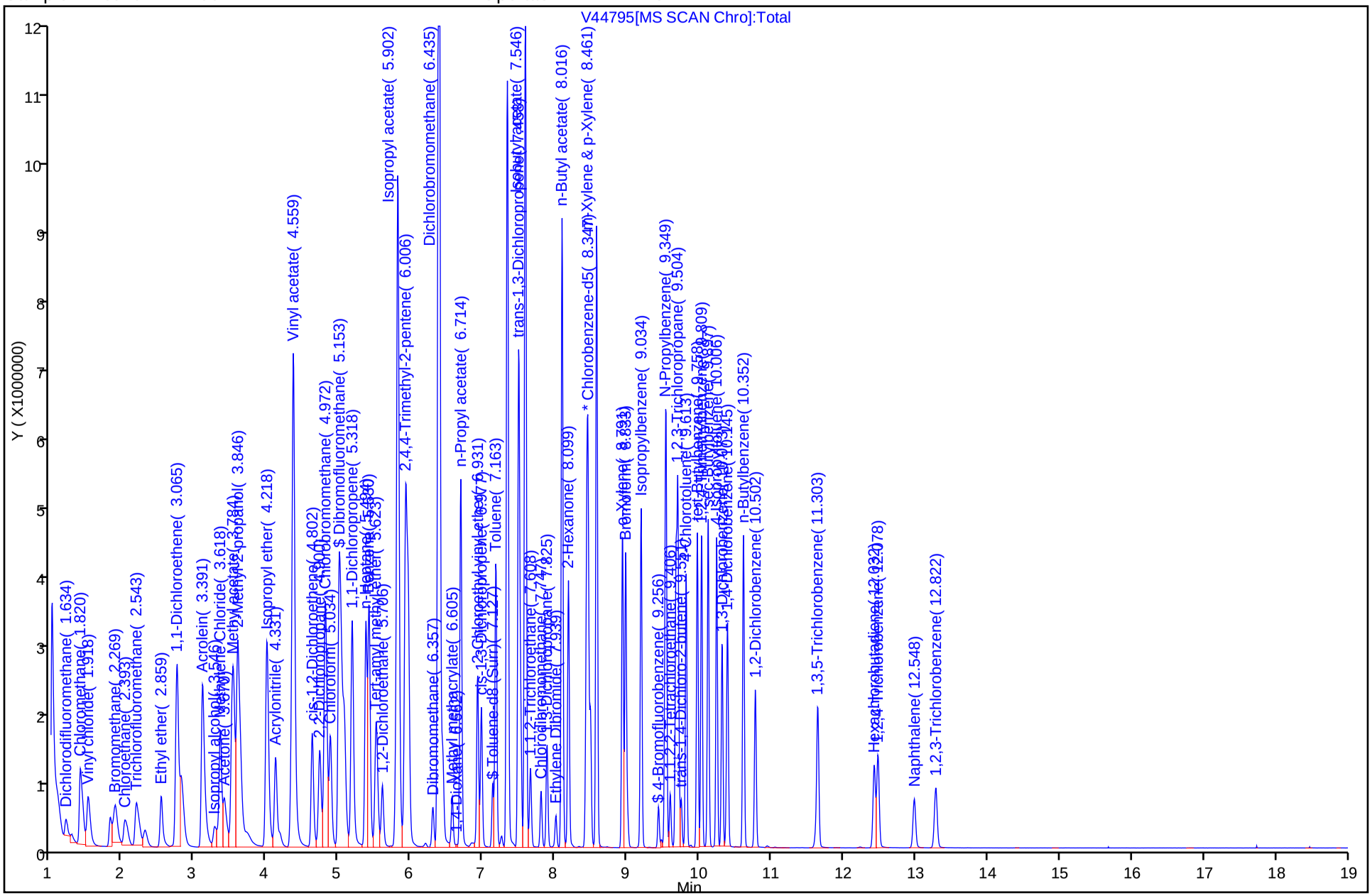
Inj Date: 08-Sep-2009 18:49:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 8

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD080

Sample Amount: 1.00 Operator: CR



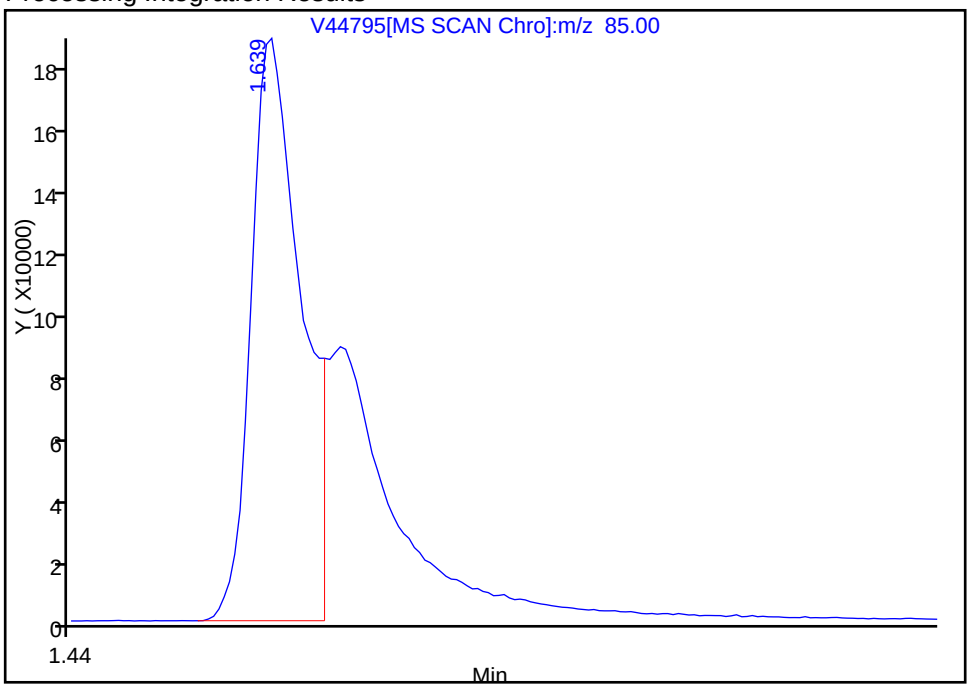
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Inj Date:	08-Sep-2009 18:49:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	8
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD080		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

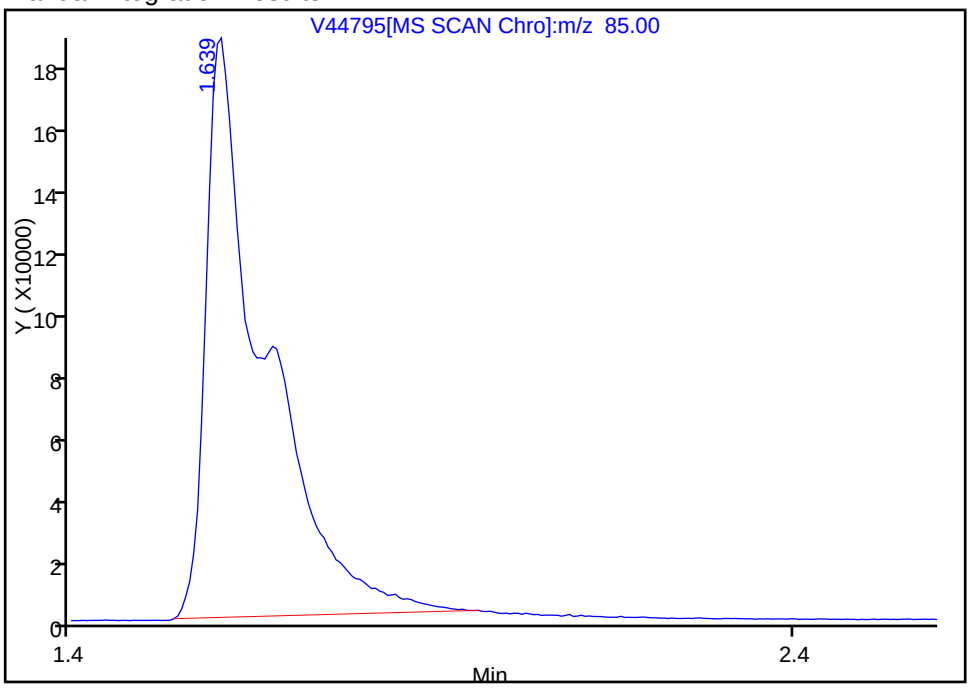
Processing Integration Results

RT: 1.64
Response: 633366
Amount: 58.217311



Manual Integration Results

RT: 1.64
Response: 977504
Amount: 78.774705



Reviewer: rouleauc, 09-Sep-2009 10:18:15
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49119/2 Calibration Date: 09/17/2009 16:26

Instrument ID: Agilent#2 GC/MS Calib Start Date: 09/03/2009 16:54

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/03/2009 20:02

Lab File ID: V06971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3898	0.4603		23.6	20.0	18.1	30.0
Chloromethane	Ave	0.4140	0.3988	0.1000	19.3	20.0	-3.7	30.0
Vinyl chloride	Ave	0.3787	0.3944		20.8	20.0	4.2	20.0
Bromomethane	Ave	0.1613	0.1766		21.9	20.0	9.5	30.0
Chloroethane	Ave	0.1595	0.1607		20.1	20.0	0.7	30.0
Trichlorofluoromethane	Ave	0.4527	0.5746		25.4	20.0	26.9	30.0
Ethyl ether	Ave	0.3046	0.2946		19.3	20.0	-3.3	30.0
1,1-Dichloroethene	Ave	0.3064	0.3145		20.5	20.0	2.6	20.0
Carbon disulfide	Ave	1.098	1.093		19.9	20.0	-0.4	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2123	0.2575		24.3	20.0	21.3	30.0
Acrolein	Ave	1.617	1.382		855	1000	-14.5	30.0
Methylene Chloride	Lin2		0.3868		22.0	20.0	10.2	30.0
Acetone	Lin1		0.1151		169	200	-15.6	30.0
trans-1,2-Dichloroethene	Ave	0.5263	0.5587		21.2	20.0	6.2	30.0
Methyl acetate	Ave	0.4329	0.3200		148	200	-26.1	30.0
Methyl tert-butyl ether	Ave	0.8531	1.010		23.7	20.0	18.3	30.0
2-Methyl-2-propanol	Ave	0.7049	0.5276		150	200	-25.1	30.0
Isopropyl ether	Ave	0.9624	0.9529		19.8	20.0	-1.0	30.0
1,1-Dichloroethane	Ave	0.6410	0.6653	0.1000	20.8	20.0	3.8	30.0
Acrylonitrile	Ave	0.1585	0.1309		16.5	20.0	-17.4	30.0
Tert-butyl ethyl ether	Lin2		0.9978		22.3	20.0	11.3	30.0
Vinyl acetate	Lin2		0.7489		171	200	-14.5	30.0
cis-1,2-Dichloroethene	Ave	0.4730	0.4873		20.6	20.0	3.0	30.0
2,2-Dichloropropane	Ave	0.3101	0.4453		28.7	20.0	43.6*	30.0
Cyclohexane	Lin1		0.5680		20.1	20.0	0.3	30.0
Chlorobromomethane	Ave	0.1974	0.2321		23.5	20.0	17.6	30.0
Chloroform	Ave	0.6349	0.6756		21.3	20.0	6.4	20.0
Carbon tetrachloride	Ave	0.3828	0.4971		26.0	20.0	29.9	30.0
Tetrahydrofuran	Ave	0.1976	0.1500		152	200	-24.1	30.0
1,1,1-Trichloroethane	Ave	0.4622	0.5752		24.9	20.0	24.4	30.0
2-Butanone (MEK)	Ave	0.2409	0.1712		142	200	-28.9	30.0
1,1-Dichloropropene	Ave	0.4383	0.4829		22.0	20.0	10.2	30.0
n-Heptane	Lin1		0.5130		17.6	20.0	-12.2	30.0
Benzene	Ave	1.294	1.403		21.7	20.0	8.4	30.0
Tert-amyl methyl ether	Ave	0.6823	0.8196		24.0	20.0	20.1	30.0
1,2-Dichloroethane	Ave	0.5713	0.5562		19.5	20.0	-2.6	30.0
2,4,4-Trimethyl-1-pentene	Lin2		0.2071		22.7	20.0	13.4	30.0
Methylcyclohexane	Lin2		0.5000		22.8	20.0	14.0	30.0
Trichloroethene	Ave	0.3133	0.3365		21.5	20.0	7.4	30.0
2,4,4-Trimethyl-2-pentene	Lin		0.7393		22.7	20.0	13.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49119/2 Calibration Date: 09/17/2009 16:26

Instrument ID: Agilent#2 GC/MS Calib Start Date: 09/03/2009 16:54

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/03/2009 20:02

Lab File ID: V06971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromomethane	Ave	0.1816	0.1854		20.4	20.0	2.1	30.0
1,2-Dichloropropane	Ave	0.2976	0.3070		20.6	20.0	3.1	20.0
Dichlorobromomethane	Ave	0.3469	0.3704		21.4	20.0	6.8	30.0
Methyl methacrylate	Lin1		0.1636		15.6	20.0	-22.1	30.0
1,4-Dioxane	Lin1		0.0312		121	200	-39.7*	30.0
2-Chloroethyl vinyl ether	Lin2		0.1964		196	200	-2.2	30.0
cis-1,3-Dichloropropene	Ave	0.3674	0.4347		23.7	20.0	18.3	30.0
Toluene	Ave	0.5708	0.6343		22.2	20.0	11.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3857	0.3316		172	200	-14.0	30.0
Tetrachloroethene	Ave	0.1781	0.2282		25.6	20.0	28.1	30.0
trans-1,3-Dichloropropene	Ave	0.3552	0.4294		24.2	20.0	20.9	30.0
1,1,2-Trichloroethane	Ave	0.2297	0.2395		20.9	20.0	4.3	30.0
Chlorodibromomethane	Ave	0.2217	0.2596		23.4	20.0	17.1	30.0
1,3-Dichloropropane	Ave	0.3827	0.4019		21.0	20.0	5.0	30.0
Ethylene Dibromide	Ave	0.2212	0.2420		21.9	20.0	9.4	30.0
2-Hexanone	Ave	0.2849	0.2376		167	200	-16.6	30.0
Chlorobenzene	Ave	1.197	1.287	0.3000	21.5	20.0	7.5	30.0
Ethylbenzene	Ave	2.095	2.258		21.6	20.0	7.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4000	0.4565		22.8	20.0	14.1	30.0
m-Xylene & p-Xylene	Lin2		1.877		42.3	40.0	5.8	30.0
o-Xylene	Lin1		1.582		18.0	20.0	-9.9	30.0
Styrene	Lin1		1.301		19.7	20.0	-1.4	30.0
Bromoform	Ave	0.6664	0.6300	0.1000	18.9	20.0	-5.5	20.0
Isopropylbenzene	Lin1		1.926		19.4	20.0	-3.1	30.0
Bromobenzene	Ave	0.9938	1.023		20.6	20.0	3.0	30.0
N-Propylbenzene	Lin1		2.504		19.7	20.0	-1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.630	1.284	0.3000	15.8	20.0	-21.2	30.0
2-Chlorotoluene	Lin2		1.735		20.9	20.0	4.4	30.0
1,3,5-Trimethylbenzene	Lin1		1.780		20.8	20.0	4.0	30.0
1,2,3-Trichloropropane	Ave	0.1564	0.1406		18.0	20.0	-10.2	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1377		15.4	20.0	-23.0	30.0
4-Chlorotoluene	Lin2		1.564		21.0	20.0	4.8	30.0
tert-Butylbenzene	Lin1		1.312		20.3	20.0	1.3	30.0
1,2,4-Trimethylbenzene	Lin1		1.765		20.9	20.0	4.7	30.0
sec-Butylbenzene	Lin1		2.149		21.1	20.0	5.6	30.0
4-Isopropyltoluene	Lin1		1.571		20.1	20.0	0.4	30.0
1,3-Dichlorobenzene	Ave	0.7703	0.9468		24.6	20.0	22.9	30.0
1,4-Dichlorobenzene	Ave	1.901	2.021		21.3	20.0	6.3	30.0
n-Butylbenzene	Lin1		3.354		17.7	20.0	-11.7	30.0
1,2-Dichlorobenzene	Ave	1.685	1.781		21.1	20.0	5.7	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1495		14.8	20.0	-26.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49119/2 Calibration Date: 09/17/2009 16:26

Instrument ID: Agilent#2 GC/MS Calib Start Date: 09/03/2009 16:54

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/03/2009 20:02

Lab File ID: V06971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.5408	0.6122		22.6	20.0	13.2	30.0
1,2,4-Trichlorobenzene	Lin		0.9050		18.9	20.0	-5.4	30.0
Naphthalene	Lin		1.937		15.8	20.0	-21.0	30.0
1,2,3-Trichlorobenzene	Lin1		0.8752		18.7	20.0	-6.3	30.0
Dibromofluoromethane	Ave	0.2654	0.2730		20.6	20.0	2.8	30.0
Toluene-d8 (Surr)	Ave	0.7298	0.7553		20.7	20.0	3.5	30.0
4-Bromofluorobenzene	Ave	0.4679	0.4579		19.6	20.0	-2.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06971.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	17-Sep-2009 16:26:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccvis		
Misc. Info.:	360-0001213-002		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49119	Lims Sample ID:	2
Sublist:	chrom-WES2UNPR*sub2		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By: testerc Date: 18-Sep-2009 08:10:28

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	195524	23.6	
2 Chloromethane	1	50	1.907	1.907	0.000	169411	19.3	
3 Vinyl chloride	1	62	1.990	1.990	0.000	167548	20.8	
4 Bromomethane	1	94	2.287	2.287	0.000	75018	21.9	
5 Chloroethane	1	64	2.406	2.406	0.000	68256	20.1	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	244060	25.4	
7 Ethyl ether	1	59	2.821	2.821	0.000	125155	19.3	
8 Ethanol	1	45	2.939	2.939	0.000	62338	948.4	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	133582	20.5	
10 Carbon disulfide	1	76	3.070	3.070	0.000	464387	19.9	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	109363	24.3	
12 Acrolein	1	56	3.378	3.378	0.000	1505276	854.9	
13 Isopropyl alcohol	1	45	3.532	3.532	0.000	344258	653.4	
14 Methylene Chloride	1	84	3.639	3.639	0.000	164319	22.0	
15 Acetone	1	43	3.687	3.687	0.000	489080	168.9	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	237334	21.2	
17 Methyl acetate	1	43	3.817	3.817	0.000	1359118	147.8	
18 Hexane	1	57	3.888	3.888	0.000	315582	20.8	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	428873	23.7	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	114911	149.7	
21 Isopropyl ether	1	45	4.327	4.327	0.000	404763	19.8	
22 1,1-Dichloroethane	1	63	4.470	4.470	0.000	282592	20.8	
23 Acrylonitrile	1	53	4.541	4.541	0.000	55583	16.5	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	423824	22.3	
25 Vinyl acetate	1	43	4.742	4.742	0.000	3181201	171.0	
S 26 1,2-Dichloroethene, Total	1	1					41.8	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	207002	20.6	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	189166	28.7	
29 Cyclohexane	1	56	5.264	5.264	0.000	241249	20.1	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chlorobromomethane	1	130	5.276	5.276	0.000	98577	23.5	
31 Chloroform	1	83	5.347	5.347	0.000	286955	21.3	
32 Ethyl acetate	1	43	5.490	5.490	0.000	1783022	159.8	
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	211149	26.0	
34 Tetrahydrofuran	1	42	5.513	5.513	0.000	637334	151.8	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	107892	701.5	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	115963	20.6	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	244329	24.9	
38 2-Butanone (MEK)	1	43	5.691	5.691	0.000	727246	142.1	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	205104	22.0	
40 n-Heptane	1	43	5.952	5.952	0.000	217916	17.6	
41 Benzene	1	78	6.000	6.000	0.000	596072	21.7	
42 Tert-amyl methyl ether	1	73	6.118	6.118	0.000	348122	24.0	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	21779	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	236277	19.5	
* 45 Fluorobenzene	1	96	6.462	6.462	0.000	424773	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	87961	22.7	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	1496619	191.3	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	212364	22.8	
49 Trichloroethene	1	95	6.652	6.652	0.000	142916	21.5	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	314041	22.7	
51 Dibromomethane	1	93	7.115	7.115	0.000	78742	20.4	
52 1,2-Dichloropropane	1	63	7.221	7.221	0.000	130396	20.6	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	157352	21.4	
54 Methyl methacrylate	1	69	7.459	7.459	0.000	69484	15.6	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	6800	120.7	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	2006640	158.8	
S 57 1,3-Dichloropropene, Total	1	1					47.8	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	834167	195.6	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	184637	23.7	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	320832	20.7	
61 Toluene	1	92	8.158	8.158	0.000	269442	22.2	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	2777583		
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	1408708	172.0	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	96918	25.6	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	182385	24.2	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	3158621	170.7	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	101735	20.9	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	110255	23.4	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	170705	21.0	
71 Ethylene Dibromide	1	107	9.071	9.071	0.000	102784	21.9	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	2264507	166.1	
72 2-Hexanone	1	43	9.273	9.273	0.000	1009441	166.8	
S 73 Xylenes, Total	1	1					60.3	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	229993	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	295893	21.5	
76 Ethylbenzene	1	91	9.558	9.558	0.000	519354	21.6	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	104998	22.8	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	863580	42.3	
79 o-Xylene	1	91	10.056	10.056	0.000	363899	18.0	
80 Styrene	1	104	10.103	10.103	0.000	299264	19.7	
81 Bromoform	1	173	10.127	10.127	0.000	69019	18.9	

Report Date: 18-Sep-2009 08:10:29 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06971.D

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 Isopropylbenzene	1	105	10.317	10.317	0.000	443060	19.4	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	105311	19.6	
85 Bromobenzene	1	77	10.649	10.649	0.000	235387	20.6	
86 N-Propylbenzene	1	91	10.672	10.672	0.000	575892	19.7	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	140720	15.8	
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	398960	20.9	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.827	0.000	409293	20.8	
90 1,2,3-Trichloropropane	1	110	10.838	10.838	0.000	32328	18.0	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	31668	15.4	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	359668	21.0	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	301822	20.3	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	405858	20.9	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	494365	21.1	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	361406	20.1	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	217762	24.6	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	109558	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.503	0.000	221364	21.3	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	367468	17.7	
101 1,2-Dichlorobenzene	1	146	11.846	11.846	0.000	195167	21.1	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.511	0.000	16381	14.8	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	128239	21.9	
104 Hexachlorobutadiene	1	225	13.020	13.020	0.000	67076	22.6	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	99153	18.9	
106 Naphthalene	1	128	13.341	13.341	0.000	212239	15.8	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	95888	18.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 08:10:29 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06971.D

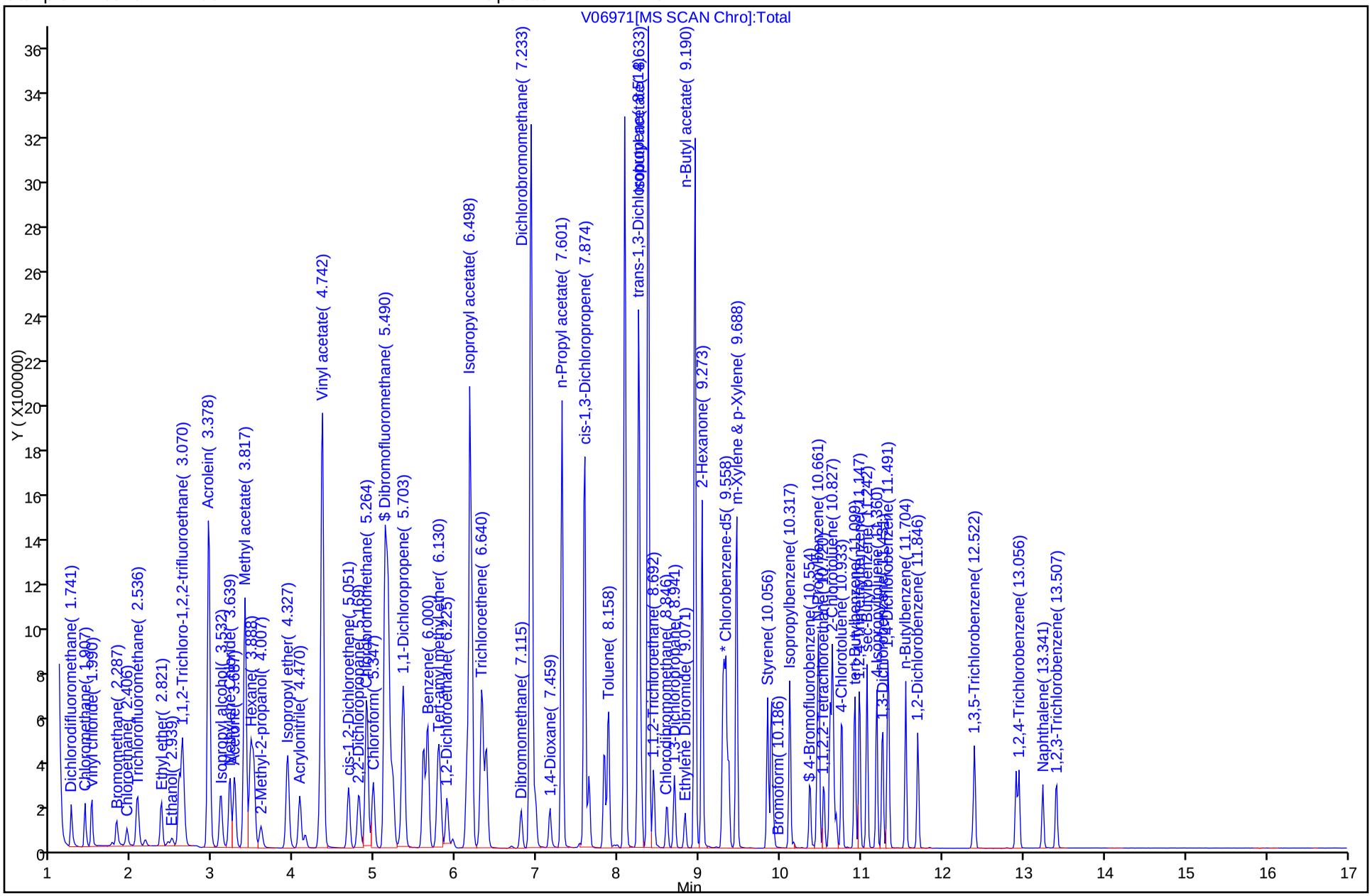
Inj Date: 17-Sep-2009 16:26:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49119 Lims Sample ID: 2

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: ccvis

Sample Amount: 1.00 Operator: CT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2809		58.2	100	-41.8*	30.0
Chloromethane	Ave	0.9034	0.7721	0.1000	91.4	100	-14.5	30.0
Vinyl chloride	Ave	0.6300	0.5305		89.4	100	-15.8	30.0
Bromomethane	Ave	0.3127	0.2881		96.6	100	-7.9	30.0
Chloroethane	Lin2		0.3159		97.4	100	-2.6	30.0
Trichlorofluoromethane	Ave	0.5183	0.4459		86.0	100	-14.0	30.0
Ethyl ether	Ave	0.2603	0.2269		93.1	100	-12.8	30.0
1,1-Dichloroethene	Ave	0.3201	0.2867		93.2	100	-10.4	30.0
Carbon disulfide	Ave	1.395	1.292		92.7	100	-7.4	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1678		90.3	100	-9.7	30.0
Acrolein	Ave	0.7836	0.8353		5330	5000	6.6	30.0
Methylene Chloride	Lin1		0.3422		97.8	100	-2.2	30.0
Acetone	Lin2		0.0365		691	1000	-30.9*	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6302		89.4	100	-10.7	30.0
Methyl acetate	Lin1		0.1409		968	1000	-3.2	30.0
Methyl tert-butyl ether	Ave	0.6992	0.5991		85.7	100	-14.3	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3790		989	1000	-1.1	30.0
Isopropyl ether	Ave	1.997	1.774		89.1	100	-11.2	30.0
1,1-Dichloroethane	Ave	0.7919	0.7286	0.1000	98.1	100	-8.0	30.0
Acrylonitrile	Lin1		0.0621		95.3	100	-4.7	30.0
Tert-butyl ethyl ether	Ave	1.194	1.063		89.1	100	-10.9	30.0
Vinyl acetate	Ave	0.5745	0.4385		763	1000	-23.7	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5793		94.1	100	-5.8	30.0
2,2-Dichloropropane	Ave	0.5371	0.4945		106	100	-7.9	30.0
Cyclohexane	Ave	0.8898	0.8215		92.9	100	-7.7	30.0
Chlorobromomethane	Ave	0.1386	0.1254		90.5	100	-9.5	30.0
Chloroform	Ave	0.6243	0.5520		94.5	100	-11.6	30.0
Carbon tetrachloride	Ave	0.3645	0.3253		88.9	100	-10.8	30.0
Tetrahydrofuran	Ave	0.0762	0.0643		918	1000	-15.7	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4713		90.3	100	-8.9	30.0
2-Butanone (MEK)	Ave	0.0960	0.0716		789	1000	-25.5	30.0
1,1-Dichloropropene	Ave	0.4990	0.4485		89.8	100	-10.1	30.0
Benzene	Ave	1.352	1.237		91.5	100	-8.5	30.0
Tert-amyl methyl ether	Ave	0.7621	0.6686		87.7	100	-12.3	30.0
1,2-Dichloroethane	Ave	0.3253	0.2852		87.7	100	-12.3	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3587		106	100	-5.7	30.0
Methylcyclohexane	Ave	0.6300	0.5963		95.1	100	-5.4	30.0
Trichloroethene	Ave	0.3155	0.2852		94.0	100	-9.6	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1829		97.7	100	-2.3	30.0
Dibromomethane	Ave	0.1188	0.1009		84.5	100	-15.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.2806		99.6	100	-11.8	30.0
Dichlorobromomethane	Ave	0.3427	0.3047		88.2	100	-11.1	30.0
Methyl methacrylate	Ave	0.0864	0.0741		83.9	100	-14.3	30.0
1,4-Dioxane	Qua		0.0215		1000	1000	0.1	30.0
2-Chloroethyl vinyl ether	Lin		0.0277		772	1000	-22.8	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.3428		86.2	100	-13.8	30.0
Toluene	Ave	0.7062	0.6354		92.5	100	-10.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1575		771	1000	-23.1	30.0
Tetrachloroethene	Ave	0.1859	0.1710		91.8	100	-8.0	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2543		87.5	100	-12.7	30.0
1,1,2-Trichloroethane	Lin1		0.1061		85.2	100	-14.8	30.0
Chlorodibromomethane	Ave	0.1504	0.1256		83.5	100	-16.5	30.0
1,3-Dichloropropane	Ave	0.2828	0.2393		84.6	100	-15.4	30.0
Ethylene Dibromide	Ave	0.1260	0.1093		86.6	100	-13.3	30.0
2-Hexanone	Ave	0.1294	0.0944		741	1000	-27.0	30.0
Chlorobenzene	Ave	1.096	0.9983	0.3000	91.7	100	-8.9	30.0
Ethylbenzene	Ave	2.279	2.091		98.1	100	-8.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3262		98.5	100	-6.1	30.0
m-Xylene & p-Xylene	Ave	1.752	1.632		186	200	-6.9	30.0
o-Xylene	Ave	1.903	1.794		94.6	100	-5.8	30.0
Styrene	Ave	1.294	1.186		91.9	100	-8.4	30.0
Bromoform	Ave	0.3131	0.2672	0.1000	81.4	100	-14.7	30.0
Isopropylbenzene	Ave	2.255	2.177		96.7	100	-3.5	30.0
Bromobenzene	Ave	1.024	0.9365		91.9	100	-8.5	30.0
N-Propylbenzene	Ave	2.901	2.784		95.9	100	-4.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.5837	0.3000	84.7	100	-14.8	30.0
2-Chlorotoluene	Ave	1.927	1.807		94.2	100	-6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.788		96.7	100	-3.4	30.0
1,2,3-Trichloropropane	Lin2		0.0628		101	100	1.0	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1023		96.2	100	-3.8	30.0
4-Chlorotoluene	Ave	1.683	1.616		95.6	100	-4.0	30.0
tert-Butylbenzene	Ave	1.471	1.459		99.1	100	-0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.766		93.9	100	-5.8	30.0
sec-Butylbenzene	Ave	2.518	2.422		96.2	100	-3.8	30.0
4-Isopropyltoluene	Ave	1.894	1.889		99.5	100	-0.3	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7990		94.9	100	-5.1	30.0
1,4-Dichlorobenzene	Ave	1.788	1.668		93.6	100	-6.7	30.0
n-Butylbenzene	Ave	4.614	4.465		96.8	100	-3.2	30.0
1,2-Dichlorobenzene	Ave	1.492	1.370		91.9	100	-8.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0672		87.3	100	-12.7	30.0
Hexachlorobutadiene	Ave	0.5170	0.5013		97.0	100	-3.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9441		96.8	100	-3.2	30.0
Naphthalene	Ave	1.288	1.195		92.8	100	-7.2	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7174		99.4	100	-0.6	30.0
Dibromofluoromethane	Ave	0.2328	0.2272		97.6	100	-2.4	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.8951		101	100	0.8	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5636		98.4	100	-1.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	08-Sep-2009 19:13:30	Dil. Factor:	1.0000
Sample Type:	ICV, ICal Verification		
Sample ID:	ICV		
Misc. Info.:	360-0001106-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	48701	Lims Sample ID:	9
Sublist:			
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:40:26	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:40:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.632	1.637	-0.005	139183	11.6	M
2 Chloromethane	50	1.818	1.818	0.000	382523	18.3	
3 Vinyl chloride	62	1.916	1.922	-0.006	262807	17.9	
4 Bromomethane	94	2.268	2.268	0.000	142748	19.3	
5 Chloroethane	64	2.397	2.397	0.000	156495	19.5	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	220896	17.2	
7 Ethyl ether	59	2.867	2.862	0.005	112432	18.6	
9 Ethanol	45	3.069	3.002	0.067	29953	731.7	
8 1,1-Dichloroethene	96	3.059	3.059	0.000	142037	18.6	
10 Carbon disulfide	76	3.069	3.069	0.000	639857	18.5	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	83139	18.1	
12 Acrolein	56	3.394	3.395	-0.001	825527	1065.9	
13 Isopropyl alcohol	45	3.550	3.550	0.000	237801	922.0	
14 Methylene Chloride	84	3.622	3.622	0.000	169538	19.6	
15 Acetone	43	3.679	3.679	0.000	180955	138.1	
16 trans-1,2-Dichloroethene	61	3.772	3.772	0.000	312216	17.9	
17 Methyl acetate	43	3.798	3.803	-0.005	697836	193.6	
18 Hexane	57	3.849	3.849	0.000	386897	18.3	
19 Methyl tert-butyl ether	73	3.880	3.875	0.005	296781	17.1	
20 2-Methyl-2-propanol	59	3.968	3.968	0.000	74913	197.7	
21 Isopropyl ether	45	4.221	4.222	-0.001	878635	17.8	
22 1,1-Dichloroethane	63	4.335	4.330	0.005	360968	19.6	
23 Acrylonitrile	53	4.392	4.392	0.000	30748	19.1	
24 Tert-butyl ethyl ether	59	4.542	4.542	0.000	526632	17.8	
25 Vinyl acetate	43	4.562	4.563	-0.001	2172332	152.7	
26 cis-1,2-Dichloroethene	61	4.805	4.800	0.005	286983	18.8	
27 2,2-Dichloropropane	77	4.898	4.899	-0.001	244997	21.2	
28 Cyclohexane	56	4.971	4.971	0.000	407006	18.6	
29 Chlorobromomethane	130	4.976	4.976	0.000	62139	18.1	
30 Chloroform	83	5.038	5.038	0.000	273477	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.146	5.147	-0.001	881223	181.4	
32 Carbon tetrachloride	117	5.152	5.152	0.000	161136	17.8	
33 Tetrahydrofuran	42	5.172	5.172	0.000	318292	183.6	
34 sec-Butyl Alcohol	45	5.177	5.183	-0.006	427534	907.0	
$ 35 Dibromofluoromethane	113	5.198	5.193	0.005	112538	19.5	
36 1,1,1-Trichloroethane	97	5.219	5.214	0.005	233468	18.1	
37 2-Butanone (MEK)	43	5.312	5.307	0.005	354535	157.9	
38 1,1-Dichloropropene	75	5.322	5.317	0.005	222177	18.0	
39 n-Heptane	43	5.493	5.493	0.000	417232	18.9	
40 Benzene	78	5.534	5.534	0.000	612595	18.3	
41 Tert-amyl methyl ether	73	5.627	5.622	0.005	331251	17.5	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.653	5.648	0.005	19766	20.0	
43 1,2-Dichloroethane	62	5.705	5.705	-0.001	141291	17.5	
* 44 Fluorobenzene	96	5.880	5.875	0.005	495421	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	177724	21.1	
46 Isopropyl acetate	43	5.906	5.901	0.005	1900313	184.8	
47 Methylcyclohexane	83	5.999	5.999	0.000	295423	19.0	
48 Trichloroethene	95	6.009	6.010	-0.001	141273	18.8	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	90626	19.5	
50 Dibromomethane	93	6.356	6.356	0.000	49980	16.9	
51 1,2-Dichloropropane	63	6.438	6.439	-0.001	139017	19.9	
52 Dichlorobromomethane	83	6.480	6.480	0.000	150939	17.6	
53 Methyl methacrylate	69	6.604	6.604	0.000	36696	16.8	
54 1,4-Dioxane	88	6.645	6.647	-0.002	4254	200.3	
55 n-Propyl acetate	43	6.712	6.712	0.000	1109476	180.2	
56 2-Chloroethyl vinyl ether	63	6.929	6.929	0.000	137214	154.4	
57 cis-1,3-Dichloropropene	75	6.976	6.976	0.000	169809	17.2	
$ 58 Toluene-d8 (Surr)	98	7.126	7.126	0.000	443432	20.2	
59 Toluene	92	7.162	7.162	0.000	314768	18.5	
60 Tetrachloroethene	164	7.456	7.457	-0.001	84691	18.4	
61 4-Methyl-2-pentanone (MIBK)	43	7.456	7.457	-0.001	780289	154.2	
62 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	125991	17.5	
63 Isobutyl acetate	43	7.544	7.544	0.000	2696886	185.8	
64 1,1,2-Trichloroethane	83	7.606	7.606	0.000	52584	17.0	
65 Chlorodibromomethane	129	7.746	7.746	0.000	62208	16.7	
66 1,3-Dichloropropane	76	7.823	7.824	-0.001	118551	16.9	
67 Ethylene Dibromide	107	7.937	7.937	0.000	54142	17.3	
68 n-Butyl acetate	43	8.015	8.015	0.000	1433858	175.4	
69 2-Hexanone	43	8.097	8.097	0.000	467711	148.3	
* 70 Chlorobenzene-d5	117	8.319	8.320	-0.001	300075	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	299553	18.3	
72 Ethylbenzene	91	8.350	8.351	-0.001	627489	19.6	
73 1,1,1,2-Tetrachloroethane	131	8.381	8.382	-0.001	97888	19.7	
74 m-Xylene & p-Xylene	91	8.459	8.459	0.000	979420	37.3	
75 o-Xylene	91	8.790	8.790	0.000	538321	18.9	
76 Styrene	104	8.831	8.831	0.000	355747	18.4	
77 Bromoform	173	8.857	8.857	0.000	37323	16.3	
78 Isopropylbenzene	105	9.033	9.033	0.000	653169	19.3	
$ 80 4-Bromofluorobenzene	95	9.255	9.255	0.000	169135	19.7	
81 Bromobenzene	77	9.343	9.343	0.000	281033	18.4	
82 N-Propylbenzene	91	9.353	9.353	0.000	835508	19.2	
83 1,1,2,2-Tetrachloroethane	83	9.405	9.405	0.000	81527	16.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	542342	18.8	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	536636	19.3	
86 1,2,3-Trichloropropane	110	9.524	9.519	0.005	18831	20.2	
87 trans-1,4-Dichloro-2-butene	53	9.549	9.550	-0.001	30706	19.2	
88 4-Chlorotoluene	91	9.611	9.612	-0.001	484898	19.1	
89 tert-Butylbenzene	119	9.756	9.756	0.000	437746	19.8	
90 1,2,4-Trimethylbenzene	105	9.808	9.808	0.000	529910	18.8	
91 sec-Butylbenzene	105	9.896	9.896	0.000	726845	19.2	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	566927	19.9	
93 1,3-Dichlorobenzene	146	10.071	10.077	-0.006	239762	19.0	
* 94 1,4-Dichlorobenzene-d4	152	10.128	10.134	-0.006	139671	20.0	
95 1,4-Dichlorobenzene	146	10.144	10.144	0.000	232976	18.7	
96 n-Butylbenzene	91	10.345	10.351	-0.006	623639	19.4	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	191336	18.4	
98 1,2-Dibromo-3-Chloropropane	157	11.275	11.276	-0.001	9383	17.5	
99 1,3,5-Trichlorobenzene	180	11.301	11.307	-0.006	182936	20.2	
100 Hexachlorobutadiene	225	12.030	12.030	0.000	70021	19.4	
101 1,2,4-Trichlorobenzene	180	12.077	12.082	-0.006	131858	19.4	
102 Naphthalene	128	12.547	12.547	0.000	166938	18.6	
103 1,2,3-Trichlorobenzene	180	12.821	12.821	0.000	100202	19.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:40:27 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D

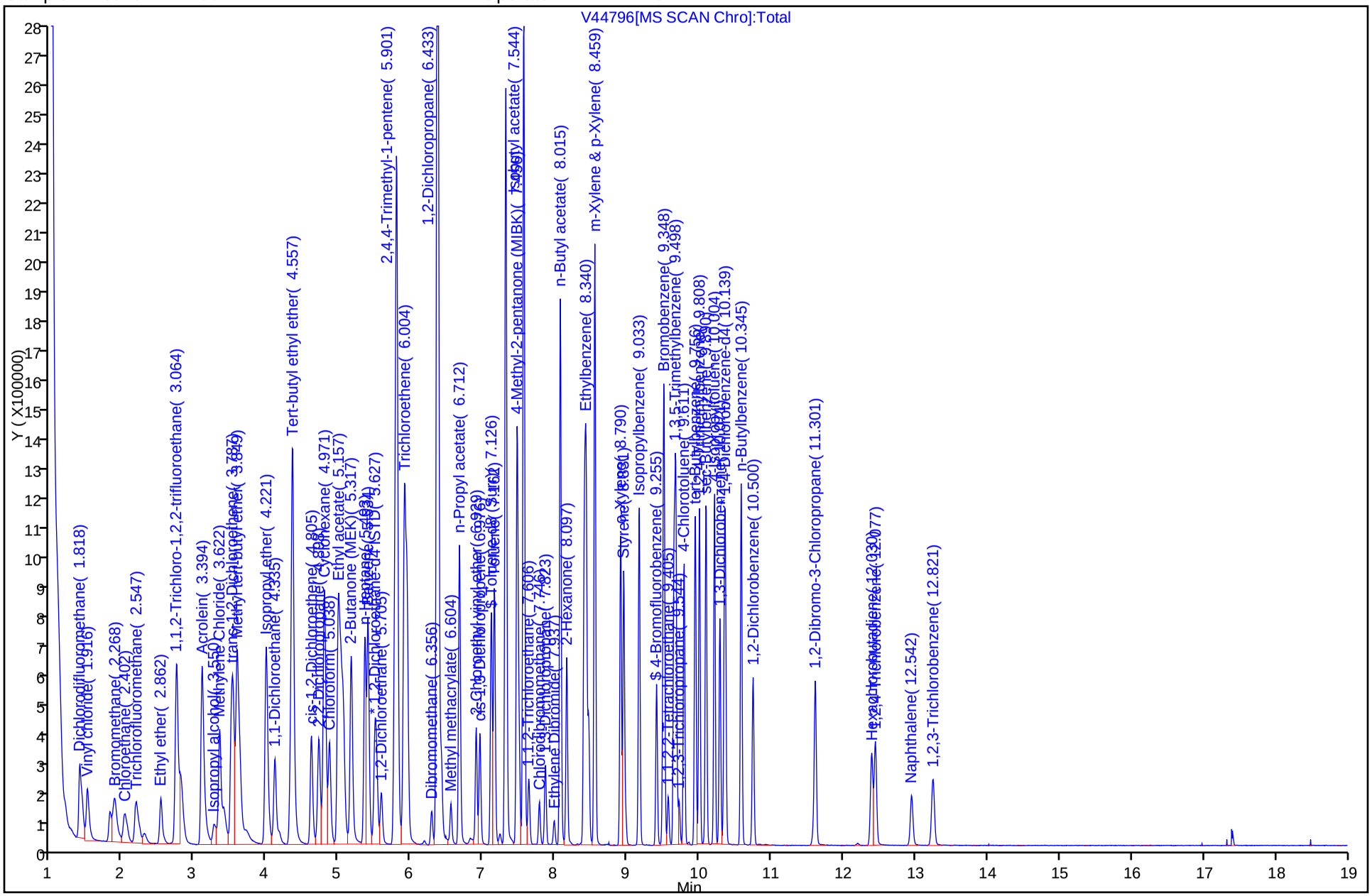
Inj Date: 08-Sep-2009 19:13:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 9

Client ID: Instrument: HP #1 GC/MS

Sample Info: ICV

Sample Amount: 1.00 Operator: CR



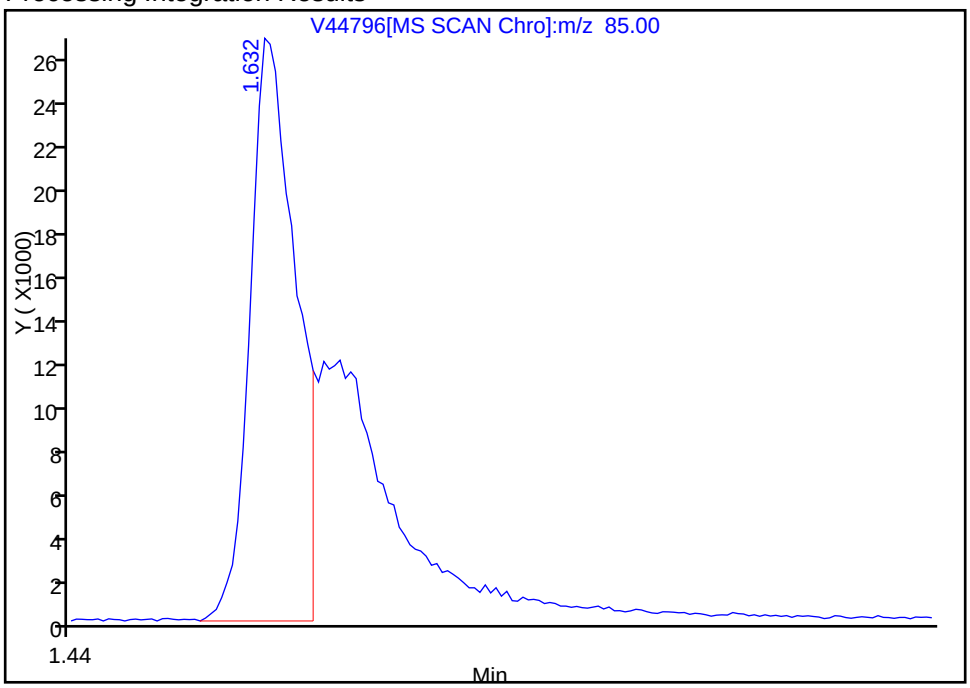
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D		
Inj Date:	08-Sep-2009 19:13:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	9
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	ICV		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

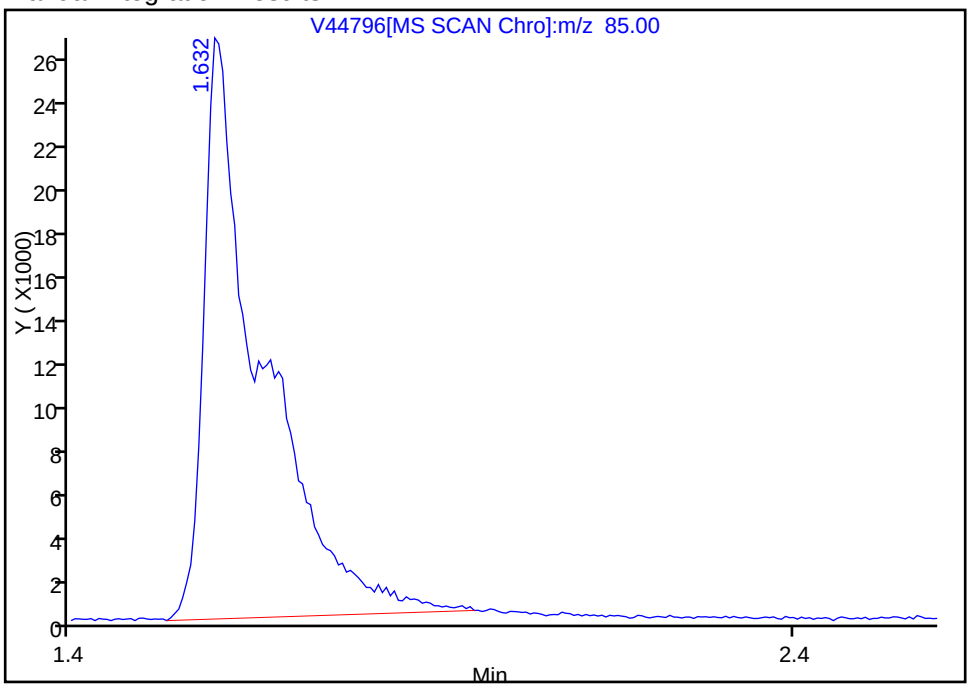
Processing Integration Results

RT: 1.63
Response: 81811
Amount: 6.843065



Manual Integration Results

RT: 1.63
Response: 139183
Amount: 11.641934



Reviewer: rouleauc, 09-Sep-2009 10:40:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49049/2 Calibration Date: 09/16/2009 16:37

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45048.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4892		20.3	20.0	1.4	30.0
Chloromethane	Ave	0.9034	0.9549	0.1000	22.9	20.0	5.7	30.0
Vinyl chloride	Ave	0.6300	0.6388		21.8	20.0	1.4	20.0
Bromomethane	Ave	0.3127	0.3486		23.4	20.0	11.5	30.0
Chloroethane	Lin2		0.3584		22.3	20.0	11.6	30.0
Trichlorofluoromethane	Ave	0.5183	0.5162		19.9	20.0	-0.4	30.0
Ethyl ether	Ave	0.2603	0.2404		19.8	20.0	-7.7	30.0
1,1-Dichloroethene	Ave	0.3201	0.3221		21.0	20.0	0.7	20.0
Carbon disulfide	Ave	1.395	1.366		19.6	20.0	-2.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1858	0.1696		18.3	20.0	-8.7	30.0
Acrolein	Ave	0.7836	0.8106		1030	1000	3.4	30.0
Methylene Chloride	Lin1		0.3814		21.9	20.0	9.6	30.0
Acetone	Lin2		0.0655		252	200	25.8	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6919		19.6	20.0	-2.0	30.0
Methyl acetate	Lin1		0.1441		198	200	-1.0	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6607		18.9	20.0	-5.5	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3543		185	200	-7.6	30.0
Isopropyl ether	Ave	1.997	1.972		19.8	20.0	-1.3	30.0
1,1-Dichloroethane	Ave	0.7919	0.7851	0.1000	21.1	20.0	-0.9	30.0
Acrylonitrile	Lin1		0.0681		21.0	20.0	4.9	30.0
Tert-butyl ethyl ether	Ave	1.194	1.170		19.6	20.0	-2.0	30.0
Vinyl acetate	Ave	0.5745	0.6054		211	200	5.4	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.6075		19.7	20.0	-1.2	30.0
2,2-Dichloropropane	Ave	0.5371	0.5316		23.0	20.0	-1.0	30.0
Chlorobromomethane	Ave	0.1386	0.1363		19.7	20.0	-1.7	30.0
Cyclohexane	Ave	0.8898	0.7485		16.9	20.0	-15.9	30.0
Chloroform	Ave	0.6243	0.5953		20.4	20.0	-4.6	20.0
Carbon tetrachloride	Ave	0.3645	0.3621		19.8	20.0	-0.7	30.0
Tetrahydrofuran	Ave	0.0762	0.0732		209	200	-4.0	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.5083		19.5	20.0	-1.7	30.0
2-Butanone (MEK)	Ave	0.0960	0.0984		218	200	2.5	30.0
1,1-Dichloropropene	Ave	0.4990	0.4895		19.6	20.0	-1.9	30.0
Benzene	Ave	1.352	1.385		20.5	20.0	2.5	30.0
Tert-amyl methyl ether	Ave	0.7621	0.7694		20.2	20.0	1.0	30.0
1,2-Dichloroethane	Ave	0.3253	0.3232		19.9	20.0	-0.7	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3303		19.3	20.0	-13.2	30.0
Methylcyclohexane	Ave	0.6300	0.5441		17.3	20.0	-13.6	30.0
Trichloroethene	Ave	0.3155	0.3271		21.6	20.0	3.7	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1732		18.5	20.0	-7.5	30.0
Dibromomethane	Ave	0.1188	0.1217		20.4	20.0	2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49049/2 Calibration Date: 09/16/2009 16:37

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45048.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.3193		22.7	20.0	0.3	20.0
Dichlorobromomethane	Ave	0.3427	0.3448		20.0	20.0	0.6	30.0
Methyl methacrylate	Ave	0.0864	0.0876		19.8	20.0	1.4	30.0
1,4-Dioxane	Qua		0.0212		197	200	-1.6	30.0
2-Chloroethyl vinyl ether	Lin		0.0720		373	200	86.4*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.4092		20.6	20.0	3.0	30.0
Toluene	Ave	0.7062	0.7432		21.7	20.0	5.2	20.0
Tetrachloroethene	Ave	0.1859	0.2045		22.0	20.0	10.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.2121		208	200	3.5	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2937		20.2	20.0	0.8	30.0
1,1,2-Trichloroethane	Lin1		0.1271		20.3	20.0	1.7	30.0
Chlorodibromomethane	Ave	0.1504	0.1506		20.0	20.0	0.1	30.0
1,3-Dichloropropane	Ave	0.2828	0.2840		20.1	20.0	0.4	30.0
Ethylene Dibromide	Ave	0.1260	0.1294		20.5	20.0	2.7	30.0
2-Hexanone	Ave	0.1294	0.1300		204	200	0.4	30.0
Chlorobenzene	Ave	1.096	1.144	0.3000	21.0	20.0	4.4	30.0
Ethylbenzene	Ave	2.279	2.310		21.7	20.0	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3522		21.3	20.0	1.4	30.0
m-Xylene & p-Xylene	Ave	1.752	1.781		40.7	40.0	1.6	30.0
o-Xylene	Ave	1.903	1.920		20.2	20.0	0.9	30.0
Styrene	Ave	1.294	1.302		20.2	20.0	0.6	30.0
Bromoform	Ave	0.3131	0.3054	0.1000	18.5	20.0	-2.5	20.0
Isopropylbenzene	Ave	2.255	2.358		21.0	20.0	4.5	30.0
Bromobenzene	Ave	1.024	0.9615		18.9	20.0	-6.1	30.0
N-Propylbenzene	Ave	2.901	2.950		20.3	20.0	1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.6457	0.3000	18.7	20.0	-5.7	30.0
2-Chlorotoluene	Ave	1.927	1.909		19.9	20.0	-1.0	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.910		20.7	20.0	3.2	30.0
1,2,3-Trichloropropane	Lin2		0.0646		20.8	20.0	4.1	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1013		19.1	20.0	-4.7	30.0
4-Chlorotoluene	Ave	1.683	1.658		19.6	20.0	-1.5	30.0
tert-Butylbenzene	Ave	1.471	1.559		21.2	20.0	6.0	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.906		20.3	20.0	1.7	30.0
sec-Butylbenzene	Ave	2.518	2.591		20.6	20.0	2.9	30.0
4-Isopropyltoluene	Ave	1.894	1.962		20.7	20.0	3.6	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.8274		19.7	20.0	-1.7	30.0
1,4-Dichlorobenzene	Ave	1.788	1.807		20.3	20.0	1.0	30.0
n-Butylbenzene	Ave	4.614	4.793		20.8	20.0	3.9	30.0
1,2-Dichlorobenzene	Ave	1.492	1.497		20.1	20.0	0.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0736		19.1	20.0	-4.4	30.0
Hexachlorobutadiene	Ave	0.5170	0.5382		20.8	20.0	4.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49049/2 Calibration Date: 09/16/2009 16:37

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45048.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	1.029		21.1	20.0	5.5	30.0
Naphthalene	Ave	1.288	1.259		19.5	20.0	-2.3	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7679		21.3	20.0	6.4	30.0
Dibromofluoromethane	Ave	0.2328	0.2309		19.8	20.0	-0.8	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9074		20.4	20.0	2.2	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5407		18.9	20.0	-5.7	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45048.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	16-Sep-2009 16:37:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001195-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49049	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 09:21:51	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 09:20:39
Reviewed By:	rouleauc	Date:	17-Sep-2009 09:21:51

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	246508	20.3	M
2 Chloromethane	50	1.810	1.810	0.000	481179	22.9	
3 Vinyl chloride	62	1.908	1.908	0.000	321865	21.8	
4 Bromomethane	94	2.264	2.264	0.000	175671	23.4	
5 Chloroethane	64	2.404	2.404	0.000	180565	22.3	
6 Trichlorofluoromethane	101	2.538	2.538	0.000	260108	19.9	
7 Ethyl ether	59	2.859	2.859	0.000	121119	19.8	
8 1,1-Dichloroethene	96	3.050	3.050	0.000	162321	21.0	
10 Carbon disulfide	76	3.065	3.065	0.000	688369	19.6	
9 Ethanol	45	3.065	3.065	0.000	49912	1217.6	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.127	0.000	85444	18.3	
12 Acrolein	56	3.391	3.391	0.000	891219	1034.4	
13 Isopropyl alcohol	45	3.551	3.551	0.000	264284	1008.8	
14 Methylene Chloride	84	3.618	3.618	0.000	192156	21.9	
15 Acetone	43	3.675	3.675	0.000	330249	251.7	
16 trans-1,2-Dichloroethene	61	3.768	3.768	0.000	348616	19.6	
17 Methyl acetate	43	3.789	3.789	0.000	725975	198.0	
18 Hexane	57	3.846	3.846	0.000	381933	17.8	
19 Methyl tert-butyl ether	73	3.877	3.877	0.000	332929	18.9	
20 2-Methyl-2-propanol	59	3.970	3.970	0.000	77898	184.8	
21 Isopropyl ether	45	4.218	4.218	0.000	993409	19.8	
22 1,1-Dichloroethane	63	4.332	4.332	0.000	395608	21.1	
23 Acrylonitrile	53	4.388	4.388	0.000	34311	21.0	
24 Tert-butyl ethyl ether	59	4.543	4.543	0.000	589531	19.6	
25 Vinyl acetate	43	4.559	4.559	0.000	3050303	210.8	
26 cis-1,2-Dichloroethene	61	4.802	4.802	0.000	306085	19.7	
27 2,2-Dichloropropane	77	4.900	4.900	0.000	267836	23.0	
28 Cyclohexane	56	4.972	4.972	0.000	377135	16.9	
29 Chlorobromomethane	130	4.972	4.972	0.000	68671	19.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
30 Chloroform	83	5.034	5.034	0.000	299950	20.4	
31 Ethyl acetate	43	5.148	5.148	0.000	949253	192.1	
32 Carbon tetrachloride	117	5.153	5.153	0.000	182463	19.8	
33 Tetrahydrofuran	42	5.169	5.169	0.000	368566	209.4	
34 sec-Butyl Alcohol	45	5.179	5.179	0.000	447138	932.6	
$ 35 Dibromofluoromethane	113	5.195	5.195	0.000	116363	19.8	
36 1,1,1-Trichloroethane	97	5.215	5.215	0.000	256098	19.5	
37 2-Butanone (MEK)	43	5.308	5.308	0.000	495953	217.8	
38 1,1-Dichloropropene	75	5.319	5.319	0.000	246627	19.6	
39 n-Heptane	43	5.494	5.494	0.000	388826	17.3	
40 Benzene	78	5.530	5.530	0.000	697835	20.5	
41 Tert-amyl methyl ether	73	5.623	5.623	0.000	387694	20.2	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.644	5.644	0.000	21988	20.0	
43 1,2-Dichloroethane	62	5.701	5.701	0.000	162835	19.9	
* 44 Fluorobenzene	96	5.877	5.877	0.000	503882	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.897	5.897	0.000	166405	19.3	
46 Isopropyl acetate	43	5.903	5.903	0.000	1970394	188.4	
47 Methylcyclohexane	83	6.001	6.001	0.000	274182	17.3	
48 Trichloroethene	95	6.006	6.006	0.000	164821	21.6	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.037	0.000	87284	18.5	
50 Dibromomethane	93	6.352	6.352	0.000	61321	20.4	
51 1,2-Dichloropropane	63	6.435	6.435	0.000	160871	22.7	
52 Dichlorobromomethane	83	6.476	6.476	0.000	173726	20.0	
53 Methyl methacrylate	69	6.605	6.605	0.000	44162	19.8	
54 1,4-Dioxane	88	6.642	6.642	0.000	4652	196.8	
55 n-Propyl acetate	43	6.714	6.714	0.000	1190834	190.2	
56 2-Chloroethyl vinyl ether	63	6.931	6.931	0.000	362576	372.9	
57 cis-1,3-Dichloropropene	75	6.977	6.977	0.000	206209	20.6	
$ 58 Toluene-d8 (Surr)	98	7.122	7.122	0.000	457221	20.4	
59 Toluene	92	7.163	7.163	0.000	374481	21.7	
60 Tetrachloroethene	164	7.453	7.453	0.000	103041	22.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.458	0.000	1068529	207.6	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	147985	20.2	
63 Isobutyl acetate	43	7.541	7.541	0.000	2756653	186.8	
64 1,1,2-Trichloroethane	83	7.608	7.608	0.000	64060	20.3	
65 Chlorodibromomethane	129	7.742	7.742	0.000	75865	20.0	
66 1,3-Dichloropropane	76	7.820	7.820	0.000	143102	20.1	
67 Ethylene Dibromide	107	7.934	7.934	0.000	65222	20.5	
68 n-Butyl acetate	43	8.011	8.011	0.000	1491206	179.3	
69 2-Hexanone	43	8.094	8.094	0.000	654859	204.3	
* 70 Chlorobenzene-d5	117	8.316	8.316	0.000	313449	20.0	
71 Chlorobenzene	112	8.331	8.331	0.000	358557	21.0	
72 Ethylbenzene	91	8.347	8.347	0.000	724027	21.7	
73 1,1,1,2-Tetrachloroethane	131	8.373	8.373	0.000	110410	21.3	
74 m-Xylene & p-Xylene	91	8.455	8.455	0.000	1116611	40.7	
75 o-Xylene	91	8.786	8.786	0.000	601957	20.2	
76 Styrene	104	8.828	8.828	0.000	408138	20.2	
77 Bromoform	173	8.853	8.853	0.000	43286	18.5	
78 Isopropylbenzene	105	9.024	9.024	0.000	739088	21.0	
$ 80 4-Bromofluorobenzene	95	9.251	9.251	0.000	169465	18.9	
81 Bromobenzene	77	9.334	9.334	0.000	301379	18.9	
82 N-Propylbenzene	91	9.344	9.344	0.000	924560	20.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
83 1,1,2,2-Tetrachloroethane	83	9.401	9.401	0.000	91519	18.7	
84 2-Chlorotoluene	91	9.474	9.474	0.000	598232	19.9	
85 1,3,5-Trimethylbenzene	105	9.494	9.494	0.000	598663	20.7	
86 1,2,3-Trichloropropane	110	9.515	9.515	0.000	20261	20.8	
87 trans-1,4-Dichloro-2-butene	53	9.541	9.541	0.000	31760	19.1	
88 4-Chlorotoluene	91	9.603	9.603	0.000	519685	19.6	
89 tert-Butylbenzene	119	9.747	9.747	0.000	488798	21.2	
90 1,2,4-Trimethylbenzene	105	9.799	9.799	0.000	597423	20.3	
91 sec-Butylbenzene	105	9.887	9.887	0.000	812097	20.6	
92 4-Isopropyltoluene	119	9.995	9.995	0.000	614926	20.7	
93 1,3-Dichlorobenzene	146	10.063	10.063	0.000	259357	19.7	
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	141734	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.135	0.000	256053	20.3	
96 n-Butylbenzene	91	10.337	10.337	0.000	679285	20.8	
97 1,2-Dichlorobenzene	146	10.492	10.492	0.000	212237	20.1	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.262	0.000	10433	19.1	
99 1,3,5-Trichlorobenzene	180	11.287	11.287	0.000	186646	20.3	
100 Hexachlorobutadiene	225	12.016	12.016	0.000	76279	20.8	
101 1,2,4-Trichlorobenzene	180	12.063	12.063	0.000	145795	21.1	
102 Naphthalene	128	12.528	12.528	0.000	178422	19.5	
103 1,2,3-Trichlorobenzene	180	12.802	12.802	0.000	108839	21.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 09:21:51 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45048.D

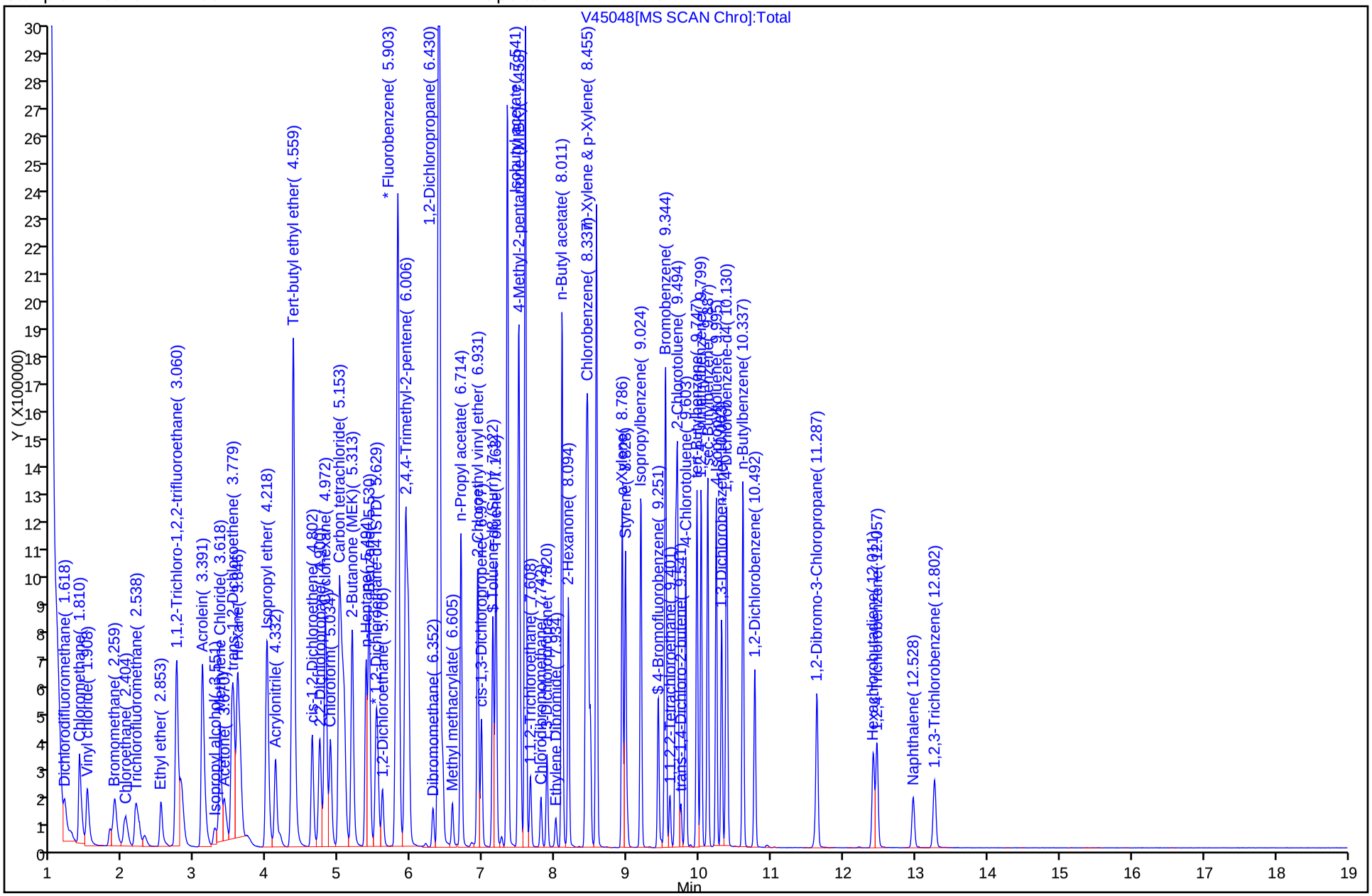
Inj Date: 16-Sep-2009 16:37:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49049 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



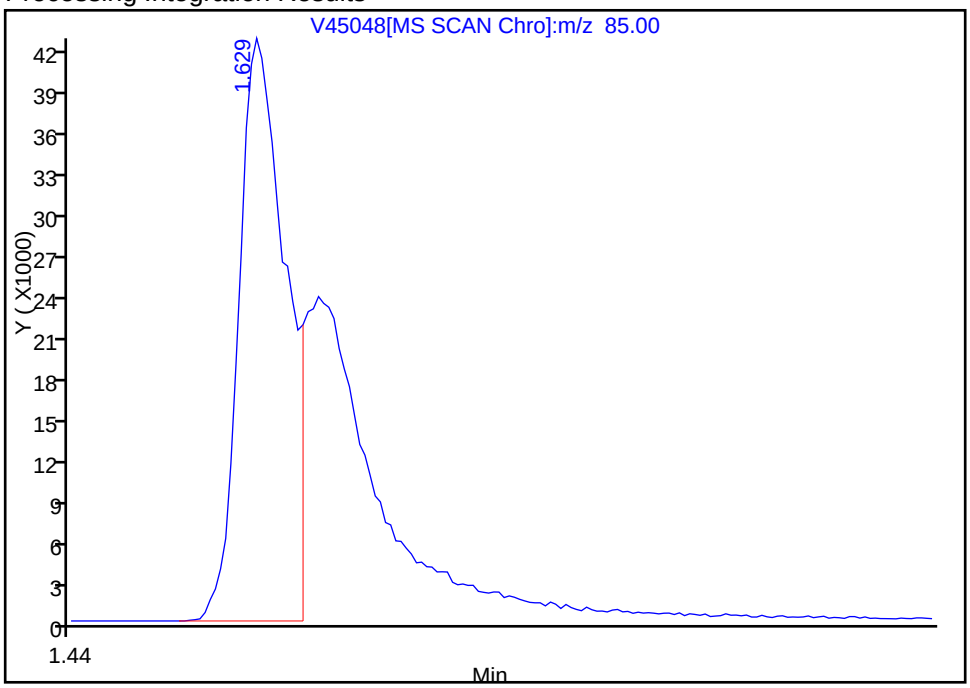
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45048.D		
Inj Date:	16-Sep-2009 16:37:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.63

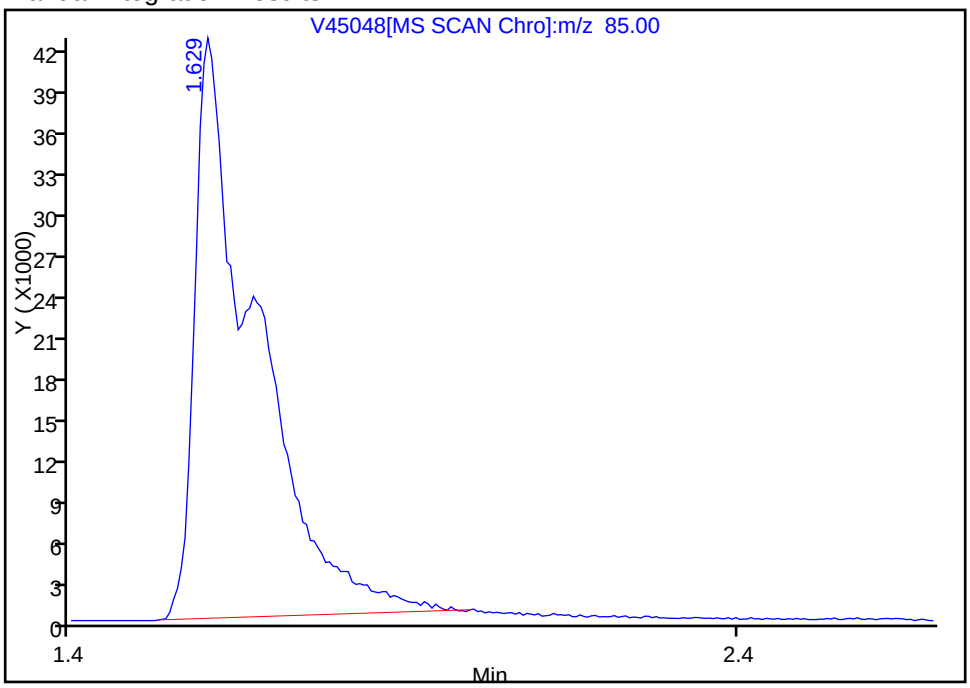
Processing Integration Results

RT: 1.63
Response: 141163
Amount: 11.609283



Manual Integration Results

RT: 1.63
Response: 246508
Amount: 20.272884



Reviewer: rouleauc, 17-Sep-2009 09:20:39
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49101/2 Calibration Date: 09/17/2009 13:26

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45087.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.5319		22.0	20.0	10.2	30.0
Chloromethane	Ave	0.9034	0.9171	0.1000	21.9	20.0	1.5	30.0
Vinyl chloride	Ave	0.6300	0.6456		22.0	20.0	2.5	20.0
Bromomethane	Ave	0.3127	0.3214		21.6	20.0	2.8	30.0
Chloroethane	Lin2		0.3487		21.7	20.0	8.4	30.0
Trichlorofluoromethane	Ave	0.5183	0.5402		20.8	20.0	4.2	30.0
Ethyl ether	Ave	0.2603	0.2267		18.6	20.0	-12.9	30.0
1,1-Dichloroethene	Ave	0.3201	0.3338		21.8	20.0	4.3	20.0
Carbon disulfide	Ave	1.395	1.391		20.0	20.0	-0.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1858	0.1900		20.5	20.0	2.3	30.0
Acrolein	Ave	0.7836	0.7499		957	1000	-4.3	30.0
Methylene Chloride	Lin1		0.3527		20.2	20.0	1.0	30.0
Acetone	Lin2		0.0662		254	200	27.2	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6911		19.6	20.0	-2.1	30.0
Methyl acetate	Lin1		0.1403		193	200	-3.6	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6047		17.3	20.0	-13.5	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3363		175	200	-12.3	30.0
Isopropyl ether	Ave	1.997	1.901		19.1	20.0	-4.8	30.0
1,1-Dichloroethane	Ave	0.7919	0.7669	0.1000	20.7	20.0	-3.2	30.0
Acrylonitrile	Lin1		0.0615		18.9	20.0	-5.6	30.0
Tert-butyl ethyl ether	Ave	1.194	1.103		18.5	20.0	-7.6	30.0
Vinyl acetate	Ave	0.5745	0.4466		155	200	-22.3	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5846		19.0	20.0	-4.9	30.0
2,2-Dichloropropane	Ave	0.5371	0.5519		23.9	20.0	2.7	30.0
Cyclohexane	Ave	0.8898	0.9365		21.2	20.0	5.2	30.0
Chlorobromomethane	Ave	0.1386	0.1255		18.1	20.0	-9.5	30.0
Chloroform	Ave	0.6243	0.5837		20.0	20.0	-6.5	20.0
Carbon tetrachloride	Ave	0.3645	0.3874		21.2	20.0	6.3	30.0
Tetrahydrofuran	Ave	0.0762	0.0654		187	200	-14.1	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.5273		20.2	20.0	2.0	30.0
2-Butanone (MEK)	Ave	0.0960	0.0898		198	200	-6.5	30.0
1,1-Dichloropropene	Ave	0.4990	0.5110		20.5	20.0	2.4	30.0
Benzene	Ave	1.352	1.356		20.1	20.0	0.3	30.0
Tert-amyl methyl ether	Ave	0.7621	0.7033		18.5	20.0	-7.7	30.0
1,2-Dichloroethane	Ave	0.3253	0.3006		18.5	20.0	-7.6	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3915		23.2	20.0	2.9	30.0
Methylcyclohexane	Ave	0.6300	0.6818		21.7	20.0	8.2	30.0
Trichloroethene	Ave	0.3155	0.3167		20.9	20.0	0.4	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1975		21.1	20.0	5.5	30.0
Dibromomethane	Ave	0.1188	0.1081		18.1	20.0	-9.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49101/2 Calibration Date: 09/17/2009 13:26

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45087.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.3027		21.5	20.0	-4.9	20.0
Dichlorobromomethane	Ave	0.3427	0.3142		18.2	20.0	-8.3	30.0
Methyl methacrylate	Ave	0.0864	0.0756		17.1	20.0	-12.5	30.0
1,4-Dioxane	Qua		0.0235		219	200	9.6	30.0
2-Chloroethyl vinyl ether	Lin		0.0616		322	200	60.9*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.3659		18.4	20.0	-8.0	30.0
Toluene	Ave	0.7062	0.7019		20.5	20.0	-0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1907		187	200	-6.9	30.0
Tetrachloroethene	Ave	0.1859	0.1992		21.4	20.0	7.2	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2548		17.5	20.0	-12.5	30.0
1,1,2-Trichloroethane	Lin1		0.1137		18.2	20.0	-8.9	30.0
Chlorodibromomethane	Ave	0.1504	0.1309		17.4	20.0	-13.0	30.0
1,3-Dichloropropane	Ave	0.2828	0.2494		17.6	20.0	-11.8	30.0
Ethylene Dibromide	Ave	0.1260	0.1125		17.8	20.0	-10.7	30.0
2-Hexanone	Ave	0.1294	0.1188		187	200	-8.2	30.0
Chlorobenzene	Ave	1.096	1.071	0.3000	19.7	20.0	-2.3	30.0
Ethylbenzene	Ave	2.279	2.284		21.4	20.0	0.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3326		20.1	20.0	-4.3	30.0
m-Xylene & p-Xylene	Ave	1.752	1.752		40.0	40.0	0.0	30.0
o-Xylene	Ave	1.903	1.885		19.9	20.0	-0.9	30.0
Styrene	Ave	1.294	1.238		19.2	20.0	-4.3	30.0
Bromoform	Ave	0.3131	0.2721	0.1000	16.6	20.0	-13.1	20.0
Isopropylbenzene	Ave	2.255	2.367		21.0	20.0	4.9	30.0
Bromobenzene	Ave	1.024	0.9360		18.4	20.0	-8.6	30.0
N-Propylbenzene	Ave	2.901	2.963		20.4	20.0	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.5955	0.3000	17.3	20.0	-13.0	30.0
2-Chlorotoluene	Ave	1.927	1.871		19.5	20.0	-2.9	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.899		20.5	20.0	2.6	30.0
1,2,3-Trichloropropane	Lin2		0.0578		18.6	20.0	-7.2	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.0932		17.5	20.0	-12.5	30.0
4-Chlorotoluene	Ave	1.683	1.617		19.1	20.0	-3.9	30.0
tert-Butylbenzene	Ave	1.471	1.567		21.3	20.0	6.5	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.868		19.9	20.0	-0.3	30.0
sec-Butylbenzene	Ave	2.518	2.676		21.3	20.0	6.3	30.0
4-Isopropyltoluene	Ave	1.894	1.993		21.0	20.0	5.2	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7987		19.0	20.0	-5.1	30.0
1,4-Dichlorobenzene	Ave	1.788	1.723		19.3	20.0	-3.7	30.0
n-Butylbenzene	Ave	4.614	5.002		21.7	20.0	8.4	30.0
1,2-Dichlorobenzene	Ave	1.492	1.440		19.3	20.0	-3.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0629		16.3	20.0	-18.3	30.0
Hexachlorobutadiene	Ave	0.5170	0.5416		21.0	20.0	4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49101/2 Calibration Date: 09/17/2009 13:26

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45087.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9366		19.2	20.0	-4.0	30.0
Naphthalene	Ave	1.288	1.114		17.3	20.0	-13.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.6887		19.1	20.0	-4.5	30.0
Dibromofluoromethane	Ave	0.2328	0.2245		19.3	20.0	-3.6	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9073		20.4	20.0	2.2	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5435		19.0	20.0	-5.2	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45087.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	17-Sep-2009 13:26:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001210-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49101	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:04:06	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 13:54:13
Reviewed By:	rouleauc	Date:	17-Sep-2009 13:54:13
Reviewed By:	rouleauc	Date:	17-Sep-2009 14:44:42
Reviewed By:	rouleauc	Date:	17-Sep-2009 14:44:42
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:04:06

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	240868	22.0	M
2 Chloromethane	50	1.810	1.810	0.000	415337	21.9	
3 Vinyl chloride	62	1.908	1.908	0.000	292386	22.0	
4 Bromomethane	94	2.260	2.260	0.000	145565	21.6	
5 Chloroethane	64	2.384	2.384	0.000	157923	21.7	
6 Trichlorofluoromethane	101	2.533	2.533	0.000	244650	20.8	
7 Ethyl ether	59	2.854	2.854	0.000	102668	18.6	
8 1,1-Dichloroethene	96	3.045	3.045	0.000	151152	21.8	
10 Carbon disulfide	76	3.061	3.061	0.000	630034	20.0	
9 Ethanol	45	3.071	3.071	0.000	39219	1060.8	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.112	3.112	0.000	86031	20.5	
12 Acrolein	56	3.386	3.386	0.000	696557	956.9	
13 Isopropyl alcohol	45	3.546	3.546	0.000	229562	974.5	
14 Methylene Chloride	84	3.614	3.614	0.000	159747	20.2	
15 Acetone	43	3.670	3.670	0.000	299925	254.3	
16 trans-1,2-Dichloroethene	61	3.763	3.763	0.000	312987	19.6	
17 Methyl acetate	43	3.784	3.784	0.000	635478	192.8	
18 Hexane	57	3.836	3.836	0.000	404340	20.9	
19 Methyl tert-butyl ether	73	3.867	3.867	0.000	273839	17.3	
20 2-Methyl-2-propanol	59	3.960	3.960	0.000	62485	175.5	
21 Isopropyl ether	45	4.213	4.213	0.000	861029	19.1	
22 1,1-Dichloroethane	63	4.327	4.327	0.000	347288	20.7	
23 Acrylonitrile	53	4.389	4.389	0.000	27850	18.9	
24 Tert-butyl ethyl ether	59	4.533	4.533	0.000	499582	18.5	
25 Vinyl acetate	43	4.554	4.554	0.000	2022348	155.5	
26 cis-1,2-Dichloroethene	61	4.797	4.797	0.000	264728	19.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
27 2,2-Dichloropropane	77	4.890	4.890	0.000	249920	23.9	
28 Cyclohexane	56	4.962	4.962	0.000	424108	21.2	
29 Chlorobromomethane	130	4.968	4.968	0.000	56823	18.1	
30 Chloroform	83	5.030	5.030	0.000	264344	20.0	
31 Ethyl acetate	43	5.143	5.143	0.000	820735	184.8	
32 Carbon tetrachloride	117	5.143	5.143	0.000	175449	21.2	
33 Tetrahydrofuran	42	5.164	5.164	0.000	296208	187.0	
34 sec-Butyl Alcohol	45	5.169	5.169	0.000	387497	899.3	
$ 35 Dibromofluoromethane	113	5.190	5.190	0.000	101672	19.3	
36 1,1,1-Trichloroethane	97	5.210	5.210	0.000	238801	20.2	
37 2-Butanone (MEK)	43	5.303	5.303	0.000	406528	198.5	
38 1,1-Dichloropropene	75	5.314	5.314	0.000	231398	20.5	
39 n-Heptane	43	5.484	5.484	0.000	441242	21.8	
40 Benzene	78	5.526	5.526	0.000	614066	20.1	
41 Tert-amyl methyl ether	73	5.619	5.619	0.000	318522	18.5	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.645	5.645	0.000	18578	20.0	
43 1,2-Dichloroethane	62	5.701	5.701	0.000	136122	18.5	
* 44 Fluorobenzene	96	5.872	5.872	0.000	452876	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.893	5.893	0.000	177301	23.2	
46 Isopropyl acetate	43	5.898	5.898	0.000	1778670	189.2	
47 Methylcyclohexane	83	5.996	5.996	0.000	308789	21.7	
48 Trichloroethene	95	6.001	6.001	0.000	143406	20.9	
49 2,4,4-Trimethyl-2-pentene	112	6.032	6.032	0.000	89458	21.1	
50 Dibromomethane	93	6.347	6.347	0.000	48934	18.1	
51 1,2-Dichloropropane	63	6.430	6.430	0.000	137073	21.5	
52 Dichlorobromomethane	83	6.477	6.477	0.000	142297	18.2	
53 Methyl methacrylate	69	6.601	6.601	0.000	34229	17.1	
54 1,4-Dioxane	88	6.642	6.642	0.000	4365	219.2	
55 n-Propyl acetate	43	6.709	6.709	0.000	1006691	178.9	
56 2-Chloroethyl vinyl ether	63	6.921	6.921	0.000	279035	321.8	
57 cis-1,3-Dichloropropene	75	6.973	6.973	0.000	165694	18.4	
$ 58 Toluene-d8 (Surr)	98	7.117	7.117	0.000	410898	20.4	
59 Toluene	92	7.159	7.159	0.000	317876	20.5	
60 Tetrachloroethene	164	7.453	7.453	0.000	90205	21.4	
61 4-Methyl-2-pentanone (MIBK)	43	7.453	7.453	0.000	863506	186.6	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	115405	17.5	
63 Isobutyl acetate	43	7.536	7.536	0.000	2461374	185.5	
64 1,1,2-Trichloroethane	83	7.603	7.603	0.000	51503	18.2	
65 Chlorodibromomethane	129	7.738	7.738	0.000	59258	17.4	
66 1,3-Dichloropropane	76	7.815	7.815	0.000	112942	17.6	
67 Ethylene Dibromide	107	7.929	7.929	0.000	50951	17.8	
68 n-Butyl acetate	43	8.011	8.011	0.000	1265847	169.4	
69 2-Hexanone	43	8.089	8.089	0.000	537847	186.7	
* 70 Chlorobenzene-d5	117	8.311	8.311	0.000	273923	20.0	
71 Chlorobenzene	112	8.327	8.327	0.000	293336	19.7	
72 Ethylbenzene	91	8.342	8.342	0.000	625740	21.4	
73 1,1,1,2-Tetrachloroethane	131	8.373	8.373	0.000	91095	20.1	
74 m-Xylene & p-Xylene	91	8.451	8.451	0.000	959901	40.0	
75 o-Xylene	91	8.781	8.781	0.000	516471	19.9	
76 Styrene	104	8.823	8.823	0.000	339142	19.2	
77 Bromoform	173	8.849	8.849	0.000	33521	16.6	
78 Isopropylbenzene	105	9.024	9.024	0.000	648373	21.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 80 4-Bromofluorobenzene	95	9.247	9.247	0.000	148867	19.0	
81 Bromobenzene	77	9.334	9.334	0.000	256384	18.4	
82 N-Propylbenzene	91	9.345	9.345	0.000	811544	20.4	
83 1,1,2,2-Tetrachloroethane	83	9.396	9.396	0.000	73369	17.3	
84 2-Chlorotoluene	91	9.474	9.474	0.000	512609	19.5	
85 1,3,5-Trimethylbenzene	105	9.495	9.495	0.000	520225	20.5	
86 1,2,3-Trichloropropane	110	9.510	9.510	0.000	15818	18.6	
87 trans-1,4-Dichloro-2-butene	53	9.536	9.536	0.000	25515	17.5	
88 4-Chlorotoluene	91	9.603	9.603	0.000	442954	19.1	
89 tert-Butylbenzene	119	9.748	9.748	0.000	429108	21.3	
90 1,2,4-Trimethylbenzene	105	9.799	9.799	0.000	511723	19.9	
91 sec-Butylbenzene	105	9.882	9.882	0.000	733144	21.3	
92 4-Isopropyltoluene	119	9.991	9.991	0.000	545978	21.0	
93 1,3-Dichlorobenzene	146	10.063	10.063	0.000	218791	19.0	
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.120	0.000	123204	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.135	0.000	212239	19.3	
96 n-Butylbenzene	91	10.337	10.337	0.000	616216	21.7	
97 1,2-Dichlorobenzene	146	10.487	10.487	0.000	177465	19.3	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.262	0.000	7747	16.3	
99 1,3,5-Trichlorobenzene	180	11.288	11.288	0.000	167048	20.9	
100 Hexachlorobutadiene	225	12.011	12.011	0.000	66728	21.0	
101 1,2,4-Trichlorobenzene	180	12.058	12.058	0.000	115394	19.2	
102 Naphthalene	128	12.523	12.523	0.000	137232	17.3	
103 1,2,3-Trichlorobenzene	180	12.797	12.797	0.000	84844	19.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 09:04:06 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45087.D

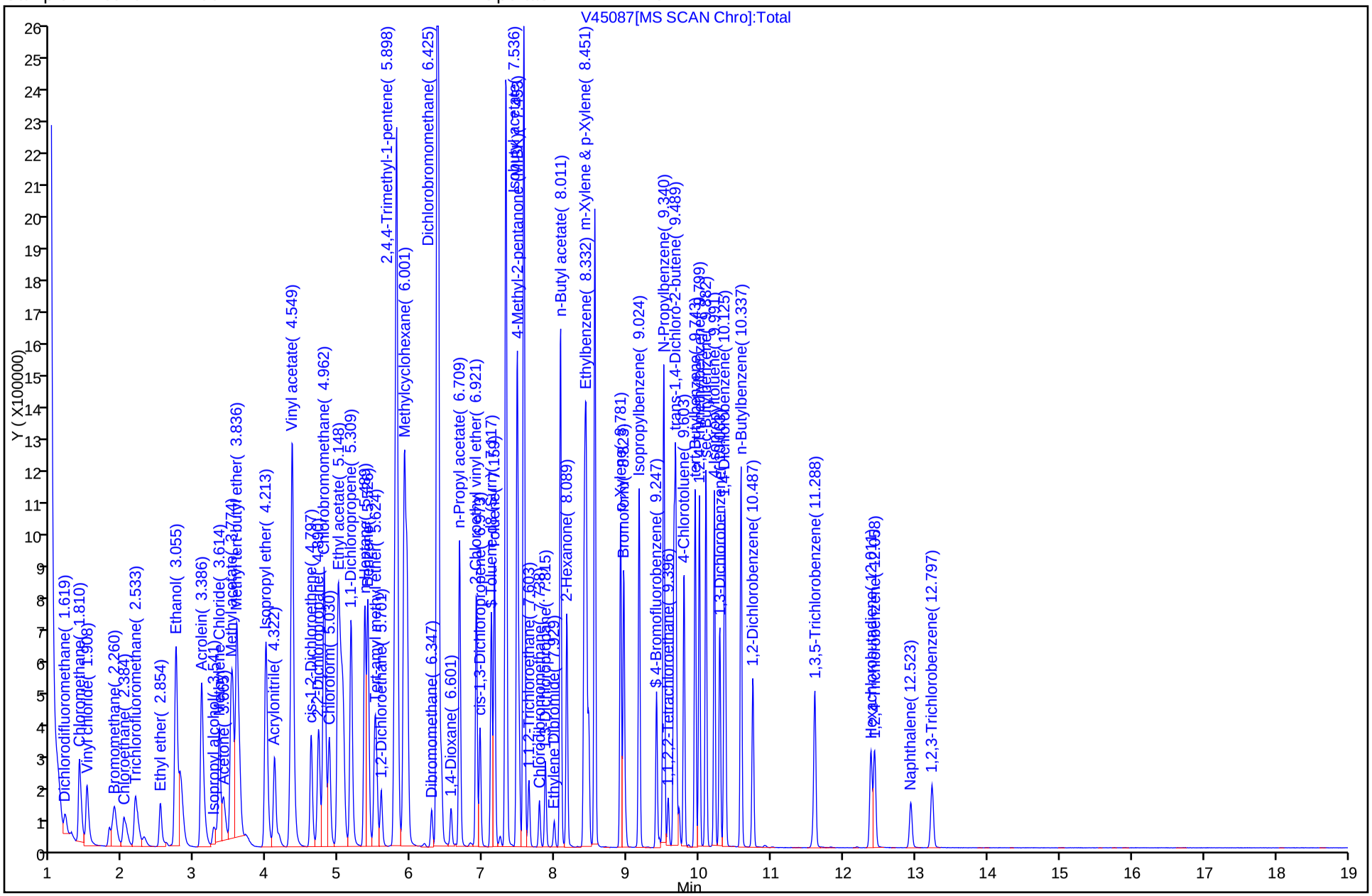
Inj Date: 17-Sep-2009 13:26:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49101 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



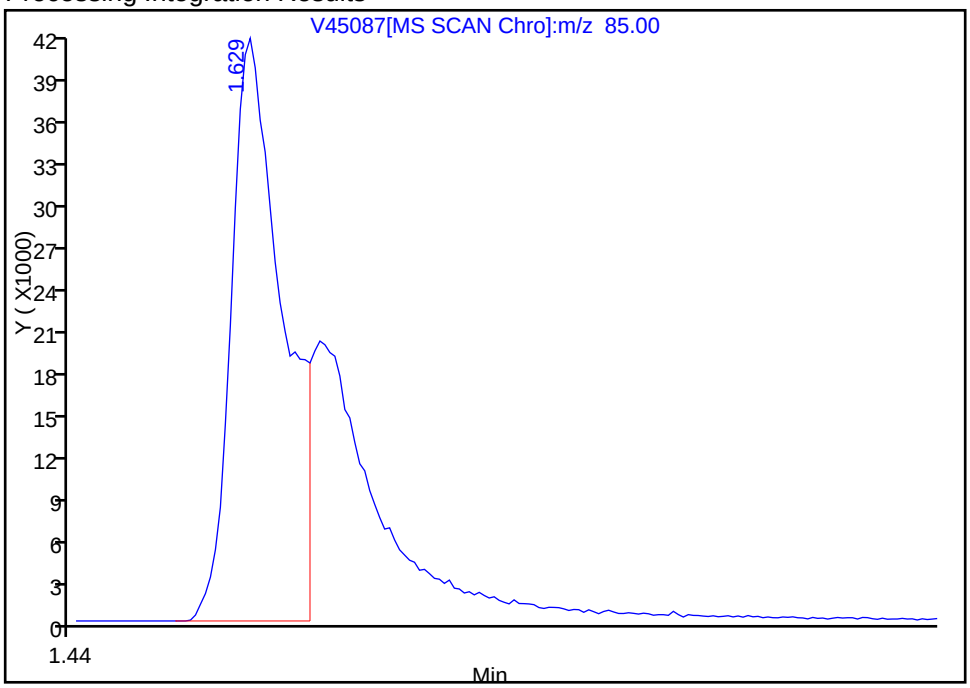
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45087.D		
Inj Date:	17-Sep-2009 13:26:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.63

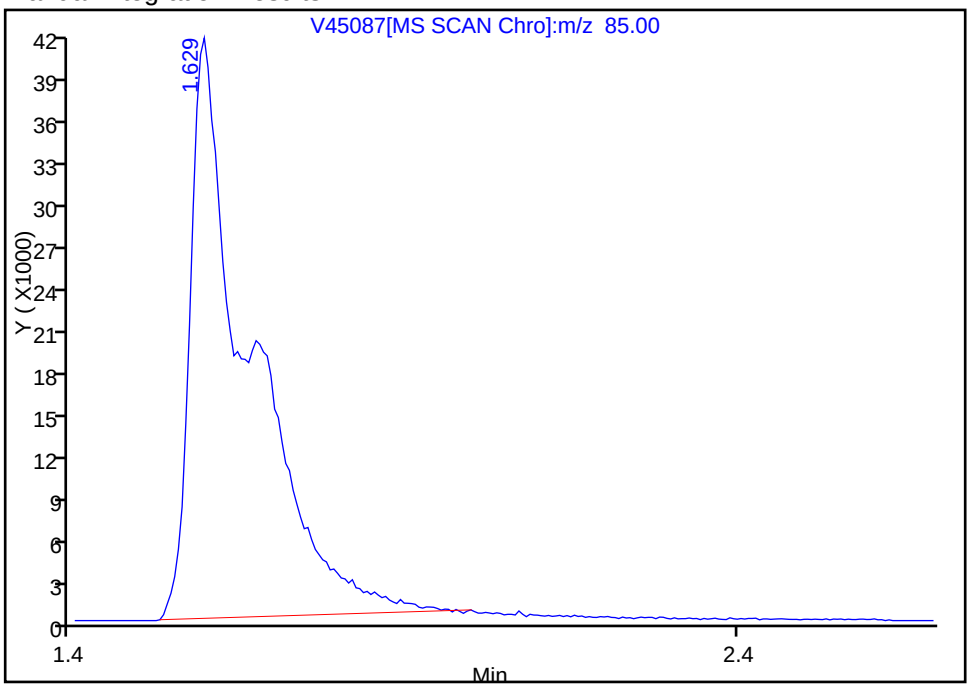
Processing Integration Results

RT: 1.63
Response: 157189
Amount: 14.383223



Manual Integration Results

RT: 1.63
Response: 240868
Amount: 22.040080



Reviewer: rouleauc, 17-Sep-2009 13:54:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49180/2 Calibration Date: 09/18/2009 15:58

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45137.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4695		19.5	20.0	-2.7	30.0
Chloromethane	Ave	0.9034	0.8026	0.1000	19.1	20.0	-11.2	30.0
Vinyl chloride	Ave	0.6300	0.5634		19.1	20.0	-10.6	20.0
Bromomethane	Ave	0.3127	0.2857		19.2	20.0	-8.7	30.0
Chloroethane	Lin2		0.3059		18.8	20.0	-5.9	30.0
Trichlorofluoromethane	Ave	0.5183	0.4835		18.7	20.0	-6.7	30.0
Ethyl ether	Ave	0.2603	0.2198		18.0	20.0	-15.6	30.0
1,1-Dichloroethene	Ave	0.3201	0.2958		19.3	20.0	-7.6	20.0
Carbon disulfide	Ave	1.395	1.202		17.3	20.0	-13.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1858	0.1700		18.3	20.0	-8.5	30.0
Acrolein	Ave	0.7836	0.7030		897	1000	-10.3	30.0
Methylene Chloride	Lin1		0.3288		18.8	20.0	-6.2	30.0
Acetone	Lin2		0.0496		189	200	-5.4	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6224		17.7	20.0	-11.8	30.0
Methyl acetate	Lin1		0.1653		227	200	13.6	30.0
Methyl tert-butyl ether	Ave	0.6992	0.5715		16.3	20.0	-18.3	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3256		170	200	-15.1	30.0
Isopropyl ether	Ave	1.997	1.747		17.6	20.0	-12.5	30.0
1,1-Dichloroethane	Ave	0.7919	0.7048	0.1000	19.0	20.0	-11.0	30.0
Acrylonitrile	Lin1		0.0593		18.2	20.0	-9.2	30.0
Tert-butyl ethyl ether	Ave	1.194	1.022		17.1	20.0	-14.4	30.0
Vinyl acetate	Ave	0.5745	0.4703		164	200	-18.1	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5531		18.0	20.0	-10.0	30.0
2,2-Dichloropropane	Ave	0.5371	0.4452		18.9	20.0	-17.1	30.0
Cyclohexane	Ave	0.8898	0.7860		17.8	20.0	-11.7	30.0
Chlorobromomethane	Ave	0.1386	0.1249		18.0	20.0	-9.9	30.0
Chloroform	Ave	0.6243	0.5595		19.2	20.0	-10.4	20.0
Carbon tetrachloride	Ave	0.3645	0.3366		18.4	20.0	-7.7	30.0
Tetrahydrofuran	Ave	0.0762	0.0691		198	200	-9.2	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4668		17.9	20.0	-9.7	30.0
2-Butanone (MEK)	Ave	0.0960	0.0931		206	200	-3.0	30.0
1,1-Dichloropropene	Ave	0.4990	0.4839		19.4	20.0	-3.0	30.0
Benzene	Ave	1.352	1.337		19.8	20.0	-1.1	30.0
Tert-amyl methyl ether	Ave	0.7621	0.6675		17.5	20.0	-12.4	30.0
1,2-Dichloroethane	Ave	0.3253	0.3074		18.9	20.0	-5.5	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3339		19.5	20.0	-12.3	30.0
Methylcyclohexane	Ave	0.6300	0.5833		18.6	20.0	-7.4	30.0
Trichloroethene	Ave	0.3155	0.3222		21.2	20.0	2.1	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1760		18.8	20.0	-6.0	30.0
Dibromomethane	Ave	0.1188	0.1166		19.5	20.0	-1.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49180/2 Calibration Date: 09/18/2009 15:58

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45137.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.3092		22.0	20.0	-2.8	20.0
Dichlorobromomethane	Ave	0.3427	0.3350		19.4	20.0	-2.3	30.0
Methyl methacrylate	Ave	0.0864	0.0909		20.6	20.0	5.2	30.0
1,4-Dioxane	Qua		0.0248		232	200	16.1	30.0
2-Chloroethyl vinyl ether	Lin		0.0813		419	200	109.0*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.4170		21.0	20.0	4.9	30.0
Toluene	Ave	0.7062	0.7493		21.8	20.0	6.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1943		190	200	-5.2	30.0
Tetrachloroethene	Ave	0.1859	0.2109		22.6	20.0	13.5	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2997		20.6	20.0	2.9	30.0
1,1,2-Trichloroethane	Lin1		0.1280		20.5	20.0	2.4	30.0
Chlorodibromomethane	Ave	0.1504	0.1477		19.6	20.0	-1.8	30.0
1,3-Dichloropropane	Ave	0.2828	0.2857		20.2	20.0	1.0	30.0
Ethylene Dibromide	Ave	0.1260	0.1279		20.3	20.0	1.5	30.0
2-Hexanone	Ave	0.1294	0.1294		203	200	0.0	30.0
Chlorobenzene	Ave	1.096	1.101	0.3000	20.2	20.0	0.5	30.0
Ethylbenzene	Ave	2.279	2.229		20.9	20.0	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3139		18.9	20.0	-9.7	30.0
m-Xylene & p-Xylene	Ave	1.752	1.691		38.6	40.0	-3.5	30.0
o-Xylene	Ave	1.903	1.755		18.5	20.0	-7.8	30.0
Styrene	Ave	1.294	1.225		19.0	20.0	-5.3	30.0
Bromoform	Ave	0.3131	0.3149	0.1000	19.0	20.0	0.6	20.0
Isopropylbenzene	Ave	2.255	2.148		19.1	20.0	-4.8	30.0
Bromobenzene	Ave	1.024	0.8633		16.9	20.0	-15.7	30.0
N-Propylbenzene	Ave	2.901	2.690		18.5	20.0	-7.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.6226	0.3000	18.1	20.0	-9.1	30.0
2-Chlorotoluene	Ave	1.927	1.711		17.8	20.0	-11.2	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.697		18.4	20.0	-8.3	30.0
1,2,3-Trichloropropane	Lin2		0.0555		17.8	20.0	-10.9	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.0867		16.3	20.0	-18.7	30.0
4-Chlorotoluene	Ave	1.683	1.513		17.9	20.0	-10.1	30.0
tert-Butylbenzene	Ave	1.471	1.380		18.7	20.0	-6.2	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.678		17.8	20.0	-10.5	30.0
sec-Butylbenzene	Ave	2.518	2.356		18.7	20.0	-6.4	30.0
4-Isopropyltoluene	Ave	1.894	1.757		18.5	20.0	-7.2	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7263		17.3	20.0	-13.7	30.0
1,4-Dichlorobenzene	Ave	1.788	1.733		19.4	20.0	-3.1	30.0
n-Butylbenzene	Ave	4.614	4.766		20.7	20.0	3.3	30.0
1,2-Dichlorobenzene	Ave	1.492	1.452		19.5	20.0	-2.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0707		18.4	20.0	-8.2	30.0
Hexachlorobutadiene	Ave	0.5170	0.5544		21.4	20.0	7.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVIS 360-49180/2 Calibration Date: 09/18/2009 15:58

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45137.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9870		20.2	20.0	1.2	30.0
Naphthalene	Ave	1.288	1.180		18.3	20.0	-8.4	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7256		20.1	20.0	0.6	30.0
Dibromofluoromethane	Ave	0.2328	0.2167		18.6	20.0	-6.9	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9495		21.4	20.0	6.9	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5131		17.9	20.0	-10.5	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45137.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	18-Sep-2009 15:58:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001222-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49180	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:24:34	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	21-Sep-2009 08:24:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.650	1.650	0.000	257007	19.5	M
2 Chloromethane	50	1.831	1.831	0.000	439357	19.1	
3 Vinyl chloride	62	1.934	1.934	0.000	308382	19.1	
4 Bromomethane	94	2.296	2.296	0.000	156384	19.2	
5 Chloroethane	64	2.435	2.435	0.000	167435	18.8	
6 Trichlorofluoromethane	101	2.559	2.559	0.000	264682	18.7	
7 Ethyl ether	59	2.880	2.880	0.000	120318	18.0	
8 1,1-Dichloroethene	96	3.076	3.076	0.000	161937	19.3	
10 Carbon disulfide	76	3.092	3.092	0.000	658242	17.3	
9 Ethanol	45	3.086	3.086	0.000	54167	1216.3	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.154	3.154	0.000	93077	18.3	
12 Acrolein	56	3.417	3.417	0.000	805658	897.1	
13 Isopropyl alcohol	45	3.577	3.577	0.000	298304	1048.7	
14 Methylene Chloride	84	3.645	3.645	0.000	179973	18.8	
15 Acetone	43	3.701	3.701	0.000	271503	189.3	
16 trans-1,2-Dichloroethene	61	3.794	3.794	0.000	340715	17.7	
17 Methyl acetate	43	3.820	3.820	0.000	904601	227.1	M
18 Hexane	57	3.872	3.872	0.000	448496	19.2	
19 Methyl tert-butyl ether	73	3.898	3.898	0.000	312815	16.3	
20 2-Methyl-2-propanol	59	3.996	3.996	0.000	74630	169.9	
21 Isopropyl ether	45	4.244	4.244	0.000	956222	17.6	
22 1,1-Dichloroethane	63	4.358	4.358	0.000	385834	19.0	
23 Acrylonitrile	53	4.420	4.420	0.000	32439	18.2	
24 Tert-butyl ethyl ether	59	4.570	4.570	0.000	559537	17.1	
25 Vinyl acetate	43	4.585	4.585	0.000	2574380	163.7	
26 cis-1,2-Dichloroethene	61	4.828	4.828	0.000	302765	18.0	
27 2,2-Dichloropropane	77	4.926	4.926	0.000	243695	18.9	
28 Cyclohexane	56	4.999	4.999	0.000	430234	17.8	
29 Chlorobromomethane	130	5.004	5.004	0.000	68366	18.0	
30 Chloroform	83	5.066	5.066	0.000	306273	19.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.174	5.174	0.000	1145094	213.4	
32 Carbon tetrachloride	117	5.179	5.179	0.000	184229	18.4	
33 Tetrahydrofuran	42	5.195	5.195	0.000	378429	197.8	
34 sec-Butyl Alcohol	45	5.210	5.210	0.000	517027	992.6	
$ 35 Dibromofluoromethane	113	5.221	5.221	0.000	118604	18.6	
36 1,1,1-Trichloroethane	97	5.241	5.241	0.000	255554	17.9	
37 2-Butanone (MEK)	43	5.340	5.340	0.000	509785	206.0	
38 1,1-Dichloropropene	75	5.345	5.345	0.000	264874	19.4	
39 n-Heptane	43	5.520	5.520	0.000	505913	20.7	
40 Benzene	78	5.562	5.562	0.000	731797	19.8	
41 Tert-amyl methyl ether	73	5.650	5.650	0.000	365390	17.5	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.676	5.676	0.000	22921	20.0	
43 1,2-Dichloroethane	62	5.727	5.727	0.000	168288	18.9	
* 44 Fluorobenzene	96	5.903	5.903	0.000	547408	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.924	5.924	0.000	182795	19.5	
46 Isopropyl acetate	43	5.929	5.929	0.000	2257354	198.7	
47 Methylcyclohexane	83	6.027	6.027	0.000	319293	18.6	
48 Trichloroethene	95	6.032	6.032	0.000	176370	21.2	
49 2,4,4-Trimethyl-2-pentene	112	6.063	6.063	0.000	96347	18.8	
50 Dibromomethane	93	6.378	6.378	0.000	63807	19.5	
51 1,2-Dichloropropane	63	6.461	6.461	0.000	169277	22.0	
52 Dichlorobromomethane	83	6.502	6.502	0.000	183354	19.4	
53 Methyl methacrylate	69	6.626	6.626	0.000	49778	20.6	
54 1,4-Dioxane	88	6.678	6.678	0.000	5692	232.2	
55 n-Propyl acetate	43	6.735	6.735	0.000	1520348	223.5	
56 2-Chloroethyl vinyl ether	63	6.952	6.952	0.000	444985	418.9	
57 cis-1,3-Dichloropropene	75	7.004	7.004	0.000	228271	21.0	
$ 58 Toluene-d8 (Surr)	98	7.148	7.148	0.000	519771	21.4	
59 Toluene	92	7.185	7.185	0.000	410156	21.8	
60 Tetrachloroethene	164	7.479	7.479	0.000	115437	22.6	
61 4-Methyl-2-pentanone (MIBK)	43	7.479	7.479	0.000	1063438	190.2	
62 trans-1,3-Dichloropropene	75	7.505	7.505	0.000	164081	20.6	
63 Isobutyl acetate	43	7.562	7.562	0.000	3070993	191.5	
64 1,1,2-Trichloroethane	83	7.629	7.629	0.000	70065	20.5	
65 Chlorodibromomethane	129	7.763	7.763	0.000	80874	19.6	
66 1,3-Dichloropropane	76	7.841	7.841	0.000	156388	20.2	
67 Ethylene Dibromide	107	7.955	7.955	0.000	70012	20.3	
68 n-Butyl acetate	43	8.032	8.032	0.000	1731203	191.7	
69 2-Hexanone	43	8.115	8.115	0.000	708349	203.4	
* 70 Chlorobenzene-d5	117	8.337	8.337	0.000	344477	20.0	
71 Chlorobenzene	112	8.352	8.352	0.000	379340	20.2	
72 Ethylbenzene	91	8.368	8.368	0.000	767838	20.9	
73 1,1,1,2-Tetrachloroethane	131	8.399	8.399	0.000	108133	18.9	
74 m-Xylene & p-Xylene	91	8.477	8.477	0.000	1164770	38.6	
75 o-Xylene	91	8.807	8.807	0.000	604394	18.5	
76 Styrene	104	8.849	8.849	0.000	421968	19.0	
77 Bromoform	173	8.874	8.874	0.000	44176	19.0	
78 Isopropylbenzene	105	9.045	9.045	0.000	739874	19.1	
$ 80 4-Bromofluorobenzene	95	9.272	9.272	0.000	176755	17.9	
81 Bromobenzene	77	9.355	9.355	0.000	297369	16.9	
82 N-Propylbenzene	91	9.365	9.365	0.000	926726	18.5	
83 1,1,2,2-Tetrachloroethane	83	9.422	9.422	0.000	87337	18.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.495	9.495	0.000	589518	17.8	
85 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	584560	18.4	
86 1,2,3-Trichloropropane	110	9.536	9.536	0.000	19108	17.8	
87 trans-1,4-Dichloro-2-butene	53	9.562	9.562	0.000	29861	16.3	
88 4-Chlorotoluene	91	9.624	9.624	0.000	521243	17.9	
89 tert-Butylbenzene	119	9.768	9.768	0.000	475287	18.7	
90 1,2,4-Trimethylbenzene	105	9.820	9.820	0.000	577974	17.8	
91 sec-Butylbenzene	105	9.908	9.908	0.000	811755	18.7	
92 4-Isopropyltoluene	119	10.017	10.017	0.000	605294	18.5	
93 1,3-Dichlorobenzene	146	10.084	10.084	0.000	250187	17.3	
* 94 1,4-Dichlorobenzene-d4	152	10.146	10.146	0.000	140268	20.0	
95 1,4-Dichlorobenzene	146	10.156	10.156	0.000	243022	19.4	
96 n-Butylbenzene	91	10.358	10.358	0.000	668490	20.7	
97 1,2-Dichlorobenzene	146	10.513	10.513	0.000	203636	19.5	
98 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.000	9912	18.4	
99 1,3,5-Trichlorobenzene	180	11.319	11.319	0.000	197704	21.8	
100 Hexachlorobutadiene	225	12.042	12.042	0.000	77764	21.4	
101 1,2,4-Trichlorobenzene	180	12.094	12.094	0.000	138443	20.2	
102 Naphthalene	128	12.559	12.559	0.000	165556	18.3	
103 1,2,3-Trichlorobenzene	180	12.838	12.838	0.000	101778	20.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 08:24:35 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45137.D

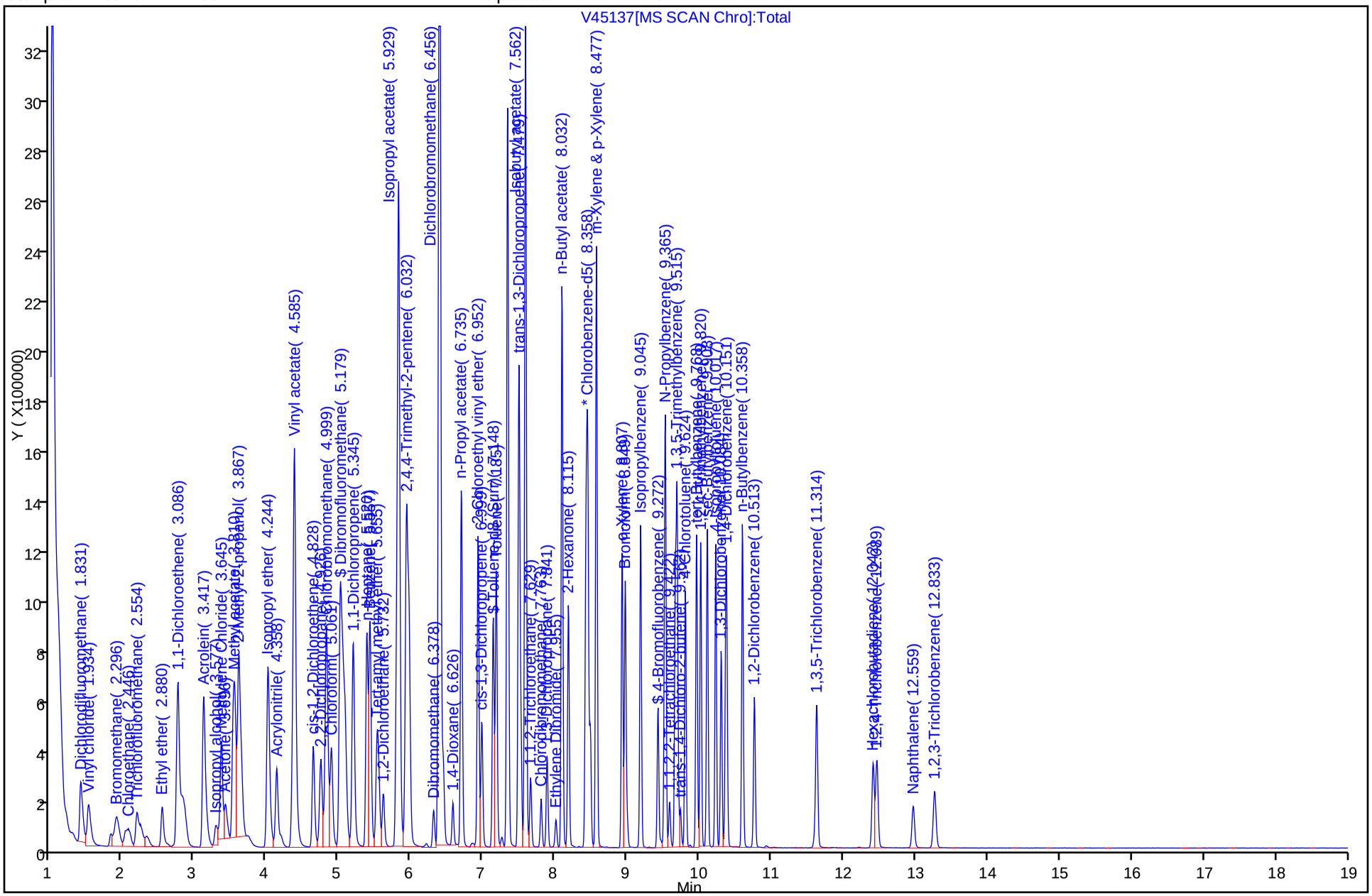
Inj Date: 18-Sep-2009 15:58:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



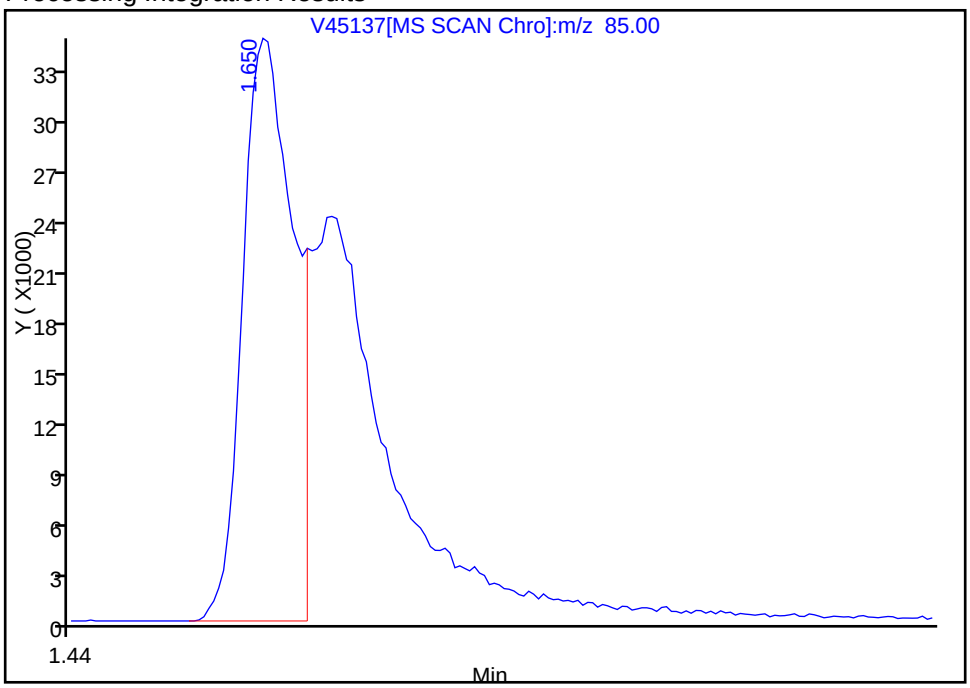
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45137.D		
Inj Date:	18-Sep-2009 15:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.65

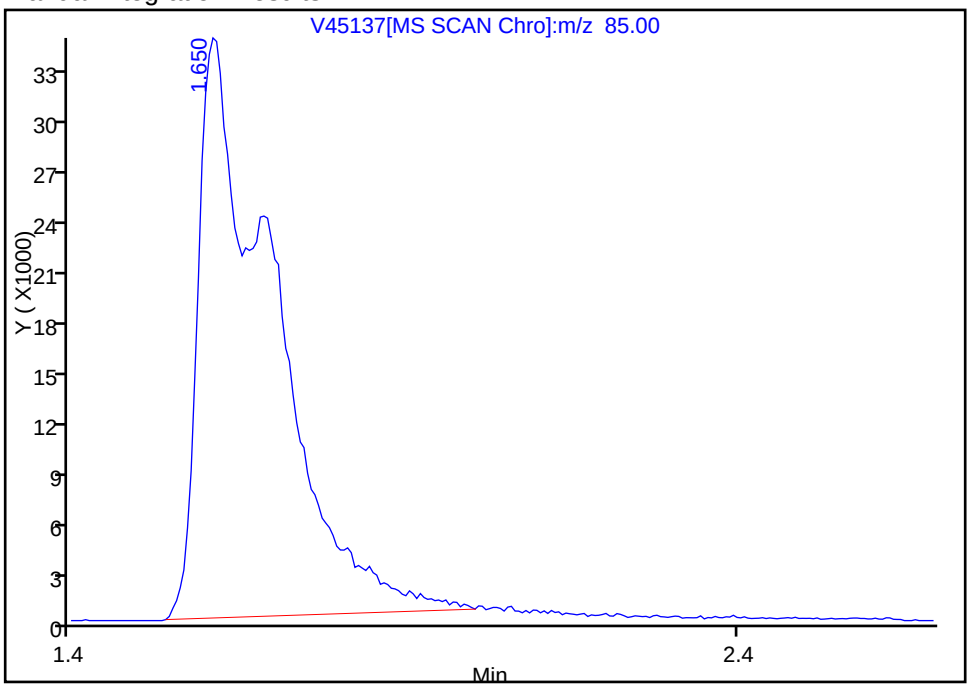
Processing Integration Results

RT: 1.65
Response: 131849
Amount: 9.981115



Manual Integration Results

RT: 1.65
Response: 257007
Amount: 19.455714



Reviewer: rouleauc, 21-Sep-2009 08:24:34
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06680.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	03-Sep-2009 16:33:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	bfb		
Misc. Info.:	360-0001074-001		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48601	Lims Sample ID:	1
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\WES2UNPR.m		
Last Update:	04-Sep-2009 10:36:01	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	04-Sep-2009 10:36:01

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 84 BFB	1	95	10.566	10.566	0.000	121448		

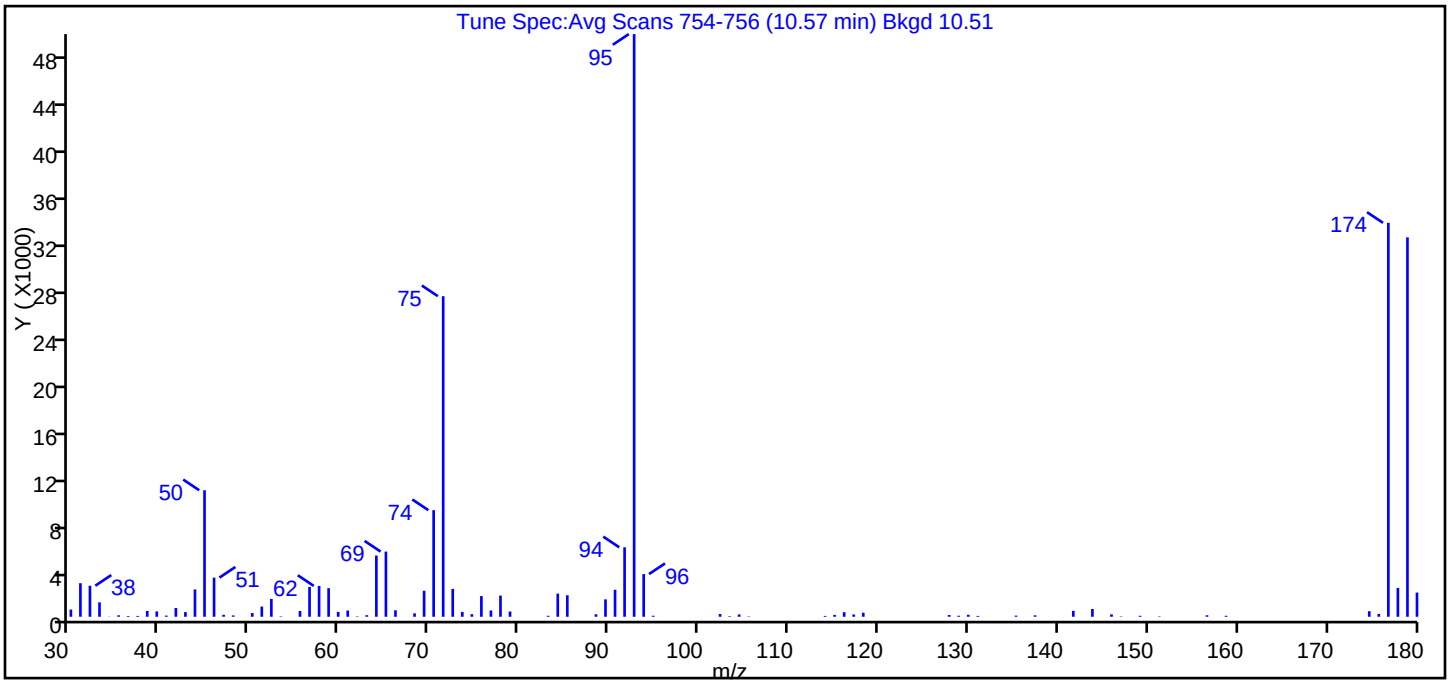
Report Date: 04-Sep-2009 10:36:02

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06680.D		
Inj Date:	03-Sep-2009 16:33:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48601	Lims Sample ID:	1
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	bfb		
Sample Amount:	1.00	Operator:	CT

$ 84 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.72
75	30.00 - 60.00% of mass 95	55.02
96	5.00 - 9.00% of mass 95	7.33
173	Less than 2.00% of mass 174	0.49 (0.73)
174	Greater than 50.00% of mass 95	67.61
175	5.00 - 9.00% of mass 174	4.95 (7.32)
176	95.00 - 101.00% of mass 174	65.11 (96.31)
177	5.00 - 9.00% of mass 176	4.15 (6.38)

Report Date: 04-Sep-2009 10:36:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06680.D\WES2UNPR.rslt\spectra.d
Injection Date: 03-Sep-2009 16:33:30
Spectrum: Tune Spec:Avg Scans 754-756 (10.57 min) Bkgd 10.51
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	612	57.00	1507	75.00	27136	95.00	49320
37.00	2840	61.00	2527	76.00	2357	96.00	3613
38.00	2628	62.00	2612	79.00	1750	141.00	504
39.00	1222	63.00	2420	80.00	534	143.00	660
44.00	493	65.00	528	81.00	1794	174.00	33344
47.00	741	68.00	5182	87.00	1958	175.00	2440
49.00	2314	69.00	5518	88.00	1820	176.00	32112
50.00	10710	70.00	546	92.00	1474	177.00	2049
51.00	3313	73.00	2204	93.00	2289		
56.00	866	74.00	9025	94.00	5879		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06970.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Sep-2009 16:05:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	bfb		
Misc. Info.:	360-0001213-001		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49119	Lims Sample ID:	1
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:08:42	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	18-Sep-2009 08:08:42

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 84 BFB	1	95	10.566	10.566	0.000	154558		

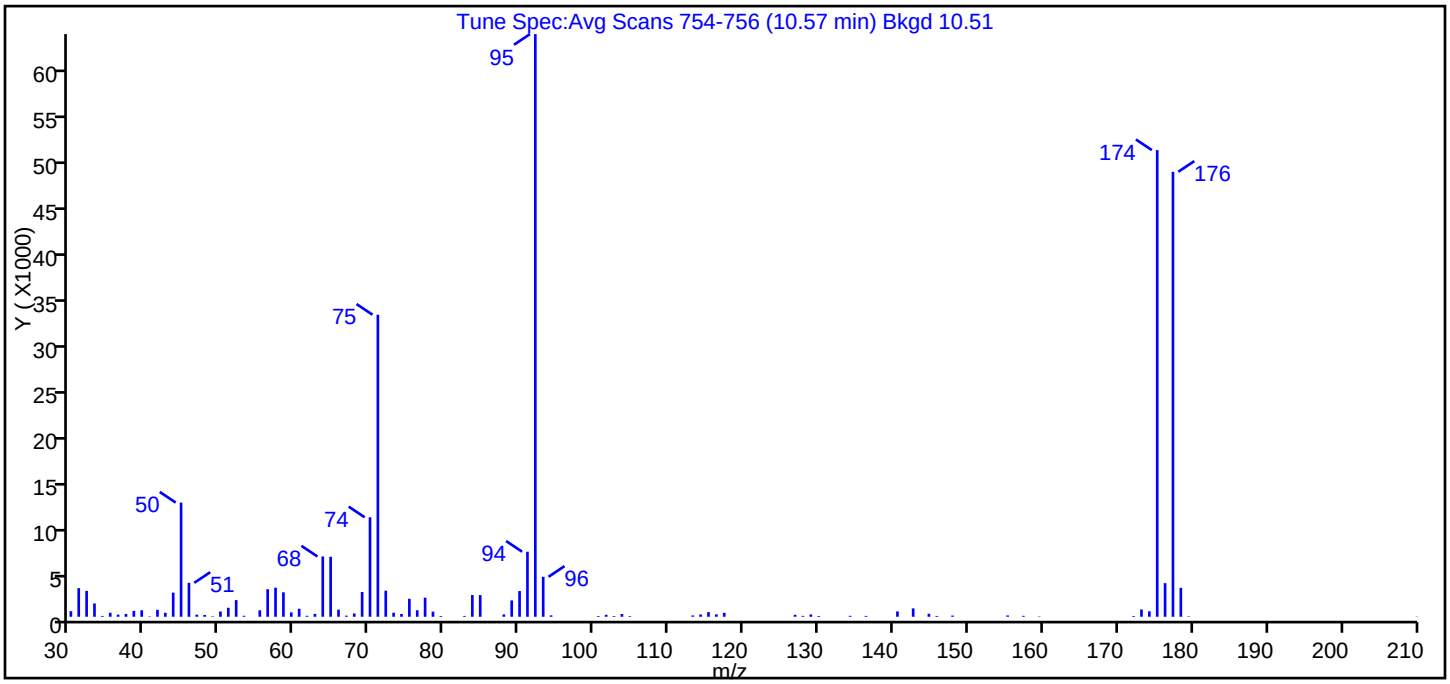
Report Date: 18-Sep-2009 08:08:43

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06970.D		
Inj Date:	17-Sep-2009 16:05:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49119	Lims Sample ID:	1
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	bfb		
Sample Amount:	1.00	Operator:	CT

$ 84 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.59
75	30.00 - 60.00% of mass 95	51.84
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.93 (1.17)
174	Greater than 50.00% of mass 95	80.09
175	5.00 - 9.00% of mass 174	5.77 (7.21)
176	95.00 - 101.00% of mass 174	76.37 (95.36)
177	5.00 - 9.00% of mass 176	4.97 (6.50)

Report Date: 18-Sep-2009 08:08:43 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06970.D\WES2UNPR.rslt\spectra.d
Injection Date: 17-Sep-2009 16:05:30
Spectrum: Tune Spec:Avg Scans 754-756 (10.57 min) Bkgd 10.51
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	3121	57.00	1818	74.00	10846	94.00	7092
38.00	2827	60.00	705	75.00	32928	95.00	63520
39.00	1451	61.00	3001	76.00	2844	96.00	4357
44.00	642	62.00	3165	79.00	1963	143.00	914
45.00	705	63.00	2669	80.00	712	172.00	799
47.00	760	65.00	869	81.00	2083	174.00	50872
49.00	2630	68.00	6571	87.00	2374	175.00	3666
50.00	12446	69.00	6536	88.00	2362	176.00	48512
51.00	3700	70.00	774	92.00	1784	177.00	3155
56.00	982	73.00	2697	93.00	2807		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	08-Sep-2009 15:37:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001106-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48701	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:10:30	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:10:30

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.268	9.268	0.000	208109		

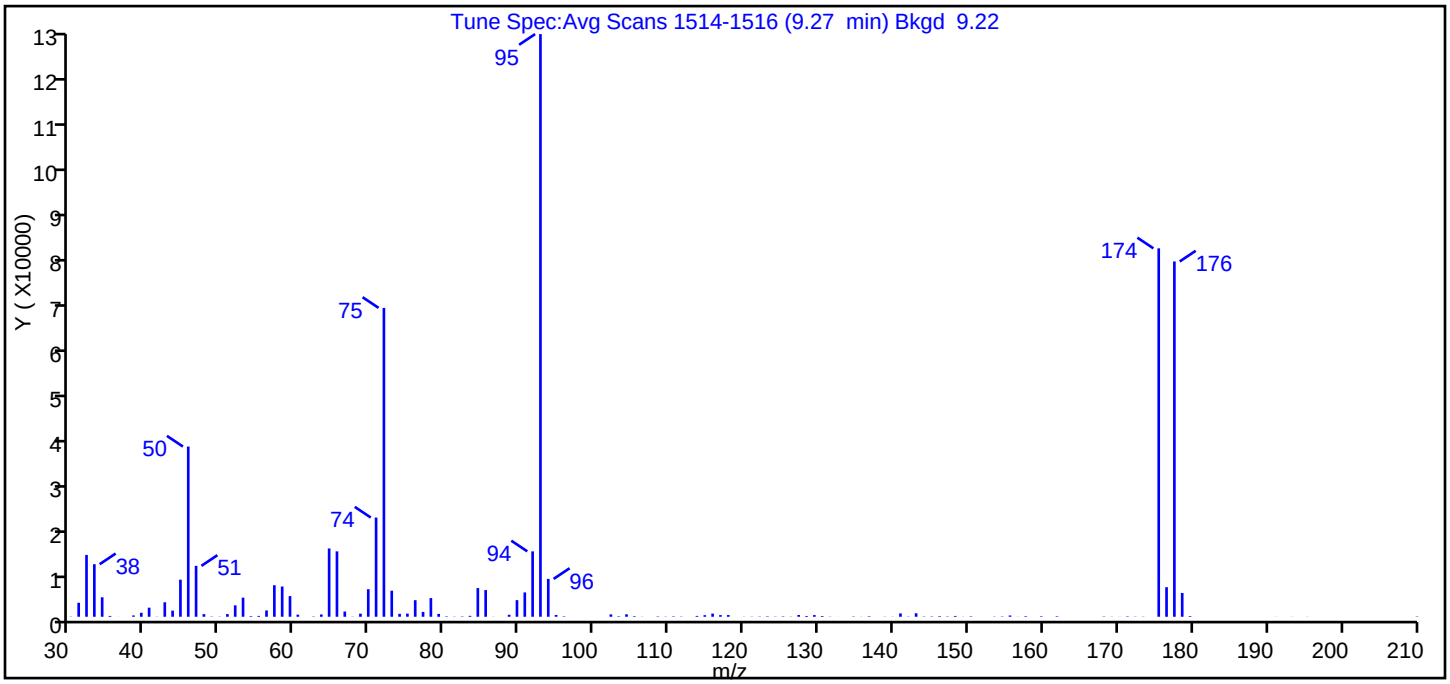
Report Date: 09-Sep-2009 10:10:30

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D		
Inj Date:	08-Sep-2009 15:37:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.21
75	30.00 - 60.00% of mass 95	53.01
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.23
175	5.00 - 9.00% of mass 174	5.08 (8.03)
176	95.00 - 101.00% of mass 174	60.98 (96.44)
177	5.00 - 9.00% of mass 176	4.09 (6.70)

Report Date: 09-Sep-2009 10:10:30 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D\WES1SOIL.rslt\spectra.d
Injection Date: 08-Sep-2009 15:37:30
Spectrum: Tune Spec:Avg Scans 1514-1516 (9.27 min) Bkgd 9.22
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2932	51.00	10680	73.00	5781	93.00	5109
37.00	12963	56.00	2396	74.00	20808	94.00	13718
38.00	11023	57.00	4007	75.00	64776	95.00	122192
39.00	4084	60.00	1324	76.00	5467	96.00	7942
45.00	1905	61.00	6614	79.00	3477	174.00	77264
47.00	3039	62.00	6347	81.00	3921	175.00	6205
48.00	1288	63.00	4337	87.00	6022	176.00	74512
49.00	7780	68.00	14324	88.00	5597	177.00	4992
50.00	35696	69.00	13716	92.00	3489		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45047.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	16-Sep-2009 16:13:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001195-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49049	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 09:15:28	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 09:15:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.251	9.251	0.000	182704		

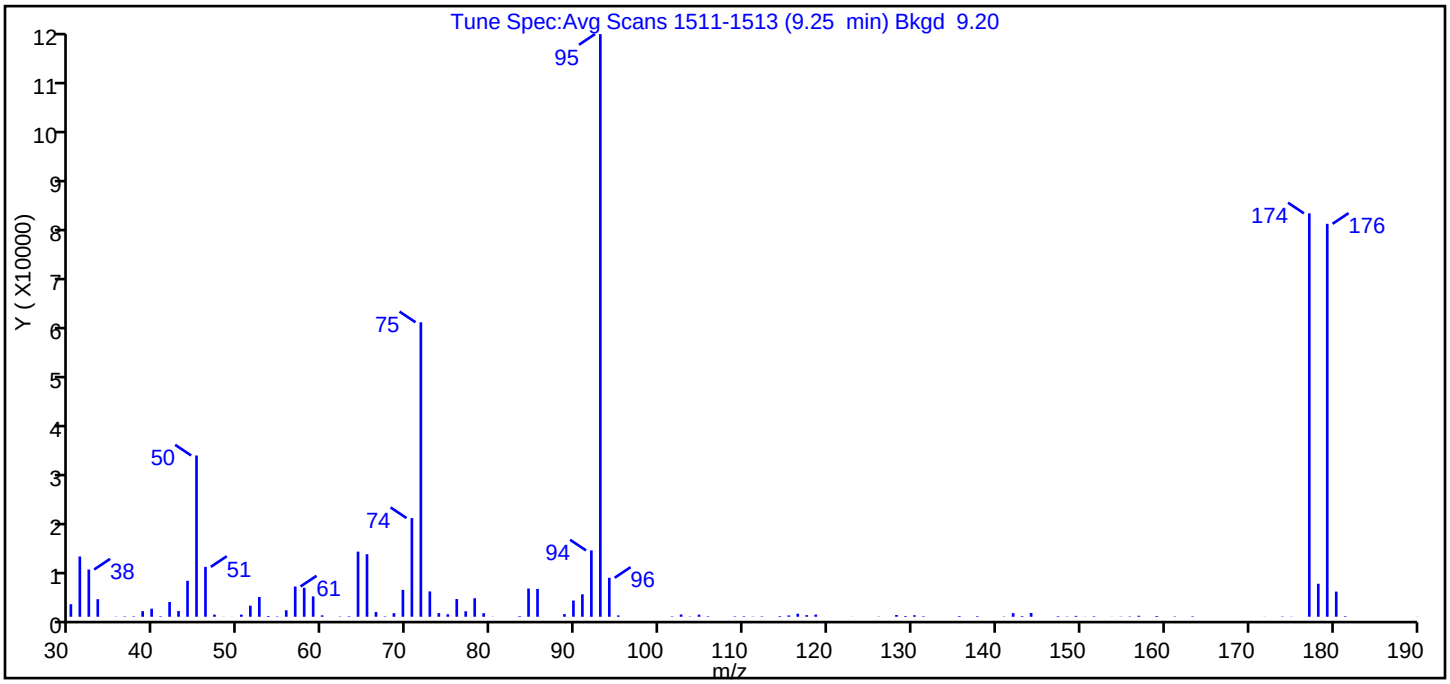
Report Date: 17-Sep-2009 09:15:28

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45047.D		
Inj Date:	16-Sep-2009 16:13:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.68
75	30.00 - 60.00% of mass 95	50.54
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	69.23
175	5.00 - 9.00% of mass 174	5.67 (8.19)
176	95.00 - 101.00% of mass 174	67.44 (97.41)
177	5.00 - 9.00% of mass 176	4.32 (6.40)

Report Date: 17-Sep-2009 09:15:28 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45047.D\WES1SOIL.rslt\spectra.d
Injection Date: 16-Sep-2009 16:13:30
Spectrum: Tune Spec:Avg Scans 1511-1513 (9.25 min) Bkgd 9.20
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2378	56.00	2106	74.00	18696	94.00	12568
37.00	11418	57.00	3743	75.00	55792	95.00	110384
38.00	8950	60.00	1225	76.00	4804	96.00	7386
39.00	3330	61.00	5741	79.00	3358	174.00	76424
45.00	1528	62.00	5496	81.00	3511	175.00	6257
47.00	2799	63.00	3861	87.00	5347	176.00	74448
49.00	6810	68.00	12345	88.00	5279	177.00	4768
50.00	30552	69.00	11854	92.00	3074		
51.00	9450	73.00	5092	93.00	4250		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45086.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Sep-2009 13:02:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001210-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49101	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 13:53:05	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 13:53:05

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.251	9.251	0.000	145086		

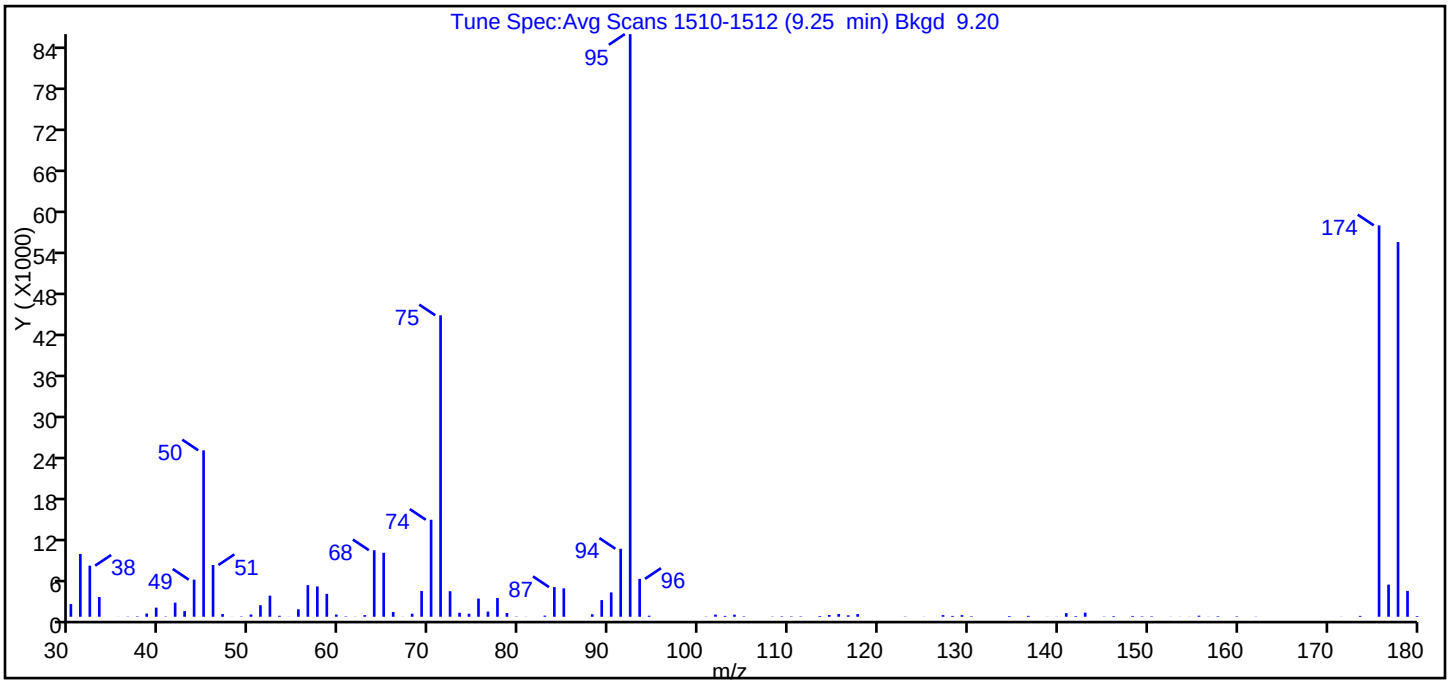
Report Date: 17-Sep-2009 13:53:06

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45086.D		
Inj Date:	17-Sep-2009 13:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.57
75	30.00 - 60.00% of mass 95	51.74
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.18
175	5.00 - 9.00% of mass 174	5.52 (8.22)
176	95.00 - 101.00% of mass 174	64.31 (95.73)
177	5.00 - 9.00% of mass 176	4.44 (6.90)

Report Date: 17-Sep-2009 13:53:06 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45086.D\WES1SOIL.rslt\spectra.d
Injection Date: 17-Sep-2009 13:02:30
Spectrum: Tune Spec:Avg Scans 1510-1512 (9.25 min) Bkgd 9.20
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1856	56.00	1689	74.00	14182	94.00	9941
37.00	9183	57.00	3082	75.00	44064	95.00	85160
38.00	7470	60.00	1094	76.00	3740	96.00	5541
39.00	2885	61.00	4624	79.00	2663	174.00	57208
45.00	1334	62.00	4429	81.00	2745	175.00	4700
47.00	2062	63.00	3353	87.00	4338	176.00	54768
49.00	5425	68.00	9728	88.00	4155	177.00	3781
50.00	24328	69.00	9344	92.00	2438		
51.00	7561	73.00	3773	93.00	3558		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45136.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	18-Sep-2009 15:34:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001222-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49180	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:17:16	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	21-Sep-2009 08:17:16

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.272	9.272	0.000	156336		

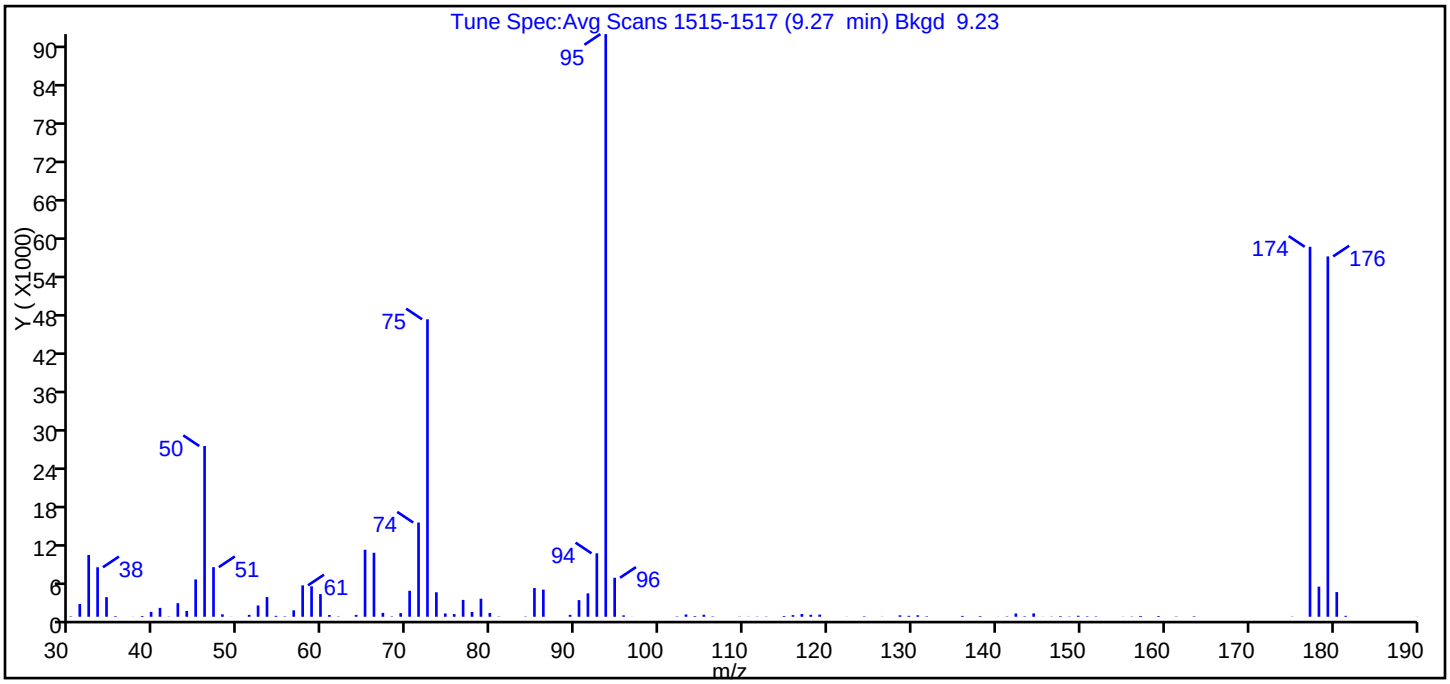
Report Date: 21-Sep-2009 08:17:18

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45136.D		
Inj Date:	18-Sep-2009 15:34:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49180	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.31
75	30.00 - 60.00% of mass 95	51.05
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.50
175	5.00 - 9.00% of mass 174	5.17 (8.14)
176	95.00 - 101.00% of mass 174	61.85 (97.40)
177	5.00 - 9.00% of mass 176	4.24 (6.85)

Report Date: 21-Sep-2009 08:17:18 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45136.D\WES1SOIL.rslt\spectra.d
Injection Date: 18-Sep-2009 15:34:30
Spectrum: Tune Spec:Avg Scans 1515-1517 (9.27 min) Bkgd 9.23
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2009	56.00	1786	74.00	14860	94.00	10008
37.00	9738	57.00	3107	75.00	46912	95.00	91888
38.00	7811	60.00	1018	76.00	3867	96.00	6150
39.00	3094	61.00	4955	79.00	2657	174.00	58352
45.00	1403	62.00	4801	81.00	2848	175.00	4751
47.00	2141	63.00	3574	87.00	4528	176.00	56832
49.00	5893	68.00	10566	88.00	4284	177.00	3894
50.00	26928	69.00	10092	92.00	2632		
51.00	7827	73.00	4100	93.00	3692		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49046/3-A

Matrix: Solid | Lab File ID: V45054.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49046/3-A

Matrix: Solid | Lab File ID: V45054.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49046/3-A

Matrix: Solid | Lab File ID: V45054.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	105	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: MB 360-49046/3-A

Matrix: Solid Lab File ID: V45054.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/16/2009 18:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49049 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 1.22

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.36	1.22	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45054.D		
Lims ID:	MB 360-49046/3-A	Client ID:	
Inject. Date:	16-Sep-2009 18:58:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49046/3-A		
Misc. Info.:	360-0001195-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49049	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 10:10:34
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:23:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.264				1
5 Chloroethane	64		2.404				1
6 Trichlorofluoromethane	101		2.538				1
7 Ethyl ether	59		2.859				1
8 1,1-Dichloroethene	96		3.050				1
10 Carbon disulfide	76		3.065				79
9 Ethanol	45		3.065				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.127				1
12 Acrolein	56		3.391				
13 Isopropyl alcohol	45		3.551				7
14 Methylene Chloride	84		3.618				7
15 Acetone	43		3.675				7
16 trans-1,2-Dichloroethene	61		3.768				1
17 Methyl acetate	43		3.789				1
18 Hexane	57		3.846				479
19 Methyl tert-butyl ether	73		3.877				1
20 2-Methyl-2-propanol	59		3.970				
21 Isopropyl ether	45		4.218				1
22 1,1-Dichloroethane	63		4.332				1
23 Acrylonitrile	53		4.388				1
24 Tert-butyl ethyl ether	59		4.543				1
25 Vinyl acetate	43		4.559				1
26 cis-1,2-Dichloroethene	61		4.802				1
27 2,2-Dichloropropane	77		4.900				1
28 Cyclohexane	56		4.972				1
29 Chlorobromomethane	130		4.972				1
30 Chloroform	83		5.034				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43		5.148				1
32 Carbon tetrachloride	117		5.153				1
33 Tetrahydrofuran	42		5.169				
34 sec-Butyl Alcohol	45		5.179				1
$ 35 Dibromofluoromethane	113	5.184	5.195	-0.011	91695	20.0	
36 1,1,1-Trichloroethane	97		5.215				1
37 2-Butanone (MEK)	43		5.308				
38 1,1-Dichloropropene	75		5.319				1
39 n-Heptane	43		5.494				1
40 Benzene	78		5.530				7
41 Tert-amyl methyl ether	73		5.623				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.639	5.644	-0.005	16345	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.866	5.877	-0.011	393077	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.897				
46 Isopropyl acetate	43		5.903				1
47 Methylcyclohexane	83		6.001				1
48 Trichloroethene	95		6.006				1
49 2,4,4-Trimethyl-2-pentene	112		6.037				1
50 Dibromomethane	93		6.352				1
51 1,2-Dichloropropane	63		6.435				1
52 Dichlorobromomethane	83		6.476				1
53 Methyl methacrylate	69		6.605				1
54 1,4-Dioxane	88		6.642				1
55 n-Propyl acetate	43		6.714				1
56 2-Chloroethyl vinyl ether	63		6.931				1
57 cis-1,3-Dichloropropene	75		6.977				1
$ 58 Toluene-d8 (Surr)	98	7.117	7.122	-0.005	352391	20.2	
59 Toluene	92		7.163				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.458				1
62 trans-1,3-Dichloropropene	75		7.479				1
63 Isobutyl acetate	43		7.541				
64 1,1,2-Trichloroethane	83		7.608				1
65 Chlorodibromomethane	129		7.742				1
66 1,3-Dichloropropane	76		7.820				1
67 Ethylene Dibromide	107		7.934				1
68 n-Butyl acetate	43	8.006	8.011	-0.005	2424	0.3737	
69 2-Hexanone	43	8.089	8.094	-0.005	1530	0.2242	
* 70 Chlorobenzene-d5	117	8.311	8.316	-0.005	236974	20.0	
71 Chlorobenzene	112		8.331				479
72 Ethylbenzene	91		8.347				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.455				1
75 o-Xylene	91		8.786				1
76 Styrene	104		8.828				47
77 Bromoform	173		8.853				1
78 Isopropylbenzene	105		9.024				1
$ 79 BFB	95	9.246	9.251	-0.005	142023		
$ 80 4-Bromofluorobenzene	95	9.246	9.251	-0.005	142102	20.9	
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.344				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
83 1,1,2,2-Tetrachloroethane	83		9.401				1
84 2-Chlorotoluene	91		9.474				79
85 1,3,5-Trimethylbenzene	105		9.494				1
86 1,2,3-Trichloropropane	110		9.515				1
87 trans-1,4-Dichloro-2-butene	53		9.541				479
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.747				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.887				1
92 4-Isopropyltoluene	119		9.995				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.125	-0.005	117976	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.492				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
99 1,3,5-Trichlorobenzene	180	11.288	11.287	0.001	464	0.0608	
100 Hexachlorobutadiene	225		12.016				1
101 1,2,4-Trichlorobenzene	180		12.063				7
102 Naphthalene	128		12.528				1
103 1,2,3-Trichlorobenzene	180		12.802				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45054.D		
Lims ID:	MB 360-49046/3-A	Client ID:	
Inject. Date:	16-Sep-2009 18:58:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49046/3-A		
Misc. Info.:	360-0001195-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49049	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 10:09:09	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:10:34
Reviewed By:	rouleauc	Date:	17-Sep-2009 10:23:28

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.357	11395	0.2440	94			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.120	933891	20.0

QC Flag Legend

Processing Flags

Report Date: 17-Sep-2009 10:23:28 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45054.D

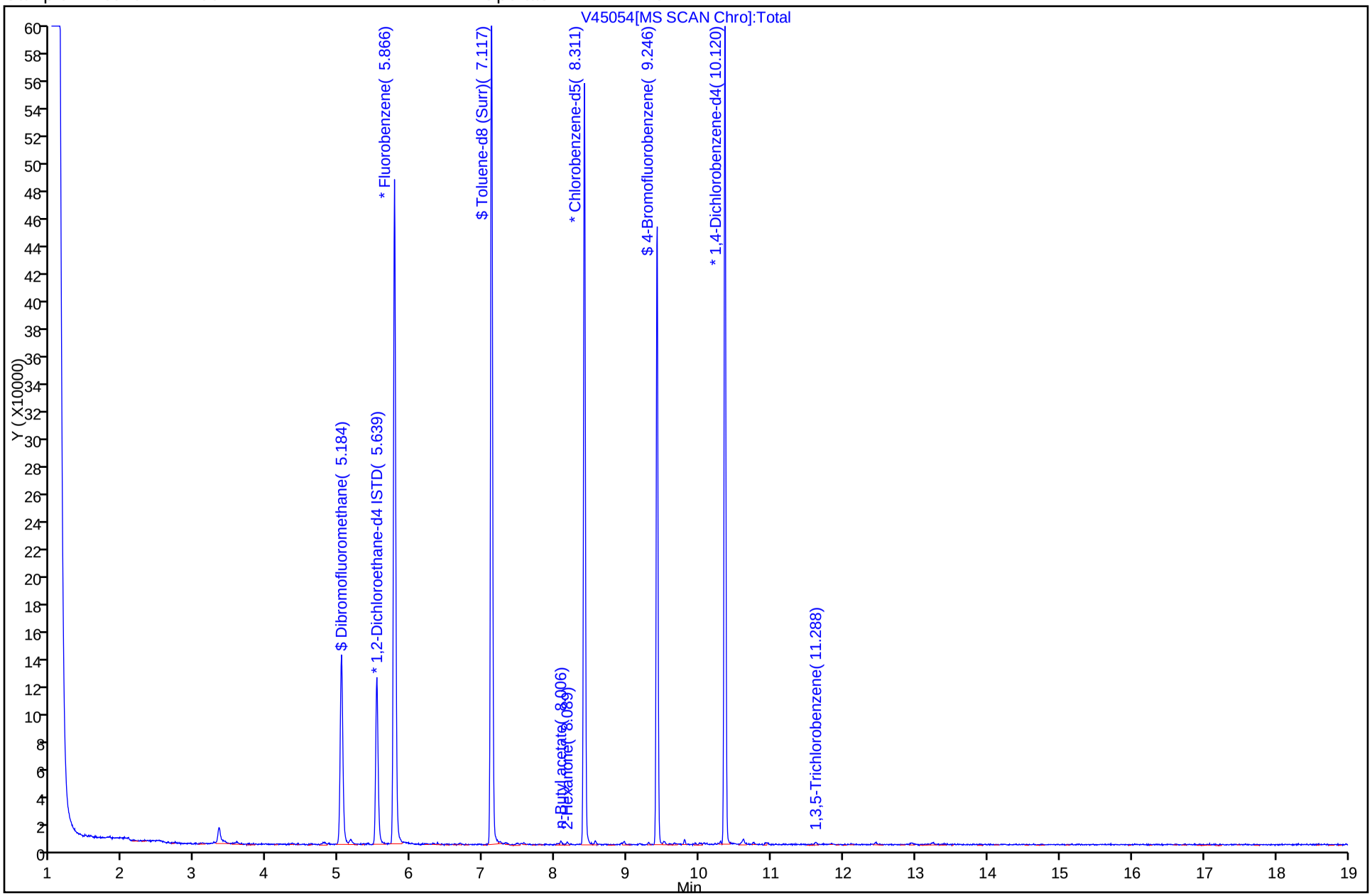
Inj Date: 16-Sep-2009 18:58:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49049 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: MB 360-49046/3-A

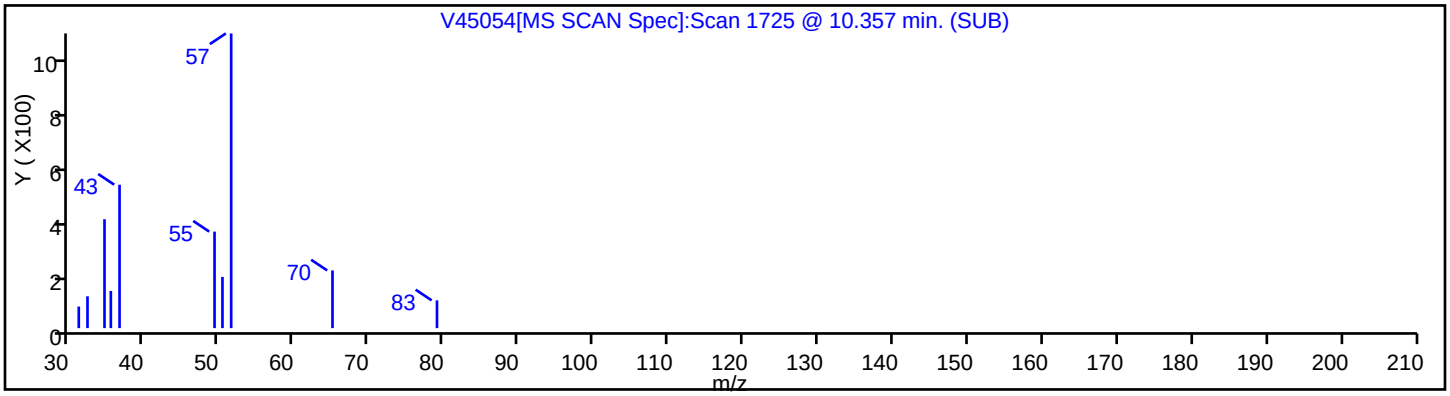
Sample Amount: 1.00 Operator: CR



Report Date: 17-Sep-2009 10:23:28 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45054.D		
Inj Date:	16-Sep-2009 18:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49049	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-49046/3-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49099/3-A

Matrix: Solid | Lab File ID: V45091.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 15:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49099/3-A

Matrix: Solid | Lab File ID: V45091.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 15:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49099/3-A

Matrix: Solid | Lab File ID: V45091.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 15:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	103	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: MB 360-49099/3-A

Matrix: Solid Lab File ID: V45091.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/17/2009 15:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49101 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.87

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.84	2.87	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45091.D		
Lims ID:	MB 360-49099/3-A	Client ID:	
Inject. Date:	17-Sep-2009 15:02:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49099/3-A		
Misc. Info.:	360-0001210-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49101	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 16:03:49
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:09:05

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				79
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.260				1
5 Chloroethane	64		2.384				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.061				1
9 Ethanol	45		3.071				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.112				1
12 Acrolein	56		3.386				
13 Isopropyl alcohol	45		3.546				7
14 Methylene Chloride	84		3.614				7
15 Acetone	43		3.670				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.784				1
18 Hexane	57		3.836				479
19 Methyl tert-butyl ether	73		3.867				1
20 2-Methyl-2-propanol	59		3.960				
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
23 Acrylonitrile	53		4.389				1
24 Tert-butyl ethyl ether	59		4.533				1
25 Vinyl acetate	43		4.554				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.890				1
28 Cyclohexane	56		4.962				1
29 Chlorobromomethane	130		4.968				1
30 Chloroform	83		5.030				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43		5.143				1
32 Carbon tetrachloride	117		5.143				1
33 Tetrahydrofuran	42		5.164				
34 sec-Butyl Alcohol	45		5.169				1
$ 35 Dibromofluoromethane	113	5.193	5.190	0.003	100035	20.2	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.303				1
38 1,1-Dichloropropene	75		5.314				1
39 n-Heptane	43		5.484				1
40 Benzene	78		5.526				7
41 Tert-amyl methyl ether	73		5.619				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.647	5.645	0.002	18225	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.875	5.872	0.003	425927	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.893				
46 Isopropyl acetate	43		5.898				1
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.001				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.347				1
51 1,2-Dichloropropane	63		6.430				1
52 Dichlorobromomethane	83		6.477				1
53 Methyl methacrylate	69		6.601				1
54 1,4-Dioxane	88		6.642				1
55 n-Propyl acetate	43		6.709				1
56 2-Chloroethyl vinyl ether	63		6.921				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.120	7.117	0.003	375653	19.9	
59 Toluene	92		7.159				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
63 Isobutyl acetate	43		7.536				
64 1,1,2-Trichloroethane	83		7.603				1
65 Chlorodibromomethane	129		7.738				1
66 1,3-Dichloropropane	76		7.815				1
67 Ethylene Dibromide	107		7.929				1
68 n-Butyl acetate	43	8.009	8.011	-0.002	2102	0.2991	
69 2-Hexanone	43		8.089				1
* 70 Chlorobenzene-d5	117	8.314	8.311	0.003	251888	20.0	
71 Chlorobenzene	112		8.327				479
72 Ethylbenzene	91		8.342				1
73 1,1,1,2-Tetrachloroethane	131		8.373				1
74 m-Xylene & p-Xylene	91		8.451				1
75 o-Xylene	91		8.781				1
76 Styrene	104		8.823				1
77 Bromoform	173		8.849				1
78 Isopropylbenzene	105		9.024				1
$ 80 4-Bromofluorobenzene	95	9.249	9.247	0.002	148478	20.6	
$ 79 BFB	95	9.249	9.251	-0.002	147892		
81 Bromobenzene	77		9.334				1
82 N-Propylbenzene	91		9.345				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
83 1,1,2,2-Tetrachloroethane	83		9.396				1
84 2-Chlorotoluene	91		9.474				1
85 1,3,5-Trimethylbenzene	105		9.495				1
86 1,2,3-Trichloropropane	110		9.510				1
87 trans-1,4-Dichloro-2-butene	53		9.536				1
88 4-Chlorotoluene	91		9.603				1
89 tert-Butylbenzene	119		9.748				1
90 1,2,4-Trimethylbenzene	105		9.799				1
91 sec-Butylbenzene	105		9.882				1
92 4-Isopropyltoluene	119		9.991				1
93 1,3-Dichlorobenzene	146		10.063				479
* 94 1,4-Dichlorobenzene-d4	152	10.123	10.120	0.003	126147	20.0	
95 1,4-Dichlorobenzene	146		10.135				479
96 n-Butylbenzene	91		10.337				1
97 1,2-Dichlorobenzene	146		10.487				1
98 1,2-Dibromo-3-Chloropropane	157		11.262				1
99 1,3,5-Trichlorobenzene	180	11.291	11.288	0.003	287	0.0351	
100 Hexachlorobutadiene	225		12.011				1
101 1,2,4-Trichlorobenzene	180		12.058				1
102 Naphthalene	128		12.523				1
103 1,2,3-Trichlorobenzene	180		12.797				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

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45091.D		
Lims ID:	MB 360-49099/3-A	Client ID:	
Inject. Date:	17-Sep-2009 15:02:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49099/3-A		
Misc. Info.:	360-0001210-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49101	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	18-Sep-2009 09:08:38	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	17-Sep-2009 16:03:49
Reviewed By:	rouleauc	Date:	18-Sep-2009 09:09:05

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.836	8568	0.5740	42			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 42 1,2-Dichloroethane-d4 IST	5.647	298513	20.0

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 09:09:06 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45091.D

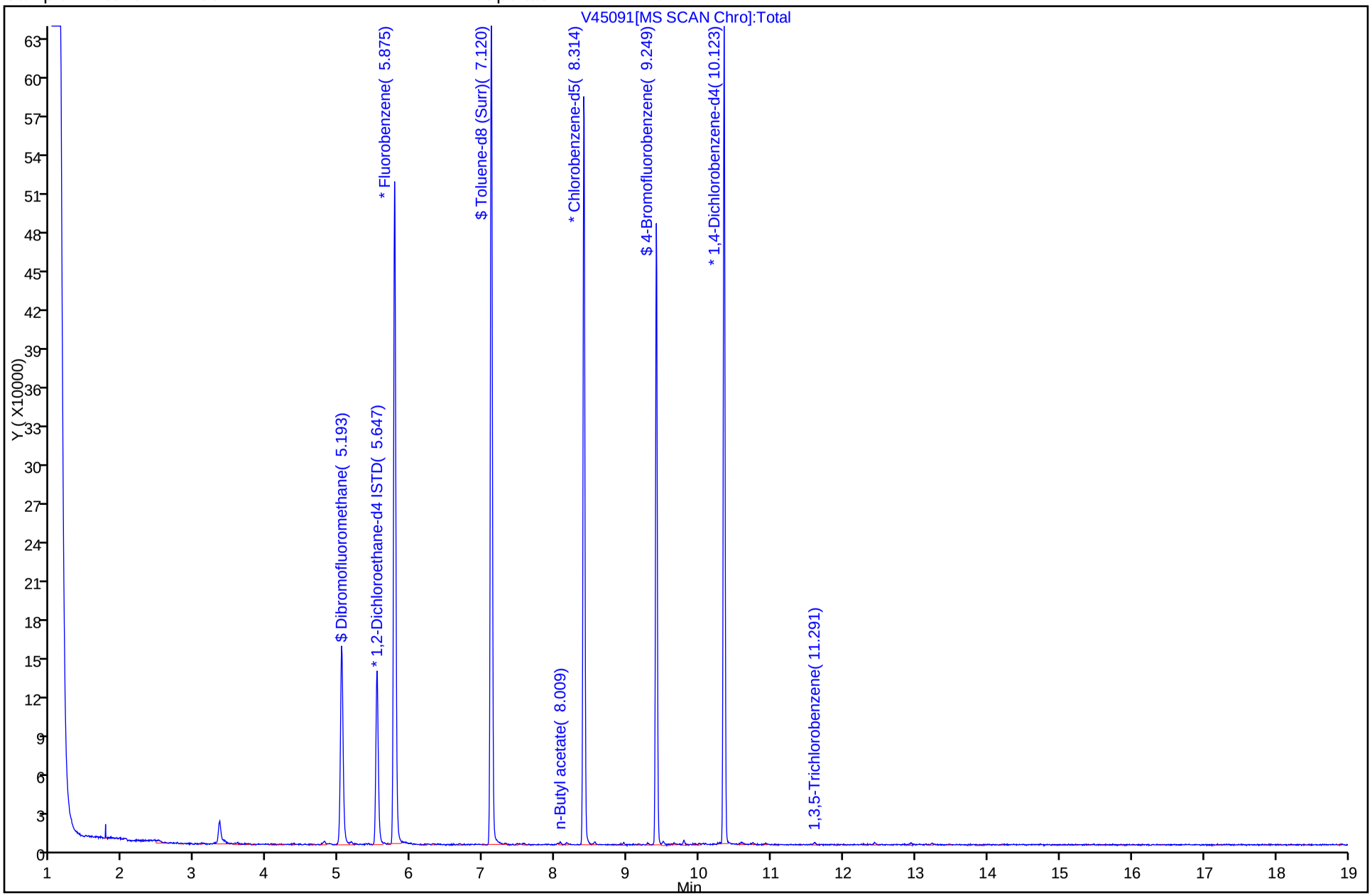
Inj Date: 17-Sep-2009 15:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49101 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: MB 360-49099/3-A

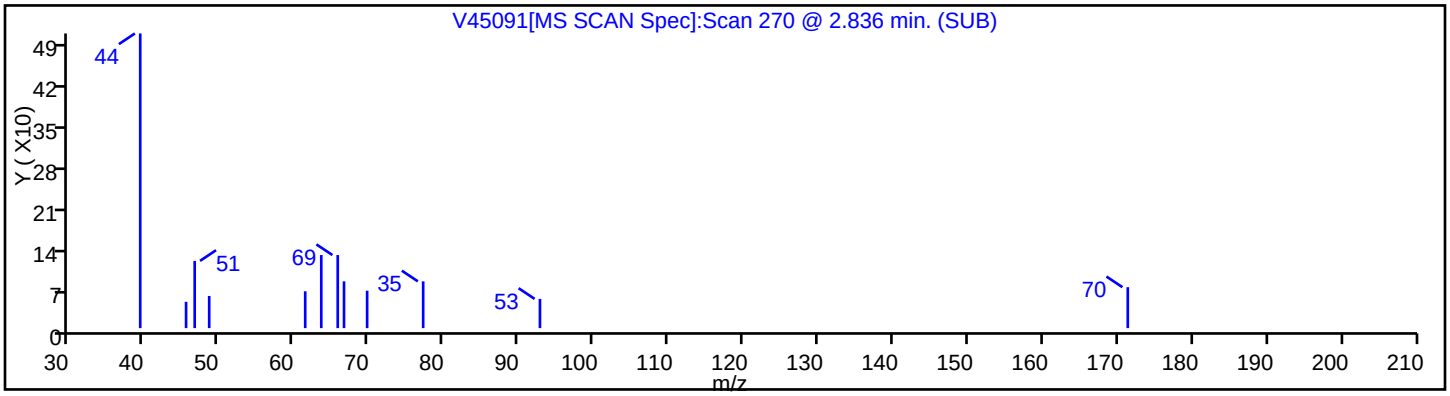
Sample Amount: 1.00 Operator: CR



Report Date: 18-Sep-2009 09:09:06 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45091.D		
Inj Date:	17-Sep-2009 15:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49101	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-49099/3-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49119/6

Matrix: Water | Lab File ID: V06975.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.70
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.61
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.63
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.72
75-34-3	1,1-Dichloroethane	ND		1.0	0.67
75-35-4	1,1-Dichloroethene	ND		1.0	0.64
563-58-6	1,1-Dichloropropene	ND		1.0	0.68
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.42
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.34
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.58
106-93-4	Ethylene Dibromide	ND		1.0	0.54
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.62
107-06-2	1,2-Dichloroethane	ND		1.0	0.62
78-87-5	1,2-Dichloropropane	ND		1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.66
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.64
142-28-9	1,3-Dichloropropane	ND		1.0	0.57
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.62
123-91-1	1,4-Dioxane	ND		50	7.7
594-20-7	2,2-Dichloropropane	ND		1.0	0.60
107-39-1	2,4,4-Trimethyl-1-pentene	ND		1.0	0.81
107-40-4	2,4,4-Trimethyl-2-pentene	ND		1.0	0.50
95-49-8	2-Chlorotoluene	ND		1.0	0.65
591-78-6	2-Hexanone	ND		10	7.3
106-43-4	4-Chlorotoluene	ND		1.0	0.62
67-64-1	Acetone	ND		50	20
71-43-2	Benzene	ND		1.0	0.74
108-86-1	Bromobenzene	ND		1.0	0.64
74-97-5	Chlorobromomethane	ND		1.0	0.78
75-27-4	Dichlorobromomethane	ND		1.0	0.63
75-25-2	Bromoform	ND		1.0	0.60
74-83-9	Bromomethane	ND		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49119/6

Matrix: Water | Lab File ID: V06975.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		1.0	0.59
75-15-0	Carbon disulfide	ND		10	0.62
56-23-5	Carbon tetrachloride	ND		1.0	0.71
108-90-7	Chlorobenzene	ND		1.0	0.65
75-00-3	Chloroethane	ND		2.0	0.40
67-66-3	Chloroform	ND		1.0	0.66
74-87-3	Chloromethane	ND		2.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.65
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.40
110-82-7	Cyclohexane	ND		10	2.8
124-48-1	Chlorodibromomethane	ND		0.50	0.50
74-95-3	Dibromomethane	ND		1.0	0.65
75-71-8	Dichlorodifluoromethane	ND		1.0	0.24
60-29-7	Ethyl ether	ND		10	0.63
108-20-3	Isopropyl ether	ND		10	0.62
637-92-3	Tert-butyl ethyl ether	ND		5.0	0.67
100-41-4	Ethylbenzene	ND		1.0	0.67
87-68-3	Hexachlorobutadiene	ND		0.40	0.40
98-82-8	Isopropylbenzene	ND		1.0	0.57
79-20-9	Methyl acetate	ND		10	16
78-93-3	2-Butanone (MEK)	ND		10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	8.5
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.63
108-87-2	Methylcyclohexane	ND		10	1.0
75-09-2	Methylene Chloride	ND		2.0	1.0
136777-61-2	m-Xylene & p-Xylene	ND		2.0	1.4
91-20-3	Naphthalene	ND		5.0	2.0
103-65-1	N-Propylbenzene	ND		1.0	0.70
95-47-6	o-Xylene	ND		1.0	0.54
99-87-6	4-Isopropyltoluene	ND		1.0	0.59
135-98-8	sec-Butylbenzene	ND		1.0	0.67
100-42-5	Styrene	ND		1.0	0.60
994-05-8	Tert-amyl methyl ether	ND		5.0	0.61
98-06-6	tert-Butylbenzene	ND		1.0	0.61
127-18-4	Tetrachloroethene	ND		1.0	0.48
109-99-9	Tetrahydrofuran	ND		10	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49119/6

Matrix: Water | Lab File ID: V06975.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.56
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.40
79-01-6	Trichloroethene	ND		1.0	0.59
75-69-4	Trichlorofluoromethane	ND		1.0	0.31
75-01-4	Vinyl chloride	ND		0.50	0.46

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	85	70-130	
1868-53-7	Dibromofluoromethane	112	70-130	
2037-26-5	Toluene-d8 (Surr)	96	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: MB 360-49119/6

Matrix: Water Lab File ID: V06975.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2009 17:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06975.D		
Lims ID:	MB	Client ID:	
Inject. Date:	17-Sep-2009 17:49:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb		
Misc. Info.:	360-0001213-006		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49119	Lims Sample ID:	6
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	18-Sep-2009 08:16:31

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.741				1
2 Chloromethane	1	50		1.907				1
3 Vinyl chloride	1	62		1.990				1
4 Bromomethane	1	94		2.287				1
5 Chloroethane	1	64		2.406				1
6 Trichlorofluoromethane	1	101		2.536				1
7 Ethyl ether	1	59		2.821				1
8 Ethanol	1	45		2.939				
9 1,1-Dichloroethene	1	96		3.034				1
10 Carbon disulfide	1	76		3.070				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.082				1
12 Acrolein	1	56		3.378				1
13 Isopropyl alcohol	1	45	3.521	3.532	-0.011	4818	11.1	
14 Methylene Chloride	1	84		3.639				1
15 Acetone	1	43		3.687				7
16 trans-1,2-Dichloroethene	1	61		3.805				1
17 Methyl acetate	1	43		3.817				1
18 Hexane	1	57		3.888				1
19 Methyl tert-butyl ether	1	73		3.924				1
20 2-Methyl-2-propanol	1	59		4.007				1
21 Isopropyl ether	1	45		4.327				1
22 1,1-Dichloroethane	1	63		4.470				1
23 Acrylonitrile	1	53		4.541				1
24 Tert-butyl ethyl ether	1	59		4.719				1
25 Vinyl acetate	1	43		4.742				1
S 26 1,2-Dichloroethene, Total	1	1		4.749				7
27 cis-1,2-Dichloroethene	1	61		5.051				1
28 2,2-Dichloropropane	1	77		5.181				1
29 Cyclohexane	1	56		5.264				1
30 Chlorobromomethane	1	130		5.276				1

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Chloroform	1	83		5.347				1
32 Ethyl acetate	1	43		5.490				1
33 Carbon tetrachloride	1	117		5.502				1
34 Tetrahydrofuran	1	42	5.525	5.513	0.012	6982	2.02	
35 sec-Butyl Alcohol	1	59		5.525				1
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	104404	22.5	
37 1,1,1-Trichloroethane	1	97		5.585				1
38 2-Butanone (MEK)	1	43		5.691				1
39 1,1-Dichloropropene	1	75		5.715				1
40 n-Heptane	1	43		5.952				1
41 Benzene	1	78		6.000				1
42 Tert-amyl methyl ether	1	73		6.118				1
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	19305	20.0	
44 1,2-Dichloroethane	1	62		6.225				1
* 45 Fluorobenzene	1	96	6.462	6.462	0.000	349733	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55		6.498				1
47 Isopropyl acetate	1	43		6.498				1
48 Methylcyclohexane	1	83		6.640				1
49 Trichloroethene	1	95		6.652				1
50 2,4,4-Trimethyl-2-pentene	1	55		6.700				1
51 Dibromomethane	1	93		7.115				1
52 1,2-Dichloropropane	1	63		7.221				1
53 Dichlorobromomethane	1	83		7.281				1
54 Methyl methacrylate	1	69		7.459				1
55 1,4-Dioxane	1	88		7.494				1
56 n-Propyl acetate	1	43		7.601				1
S 57 1,3-Dichloropropene, Total	1	1		7.662				7
58 2-Chloroethyl vinyl ether	1	63		7.874				1
59 cis-1,3-Dichloropropene	1	75		7.921				1
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	244481	19.2	
61 Toluene	1	92		8.158				1
62 sec-Butyl acetate	1	43		8.348				1
65 4-Methyl-2-pentanone (MIBK)	1	43		8.514				1
64 Tetrachloroethene	1	164		8.514				1
66 trans-1,3-Dichloropropene	1	75		8.550				1
63 Isobutyl acetate	1	43		8.633				1
68 1,1,2-Trichloroethane	1	83		8.692				1
69 Chlorodibromomethane	1	129		8.858				1
70 1,3-Dichloropropane	1	76		8.941				1
71 Ethylene Dibromide	1	107		9.071				1
67 n-Butyl acetate	1	43		9.190				1
72 2-Hexanone	1	43		9.273				1
S 73 Xylenes, Total	1	1		9.443				7
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	180580	20.0	
75 Chlorobenzene	1	112		9.534				1
76 Ethylbenzene	1	91		9.558				1
77 1,1,1,2-Tetrachloroethane	1	131		9.593				1
78 m-Xylene & p-Xylene	1	91		9.688				1
79 o-Xylene	1	91		10.056				1
80 Styrene	1	104		10.103				1
81 Bromoform	1	173		10.127				1
82 Isopropylbenzene	1	105		10.317				1

Report Date: 18-Sep-2009 08:16:31 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06975.D

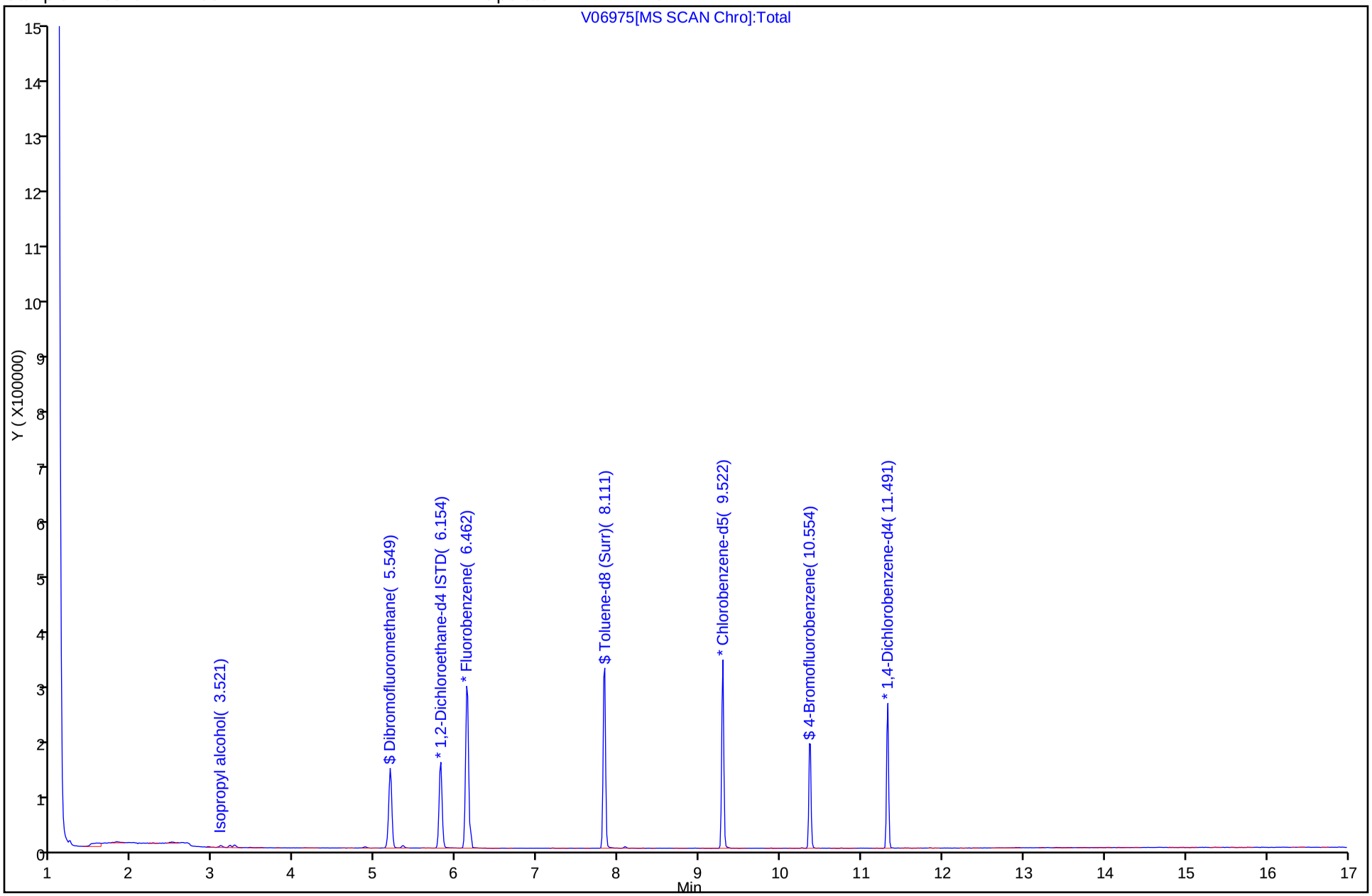
Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	71964	17.0	
$ 84 BFB	1	95	10.554	10.566	-0.012	71957		
85 Bromobenzene	1	77		10.649				1
86 N-Propylbenzene	1	91		10.672				1
87 1,1,2,2-Tetrachloroethane	1	83		10.720				1
88 2-Chlorotoluene	1	91		10.803				1
89 1,3,5-Trimethylbenzene	1	105		10.827				1
90 1,2,3-Trichloropropane	1	110		10.838				1
91 trans-1,4-Dichloro-2-butene	1	53		10.874				1
92 4-Chlorotoluene	1	91		10.933				1
93 tert-Butylbenzene	1	119		11.099				1
94 1,2,4-Trimethylbenzene	1	105		11.147				1
95 sec-Butylbenzene	1	105		11.242				1
96 4-Isopropyltoluene	1	119		11.360				1
97 1,3-Dichlorobenzene	1	146		11.431				1
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	67790	20.0	
99 1,4-Dichlorobenzene	1	146		11.503				1
100 n-Butylbenzene	1	91		11.704				1
101 1,2-Dichlorobenzene	1	146		11.846				1
102 1,2-Dibromo-3-Chloropropane	1	157		12.511				1
103 1,3,5-Trichlorobenzene	1	180		12.522				1
104 Hexachlorobutadiene	1	225		13.020				
105 1,2,4-Trichlorobenzene	1	180		13.056				1
106 Naphthalene	1	128		13.341				1
107 1,2,3-Trichlorobenzene	1	180		13.507				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 18-Sep-2009 08:16:31 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06975.D		
Inj Date:	17-Sep-2009 17:49:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	49119	Lims Sample ID:	6
Client ID:		Instrument:	Agilent#2 GC/MS
Sample Info:	mb		
Sample Amount:	1.00	Operator:	CT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49178/3-A

Matrix: Solid | Lab File ID: V45143.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 18:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49178/3-A

Matrix: Solid | Lab File ID: V45143.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 18:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49178/3-A

Matrix: Solid | Lab File ID: V45143.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 18:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	101	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: MB 360-49178/3-A

Matrix: Solid Lab File ID: V45143.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/18/2009 18:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 49180 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45143.D		
Lims ID:	MB 360-49178/3-A	Client ID:	
Inject. Date:	18-Sep-2009 18:22:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49178/3-A		
Misc. Info.:	360-0001222-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49180	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:27	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	21-Sep-2009 08:48:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.650				1
2 Chloromethane	50		1.831				79
3 Vinyl chloride	62		1.934				1
4 Bromomethane	94		2.296				479
5 Chloroethane	64		2.435				1
6 Trichlorofluoromethane	101		2.559				1
7 Ethyl ether	59		2.880				1
8 1,1-Dichloroethene	96		3.076				1
9 Ethanol	45		3.086				79
10 Carbon disulfide	76		3.092				47
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.154				1
12 Acrolein	56		3.417				
13 Isopropyl alcohol	45		3.577				7
14 Methylene Chloride	84		3.645				7
15 Acetone	43		3.701				7
16 trans-1,2-Dichloroethene	61		3.794				1
17 Methyl acetate	43		3.820				1
18 Hexane	57		3.872				7
19 Methyl tert-butyl ether	73		3.898				1
20 2-Methyl-2-propanol	59		3.996				
21 Isopropyl ether	45		4.244				1
22 1,1-Dichloroethane	63		4.358				1
23 Acrylonitrile	53		4.420				1
24 Tert-butyl ethyl ether	59		4.570				1
25 Vinyl acetate	43		4.585				1
26 cis-1,2-Dichloroethene	61		4.828				1
27 2,2-Dichloropropane	77		4.926				1
28 Cyclohexane	56		4.999				1
29 Chlorobromomethane	130		5.004				1
30 Chloroform	83		5.066				1
31 Ethyl acetate	43		5.174				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117		5.179				1
33 Tetrahydrofuran	42		5.195				
34 sec-Butyl Alcohol	45		5.210				1
$ 35 Dibromofluoromethane	113	5.205	5.221	-0.016	102888	19.9	
36 1,1,1-Trichloroethane	97		5.241				1
37 2-Butanone (MEK)	43		5.340				1
38 1,1-Dichloropropene	75		5.345				1
39 n-Heptane	43		5.520				1
40 Benzene	78		5.562				7
41 Tert-amyl methyl ether	73		5.650				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.660	5.676	-0.016	19472	20.0	
43 1,2-Dichloroethane	62		5.727				479
* 44 Fluorobenzene	96	5.887	5.903	-0.016	445199	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.924				
46 Isopropyl acetate	43		5.929				1
47 Methylcyclohexane	83		6.027				1
48 Trichloroethene	95		6.032				1
49 2,4,4-Trimethyl-2-pentene	112		6.063				1
50 Dibromomethane	93		6.378				1
51 1,2-Dichloropropane	63		6.461				1
52 Dichlorobromomethane	83		6.502				1
53 Methyl methacrylate	69		6.626				479
54 1,4-Dioxane	88		6.678				1
55 n-Propyl acetate	43		6.735				1
56 2-Chloroethyl vinyl ether	63		6.952				1
57 cis-1,3-Dichloropropene	75		7.004				1
$ 58 Toluene-d8 (Surr)	98	7.132	7.148	-0.016	400582	20.3	
59 Toluene	92		7.185				1
60 Tetrachloroethene	164		7.479				1
61 4-Methyl-2-pentanone (MIBK)	43		7.479				1
62 trans-1,3-Dichloropropene	75		7.505				1
63 Isobutyl acetate	43		7.562				
64 1,1,2-Trichloroethane	83		7.629				1
65 Chlorodibromomethane	129		7.763				1
66 1,3-Dichloropropane	76		7.841				1
67 Ethylene Dibromide	107		7.955				1
68 n-Butyl acetate	43	8.027	8.032	-0.005	1603	0.2182	
69 2-Hexanone	43	8.109	8.115	-0.006	1580	0.1701	
* 70 Chlorobenzene-d5	117	8.326	8.337	-0.011	269149	20.0	
71 Chlorobenzene	112		8.352				479
72 Ethylbenzene	91		8.368				1
73 1,1,1,2-Tetrachloroethane	131		8.399				1
74 m-Xylene & p-Xylene	91		8.477				1
75 o-Xylene	91		8.807				1
76 Styrene	104		8.849				1
77 Bromoform	173		8.874				1
78 Isopropylbenzene	105		9.045				1
$ 79 BFB	95	9.262	9.272	-0.010	155808		
$ 80 4-Bromofluorobenzene	95	9.262	9.272	-0.010	156098	20.2	
81 Bromobenzene	77		9.355				1
82 N-Propylbenzene	91		9.365				1
83 1,1,2,2-Tetrachloroethane	83		9.422				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91		9.495				79
85 1,3,5-Trimethylbenzene	105		9.515				1
86 1,2,3-Trichloropropane	110		9.536				1
87 trans-1,4-Dichloro-2-butene	53		9.562				1
88 4-Chlorotoluene	91		9.624				1
89 tert-Butylbenzene	119		9.768				1
90 1,2,4-Trimethylbenzene	105		9.820				1
91 sec-Butylbenzene	105		9.908				1
92 4-Isopropyltoluene	119		10.017				1
93 1,3-Dichlorobenzene	146		10.084				479
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.146	-0.011	126670	20.0	
95 1,4-Dichlorobenzene	146		10.156				479
96 n-Butylbenzene	91		10.358				1
97 1,2-Dichlorobenzene	146		10.513				1
98 1,2-Dibromo-3-Chloropropane	157		11.288				1
99 1,3,5-Trichlorobenzene	180	11.303	11.319	-0.016	357	0.0435	
100 Hexachlorobutadiene	225		12.042				1
101 1,2,4-Trichlorobenzene	180		12.094				7
102 Naphthalene	128		12.559				1
103 1,2,3-Trichlorobenzene	180		12.838				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: 21-Sep-2009 08:48:04 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45143.D

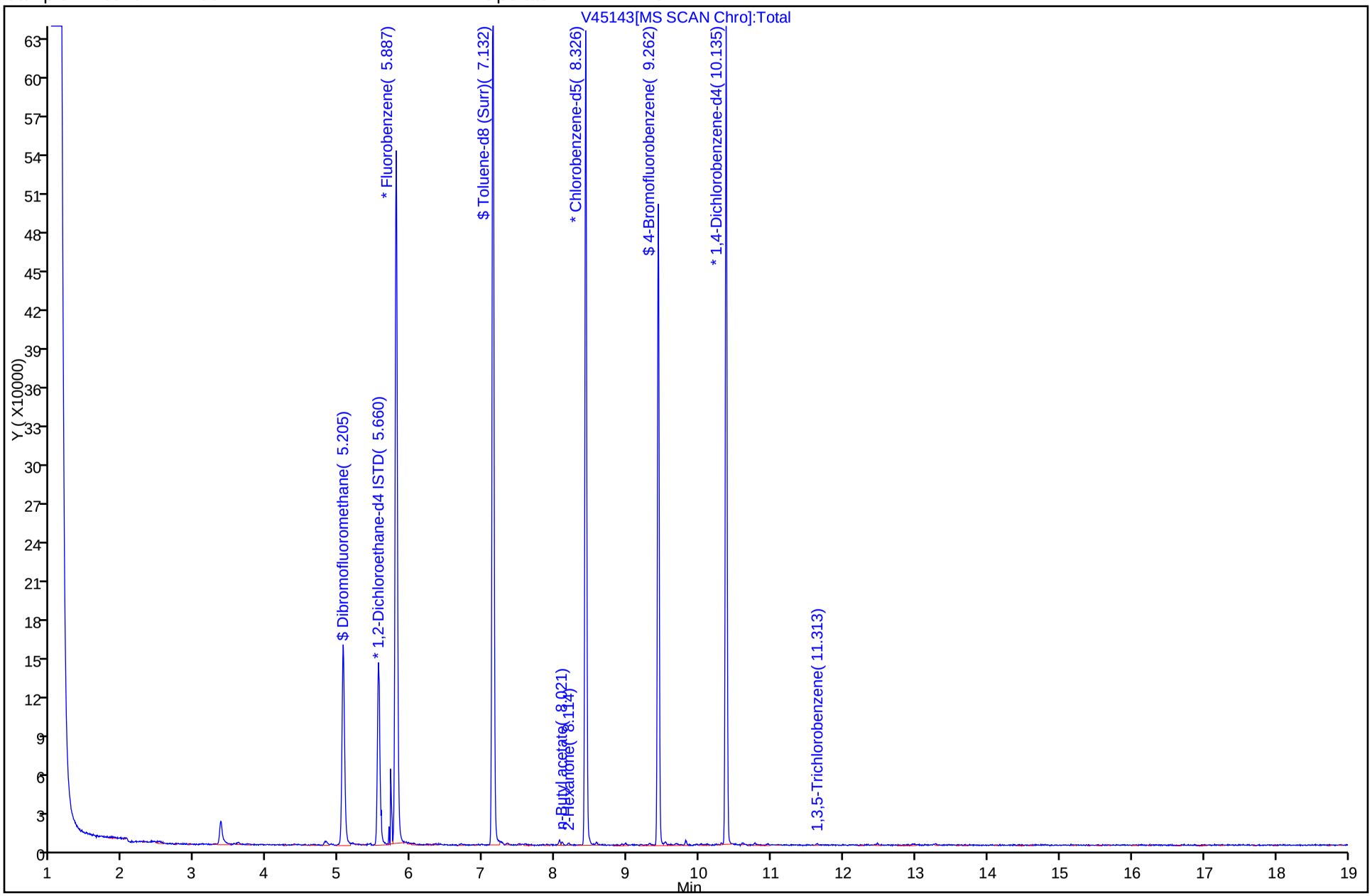
Inj Date: 18-Sep-2009 18:22:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: MB 360-49178/3-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49046/1-A

Matrix: Solid | Lab File ID: V45049.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	83.2		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	89.0		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	82.2		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	79.3		12	1.0
79-00-5	1,1,2-Trichloroethane	91.1		2.5	1.0
75-34-3	1,1-Dichloroethane	89.9		2.5	1.0
75-35-4	1,1-Dichloroethene	85.1		2.5	1.0
563-58-6	1,1-Dichloropropene	88.2		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	96.5		2.5	1.0
96-18-4	1,2,3-Trichloropropane	93.4		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	97.2		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	84.4		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	82.4		25	1.8
106-93-4	Ethylene Dibromide	92.4		2.5	1.0
95-50-1	1,2-Dichlorobenzene	91.6		2.5	1.0
107-06-2	1,2-Dichloroethane	88.7		2.5	1.0
78-87-5	1,2-Dichloropropane	102		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	88.5		2.5	1.0
541-73-1	1,3-Dichlorobenzene	83.2		2.5	1.0
142-28-9	1,3-Dichloropropane	91.8		2.5	1.0
106-46-7	1,4-Dichlorobenzene	93.5		2.5	1.0
123-91-1	1,4-Dioxane	1020		250	33
594-20-7	2,2-Dichloropropane	93.0		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	87.3		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	84.5		5.0	1.0
95-49-8	2-Chlorotoluene	85.1		2.5	1.0
591-78-6	2-Hexanone	824		25	5.1
106-43-4	4-Chlorotoluene	85.9		2.5	1.0
67-64-1	Acetone	829		250	18
71-43-2	Benzene	91.9		2.5	1.0
108-86-1	Bromobenzene	82.5		2.5	1.0
74-97-5	Chlorobromomethane	84.4		2.5	1.0
75-27-4	Dichlorobromomethane	92.2		2.5	1.0
75-25-2	Bromoform	85.7		2.5	1.0
74-83-9	Bromomethane	93.1		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49046/1-A

Matrix: Solid | Lab File ID: V45049.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	98.4		2.5	1.0
75-15-0	Carbon disulfide	83.3		2.5	1.0
56-23-5	Carbon tetrachloride	83.3		2.5	1.0
108-90-7	Chlorobenzene	95.4		2.5	1.0
75-00-3	Chloroethane	83.8		5.0	1.0
67-66-3	Chloroform	87.9		2.5	1.0
74-87-3	Chloromethane	81.5		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	85.8		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	95.1		2.5	1.0
110-82-7	Cyclohexane	79.4		25	2.6
124-48-1	Chlorodibromomethane	87.6		2.5	1.0
74-95-3	Dibromomethane	89.9		2.5	1.0
75-71-8	Dichlorodifluoromethane	45.6		5.0	1.0
60-29-7	Ethyl ether	86.5		2.5	1.0
108-20-3	Isopropyl ether	79.8		2.5	1.0
637-92-3	Tert-butyl ethyl ether	78.7		2.5	2.5
100-41-4	Ethylbenzene	98.7		2.5	1.0
87-68-3	Hexachlorobutadiene	98.6		2.5	1.0
98-82-8	Isopropylbenzene	91.1		2.5	1.0
79-20-9	Methyl acetate	967		50	16
78-93-3	2-Butanone (MEK)	830		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	798		25	5.2
1634-04-4	Methyl tert-butyl ether	75.5		2.5	1.0
108-87-2	Methylcyclohexane	81.3		2.5	1.0
75-09-2	Methylene Chloride	90.4		10	4.8
136777-61-2	m-Xylene & p-Xylene	183		5.0	1.0
91-20-3	Naphthalene	83.6		25	1.0
103-65-1	N-Propylbenzene	88.9		2.5	1.0
95-47-6	o-Xylene	88.3		2.5	1.0
99-87-6	4-Isopropyltoluene	91.2		2.5	1.0
135-98-8	sec-Butylbenzene	88.3		2.5	1.0
100-42-5	Styrene	90.9		2.5	1.0
994-05-8	Tert-amyl methyl ether	79.0		2.5	1.0
98-06-6	tert-Butylbenzene	90.2		2.5	1.0
127-18-4	Tetrachloroethene	104		2.5	1.0
109-99-9	Tetrahydrofuran	939		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49046/1-A

Matrix: Solid | Lab File ID: V45049.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	101		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	81.4		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	95.2		2.5	1.0
79-01-6	Trichloroethene	98.4		2.5	1.0
75-69-4	Trichlorofluoromethane	75.6		5.0	1.0
75-01-4	Vinyl chloride	78.1		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	90	70-130	
1868-53-7	Dibromofluoromethane	93	70-130	
2037-26-5	Toluene-d8 (Surr)	106	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45049.D		
Lims ID:	LCS 360-49046/1-A	Client ID:	
Inject. Date:	16-Sep-2009 17:01:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49046/1-A		
Misc. Info.:	360-0001195-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49049	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 09:21:51	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 09:23:23

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.634	1.629	0.005	118722	9.13	M
2 Chloromethane	50	1.815	1.810	0.005	373499	16.3	
3 Vinyl chloride	62	1.914	1.908	0.006	251926	15.6	
4 Bromomethane	94	2.265	2.264	0.001	149765	18.6	
5 Chloroethane	64	2.405	2.404	0.000	148345	16.8	
6 Trichlorofluoromethane	101	2.539	2.538	0.001	211309	15.1	
7 Ethyl ether	59	2.859	2.859	0.000	113724	17.3	
8 1,1-Dichloroethene	96	3.050	3.050	0.000	141824	17.0	
10 Carbon disulfide	76	3.066	3.065	0.001	625780	16.7	
9 Ethanol	45	3.061	3.065	-0.004	45312	1028.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.123	3.127	-0.004	79394	15.9	
12 Acrolein	56	3.392	3.391	0.001	811962	912.4	
13 Isopropyl alcohol	45	3.552	3.551	0.001	263682	939.8	
14 Methylene Chloride	84	3.619	3.618	0.001	171296	18.1	
15 Acetone	43	3.676	3.675	0.001	235078	165.8	
16 trans-1,2-Dichloroethene	61	3.769	3.768	0.001	309183	16.3	
17 Methyl acetate	43	3.789	3.789	0.000	758844	193.5	
18 Hexane	57	3.841	3.846	-0.005	382132	16.6	
19 Methyl tert-butyl ether	73	3.872	3.877	-0.005	284668	15.1	
20 2-Methyl-2-propanol	59	3.965	3.970	-0.005	68038	156.3	
21 Isopropyl ether	45	4.218	4.218	0.000	855743	16.0	
22 1,1-Dichloroethane	63	4.327	4.332	-0.005	360364	18.0	
23 Acrylonitrile	53	4.389	4.388	0.001	32236	18.3	
24 Tert-butyl ethyl ether	59	4.539	4.543	-0.004	506277	15.7	
25 Vinyl acetate	43	4.560	4.559	0.001	2566607	165.8	
26 cis-1,2-Dichloroethene	61	4.802	4.802	0.000	284604	17.2	
27 2,2-Dichloropropane	77	4.895	4.900	-0.005	236857	18.6	
28 Cyclohexane	56	4.968	4.972	-0.004	378365	15.9	
29 Chlorobromomethane	130	4.978	4.972	0.006	63068	16.9	
30 Chloroform	83	5.035	5.034	0.001	276845	17.6	
31 Ethyl acetate	43	5.149	5.148	0.001	1029151	194.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.154	5.153	0.001	164218	16.7	
33 Tetrahydrofuran	42	5.169	5.169	0.000	354093	187.8	
34 sec-Butyl Alcohol	45	5.180	5.179	0.001	458143	893.2	
$ 35 Dibromofluoromethane	113	5.195	5.195	0.000	116691	18.6	
36 1,1,1-Trichloroethane	97	5.216	5.215	0.001	234190	16.6	
37 2-Butanone (MEK)	43	5.309	5.308	0.001	405311	166.0	
38 1,1-Dichloropropene	75	5.319	5.319	0.000	237408	17.6	
39 n-Heptane	43	5.490	5.494	-0.004	425616	17.7	
40 Benzene	78	5.531	5.530	0.001	669743	18.4	
41 Tert-amyl methyl ether	73	5.624	5.623	0.001	324614	15.8	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.644	0.006	22712	20.0	
43 1,2-Dichloroethane	62	5.702	5.701	0.001	155592	17.7	
* 44 Fluorobenzene	96	5.877	5.877	0.000	539079	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.898	5.897	0.001	162457	17.5	
46 Isopropyl acetate	43	5.903	5.903	0.000	2033508	181.8	
47 Methylcyclohexane	83	5.996	6.001	-0.005	274810	16.3	
48 Trichloroethene	95	6.007	6.006	0.001	160920	19.7	
49 2,4,4-Trimethyl-2-pentene	112	6.038	6.037	0.001	85302	16.9	
50 Dibromomethane	93	6.353	6.352	0.001	57848	18.0	
51 1,2-Dichloropropane	63	6.435	6.435	0.000	155094	20.4	
52 Dichlorobromomethane	83	6.477	6.476	0.001	171642	18.4	
53 Methyl methacrylate	69	6.601	6.605	-0.004	46648	19.6	
54 1,4-Dioxane	88	6.642	6.642	0.000	4975	203.9	
55 n-Propyl acetate	43	6.709	6.714	-0.005	1376371	205.5	
56 2-Chloroethyl vinyl ether	63	6.926	6.931	-0.005	351272	339.3	
57 cis-1,3-Dichloropropene	75	6.978	6.977	0.001	203767	19.0	
$ 58 Toluene-d8 (Surr)	98	7.123	7.122	0.001	505379	21.1	
59 Toluene	92	7.159	7.163	-0.004	372624	20.1	
60 Tetrachloroethene	164	7.454	7.453	0.001	104564	20.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.454	7.458	-0.004	878460	159.5	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	149258	19.0	
63 Isobutyl acetate	43	7.541	7.541	0.000	2829681	179.2	
64 1,1,2-Trichloroethane	83	7.603	7.608	-0.005	61284	18.2	
65 Chlorodibromomethane	129	7.743	7.742	0.001	71060	17.5	
66 1,3-Dichloropropane	76	7.820	7.820	0.000	140051	18.4	
67 Ethylene Dibromide	107	7.934	7.934	0.000	62864	18.5	
68 n-Butyl acetate	43	8.012	8.011	0.001	1617156	181.8	
69 2-Hexanone	43	8.094	8.094	0.000	565218	164.7	
* 70 Chlorobenzene-d5	117	8.317	8.316	0.001	336019	20.0	
71 Chlorobenzene	112	8.327	8.331	-0.004	348702	19.1	
72 Ethylbenzene	91	8.342	8.347	-0.005	707334	19.7	
73 1,1,1,2-Tetrachloroethane	131	8.373	8.373	0.000	99354	17.8	
74 m-Xylene & p-Xylene	91	8.456	8.455	0.001	1077116	36.6	
75 o-Xylene	91	8.787	8.786	0.001	562825	17.7	
76 Styrene	104	8.828	8.828	0.000	393821	18.2	
77 Bromoform	173	8.854	8.853	0.001	39002	17.1	
78 Isopropylbenzene	105	9.025	9.024	0.001	688845	18.2	
$ 80 4-Bromofluorobenzene	95	9.247	9.251	-0.004	172780	17.9	
81 Bromobenzene	77	9.335	9.334	0.001	282360	16.5	
82 N-Propylbenzene	91	9.345	9.344	0.001	867320	17.8	
83 1,1,2,2-Tetrachloroethane	83	9.397	9.401	-0.004	78270	16.4	
84 2-Chlorotoluene	91	9.474	9.474	0.000	548737	17.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.495	9.494	0.001	549947	17.7	
86 1,2,3-Trichloropropane	110	9.516	9.515	0.001	19525	18.7	
87 trans-1,4-Dichloro-2-butene	53	9.541	9.541	0.000	28259	15.8	
88 4-Chlorotoluene	91	9.603	9.603	0.000	487597	17.2	
89 tert-Butylbenzene	119	9.748	9.747	0.001	446506	18.0	
90 1,2,4-Trimethylbenzene	105	9.800	9.799	0.001	533603	16.9	
91 sec-Butylbenzene	105	9.888	9.887	0.001	746581	17.7	
92 4-Isopropyltoluene	119	9.996	9.995	0.001	582339	18.2	
93 1,3-Dichlorobenzene	146	10.063	10.063	0.000	235529	16.6	
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	138167	20.0	
95 1,4-Dichlorobenzene	146	10.136	10.135	0.001	230135	18.7	
96 n-Butylbenzene	91	10.337	10.337	0.000	627160	19.7	
97 1,2-Dichlorobenzene	146	10.492	10.492	0.000	188697	18.3	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.262	0.000	8768	16.5	
99 1,3,5-Trichlorobenzene	180	11.288	11.287	0.001	185037	20.7	
100 Hexachlorobutadiene	225	12.012	12.016	-0.004	70461	19.7	
101 1,2,4-Trichlorobenzene	180	12.063	12.063	0.000	130966	19.4	
102 Naphthalene	128	12.523	12.528	-0.005	148859	16.7	
103 1,2,3-Trichlorobenzene	180	12.797	12.802	-0.005	96182	19.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 09:23:23 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45049.D

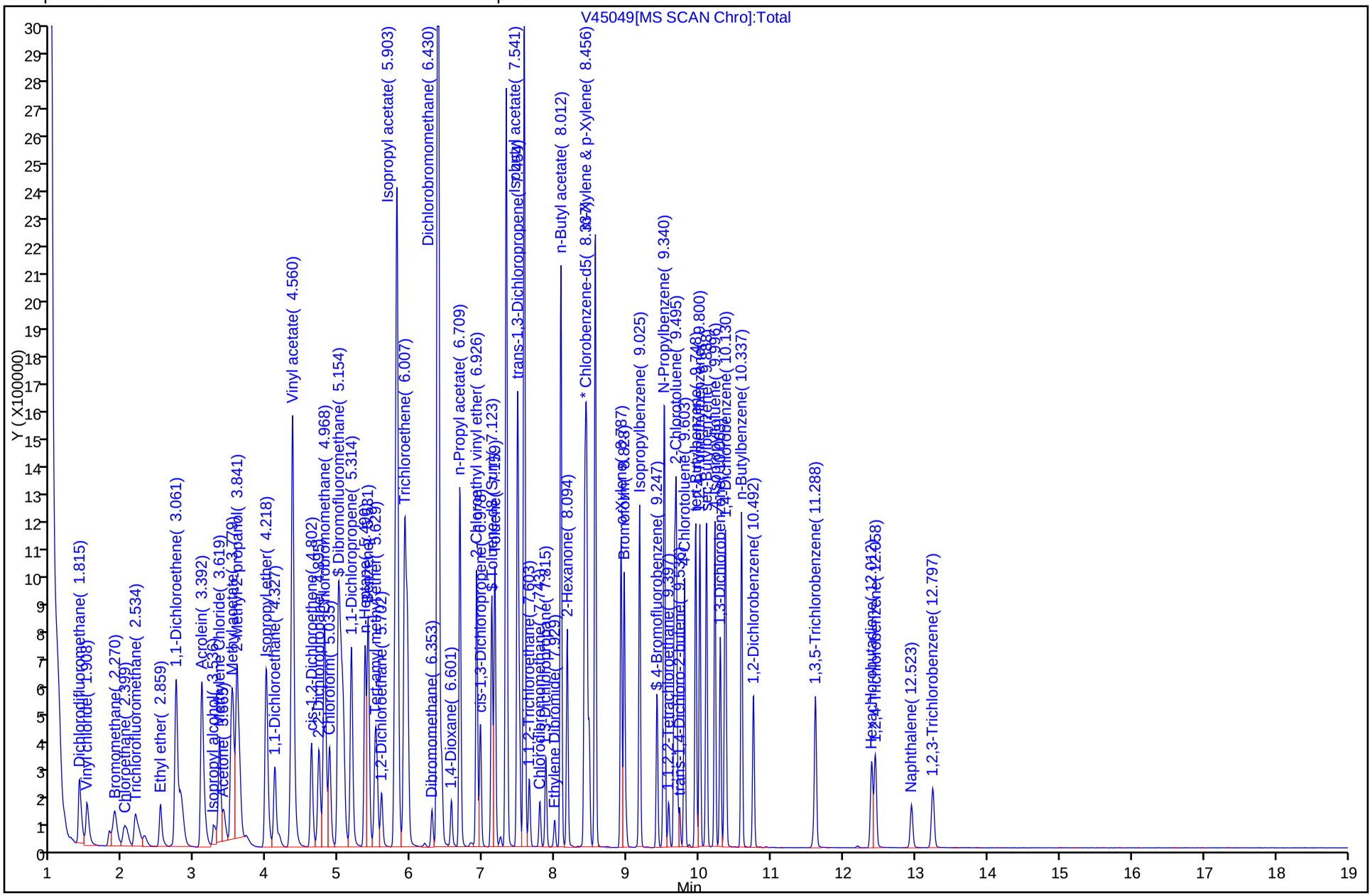
Inj Date: 16-Sep-2009 17:01:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49049 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-49046/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49099/1-A

Matrix: Solid | Lab File ID: V45088.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	84.2		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	88.3		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	82.3		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	84.8		12	1.0
79-00-5	1,1,2-Trichloroethane	93.1		2.5	1.0
75-34-3	1,1-Dichloroethane	88.4		2.5	1.0
75-35-4	1,1-Dichloroethene	88.0		2.5	1.0
563-58-6	1,1-Dichloropropene	91.5		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	95.0		2.5	1.0
96-18-4	1,2,3-Trichloropropane	93.0		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	96.1		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	82.6		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	84.7		25	1.8
106-93-4	Ethylene Dibromide	93.1		2.5	1.0
95-50-1	1,2-Dichlorobenzene	89.0		2.5	1.0
107-06-2	1,2-Dichloroethane	89.2		2.5	1.0
78-87-5	1,2-Dichloropropane	101		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	86.7		2.5	1.0
541-73-1	1,3-Dichlorobenzene	82.0		2.5	1.0
142-28-9	1,3-Dichloropropane	93.6		2.5	1.0
106-46-7	1,4-Dichlorobenzene	90.5		2.5	1.0
123-91-1	1,4-Dioxane	1030		250	33
594-20-7	2,2-Dichloropropane	91.3		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	94.0		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	92.4		5.0	1.0
95-49-8	2-Chlorotoluene	83.4		2.5	1.0
591-78-6	2-Hexanone	826		25	5.1
106-43-4	4-Chlorotoluene	84.2		2.5	1.0
67-64-1	Acetone	800		250	18
71-43-2	Benzene	91.0		2.5	1.0
108-86-1	Bromobenzene	80.4		2.5	1.0
74-97-5	Chlorobromomethane	84.7		2.5	1.0
75-27-4	Dichlorobromomethane	90.9		2.5	1.0
75-25-2	Bromoform	88.6		2.5	1.0
74-83-9	Bromomethane	91.2		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49099/1-A

Matrix: Solid | Lab File ID: V45088.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	96.3		2.5	1.0
75-15-0	Carbon disulfide	82.3		2.5	1.0
56-23-5	Carbon tetrachloride	87.5		2.5	1.0
108-90-7	Chlorobenzene	94.9		2.5	1.0
75-00-3	Chloroethane	82.4		5.0	1.0
67-66-3	Chloroform	87.4		2.5	1.0
74-87-3	Chloromethane	79.1		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	84.7		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	94.8		2.5	1.0
110-82-7	Cyclohexane	88.2		25	2.6
124-48-1	Chlorodibromomethane	87.7		2.5	1.0
74-95-3	Dibromomethane	90.1		2.5	1.0
75-71-8	Dichlorodifluoromethane	51.2		5.0	1.0
60-29-7	Ethyl ether	88.0		2.5	1.0
108-20-3	Isopropyl ether	79.5		2.5	1.0
637-92-3	Tert-butyl ethyl ether	79.1		2.5	2.5
100-41-4	Ethylbenzene	97.9		2.5	1.0
87-68-3	Hexachlorobutadiene	100		2.5	1.0
98-82-8	Isopropylbenzene	90.6		2.5	1.0
79-20-9	Methyl acetate	1070		50	16
78-93-3	2-Butanone (MEK)	834		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	799		25	5.2
1634-04-4	Methyl tert-butyl ether	76.3		2.5	1.0
108-87-2	Methylcyclohexane	93.2		2.5	1.0
75-09-2	Methylene Chloride	84.6		10	4.8
136777-61-2	m-Xylene & p-Xylene	181		5.0	1.0
91-20-3	Naphthalene	84.0		25	1.0
103-65-1	N-Propylbenzene	87.6		2.5	1.0
95-47-6	o-Xylene	86.3		2.5	1.0
99-87-6	4-Isopropyltoluene	89.6		2.5	1.0
135-98-8	sec-Butylbenzene	87.8		2.5	1.0
100-42-5	Styrene	87.8		2.5	1.0
994-05-8	Tert-amyl methyl ether	80.9		2.5	1.0
98-06-6	tert-Butylbenzene	89.1		2.5	1.0
127-18-4	Tetrachloroethene	107		2.5	1.0
109-99-9	Tetrahydrofuran	960		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49099/1-A

Matrix: Solid | Lab File ID: V45088.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	99.7		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	79.3		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	97.1		2.5	1.0
79-01-6	Trichloroethene	98.0		2.5	1.0
75-69-4	Trichlorofluoromethane	84.0		5.0	1.0
75-01-4	Vinyl chloride	80.7		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	90	70-130	
1868-53-7	Dibromofluoromethane	94	70-130	
2037-26-5	Toluene-d8 (Surr)	106	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45088.D		
Lims ID:	LCS 360-49099/1-A	Client ID:	
Inject. Date:	17-Sep-2009 13:51:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49099/1-A		
Misc. Info.:	360-0001210-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49101	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 14:44:42	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 17-Sep-2009 14:45:49

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.629	0.015	143701	10.2	M
2 Chloromethane	50	1.819	1.810	0.009	392014	15.8	
3 Vinyl chloride	62	1.923	1.908	0.015	280421	16.1	
4 Bromomethane	94	2.279	2.260	0.019	158308	18.2	
5 Chloroethane	64	2.419	2.384	0.035	157629	16.5	
6 Trichlorofluoromethane	101	2.543	2.533	0.010	253335	16.8	
7 Ethyl ether	59	2.863	2.854	0.009	124936	17.6	
8 1,1-Dichloroethene	96	3.055	3.045	0.010	157955	17.6	
10 Carbon disulfide	76	3.070	3.061	0.009	667251	16.5	
9 Ethanol	45	3.060	3.071	-0.011	55156	1164.0	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.132	3.112	0.020	91689	17.0	
12 Acrolein	56	3.396	3.386	0.010	851039	880.1	
13 Isopropyl alcohol	45	3.556	3.546	0.010	289440	956.1	
14 Methylene Chloride	84	3.623	3.614	0.009	173625	16.9	
15 Acetone	43	3.680	3.670	0.010	245158	160.1	
16 trans-1,2-Dichloroethene	61	3.773	3.763	0.010	325423	15.9	
17 Methyl acetate	43	3.794	3.784	0.010	901782	213.0	
18 Hexane	57	3.845	3.836	0.009	473066	19.1	
19 Methyl tert-butyl ether	73	3.881	3.867	0.014	310273	15.3	
20 2-Methyl-2-propanol	59	3.969	3.960	0.009	74708	157.9	
21 Isopropyl ether	45	4.222	4.213	0.009	920118	15.9	
22 1,1-Dichloroethane	63	4.336	4.327	0.009	382290	17.7	
23 Acrylonitrile	53	4.398	4.389	0.009	33816	17.8	
24 Tert-butyl ethyl ether	59	4.548	4.533	0.015	549117	15.8	
25 Vinyl acetate	43	4.564	4.554	0.010	2383263	142.6	
26 cis-1,2-Dichloroethene	61	4.806	4.797	0.009	303279	16.9	
27 2,2-Dichloropropane	77	4.899	4.890	0.009	251287	18.3	
28 Cyclohexane	56	4.972	4.962	0.010	453840	17.6	
29 Chlorobromomethane	130	4.977	4.968	0.009	68315	16.9	
30 Chloroform	83	5.039	5.030	0.009	297258	17.5	
31 Ethyl acetate	43	5.153	5.143	0.010	1179609	206.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.158	5.143	0.015	186234	17.5	
33 Tetrahydrofuran	42	5.173	5.164	0.009	390560	192.0	
34 sec-Butyl Alcohol	45	5.184	5.169	0.015	525158	948.6	
$ 35 Dibromofluoromethane	113	5.199	5.190	0.009	127212	18.8	
36 1,1,1-Trichloroethane	97	5.220	5.210	0.010	255866	16.8	
37 2-Butanone (MEK)	43	5.313	5.303	0.010	439768	166.9	
38 1,1-Dichloropropene	75	5.323	5.314	0.009	265803	18.3	
39 n-Heptane	43	5.494	5.484	0.010	540010	20.8	
40 Benzene	78	5.535	5.526	0.009	715950	18.2	
41 Tert-amyl methyl ether	73	5.628	5.619	0.009	358834	16.2	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.645	0.009	24679	20.0	
43 1,2-Dichloroethane	62	5.706	5.701	0.005	168790	17.8	
* 44 Fluorobenzene	96	5.876	5.872	0.004	581810	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.893	0.009	187638	18.8	
46 Isopropyl acetate	43	5.907	5.898	0.009	2328272	192.8	
47 Methylcyclohexane	83	6.005	5.996	0.009	340062	18.6	
48 Trichloroethene	95	6.011	6.001	0.010	173028	19.6	
49 2,4,4-Trimethyl-2-pentene	112	6.042	6.032	0.010	100688	18.5	
50 Dibromomethane	93	6.357	6.347	0.010	62588	18.0	
51 1,2-Dichloropropane	63	6.440	6.430	0.010	165464	20.2	
52 Dichlorobromomethane	83	6.481	6.477	0.004	182628	18.2	
53 Methyl methacrylate	69	6.605	6.601	0.004	50660	19.7	
54 1,4-Dioxane	88	6.641	6.642	-0.001	5455	205.8	
55 n-Propyl acetate	43	6.713	6.709	0.004	1550320	214.5	
56 2-Chloroethyl vinyl ether	63	6.930	6.921	0.009	381244	341.1	
57 cis-1,3-Dichloropropene	75	6.977	6.973	0.004	219127	19.0	
$ 58 Toluene-d8 (Surr)	98	7.122	7.117	0.005	547937	21.2	
59 Toluene	92	7.163	7.159	0.004	398004	19.9	
60 Tetrachloroethene	164	7.458	7.453	0.005	116337	21.5	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.453	0.005	949403	159.7	
62 trans-1,3-Dichloropropene	75	7.483	7.479	0.004	164221	19.4	
63 Isobutyl acetate	43	7.540	7.536	0.004	3155468	185.2	
64 1,1,2-Trichloroethane	83	7.607	7.603	0.004	67604	18.6	
65 Chlorodibromomethane	129	7.742	7.738	0.004	76718	17.5	
66 1,3-Dichloropropane	76	7.819	7.815	0.004	154103	18.7	
67 Ethylene Dibromide	107	7.933	7.929	0.004	68323	18.6	
68 n-Butyl acetate	43	8.011	8.011	0.000	1777925	185.2	
69 2-Hexanone	43	8.093	8.089	0.004	611666	165.2	
* 70 Chlorobenzene-d5	117	8.315	8.311	0.004	361040	20.0	
71 Chlorobenzene	112	8.331	8.327	0.004	372716	19.0	
72 Ethylbenzene	91	8.346	8.342	0.004	753748	19.6	
73 1,1,1,2-Tetrachloroethane	131	8.377	8.373	0.004	105970	17.7	
74 m-Xylene & p-Xylene	91	8.455	8.451	0.004	1145284	36.2	
75 o-Xylene	91	8.786	8.781	0.005	591189	17.3	
76 Styrene	104	8.827	8.823	0.004	408688	17.6	
77 Bromoform	173	8.853	8.849	0.004	44003	17.7	
78 Isopropylbenzene	105	9.029	9.024	0.005	735894	18.1	
$ 80 4-Bromofluorobenzene	95	9.251	9.247	0.004	185604	17.9	
81 Bromobenzene	77	9.334	9.334	0.000	295704	16.1	
82 N-Propylbenzene	91	9.344	9.345	-0.001	917727	17.5	
83 1,1,2,2-Tetrachloroethane	83	9.401	9.396	0.005	85389	16.5	
84 2-Chlorotoluene	91	9.473	9.474	-0.001	577968	16.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.499	9.495	0.004	579095	17.3	
86 1,2,3-Trichloropropane	110	9.514	9.510	0.004	20889	18.6	
87 trans-1,4-Dichloro-2-butene	53	9.540	9.536	0.004	30368	15.8	
88 4-Chlorotoluene	91	9.602	9.603	-0.001	513350	16.8	
89 tert-Butylbenzene	119	9.747	9.748	-0.001	473925	17.8	
90 1,2,4-Trimethylbenzene	105	9.804	9.799	0.005	561363	16.5	
91 sec-Butylbenzene	105	9.886	9.882	0.004	797883	17.6	
92 4-Isopropyltoluene	119	9.995	9.991	0.004	614792	17.9	
93 1,3-Dichlorobenzene	146	10.067	10.063	0.004	249212	16.4	
* 94 1,4-Dichlorobenzene-d4	152	10.124	10.120	0.004	150558	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.135	0.000	242863	18.1	
96 n-Butylbenzene	91	10.336	10.337	-0.001	668634	19.3	
97 1,2-Dichlorobenzene	146	10.491	10.487	0.004	199743	17.8	
98 1,2-Dibromo-3-Chloropropane	157	11.261	11.262	-0.001	9813	16.9	
99 1,3,5-Trichlorobenzene	180	11.292	11.288	0.004	201937	20.7	
100 Hexachlorobutadiene	225	12.016	12.011	0.005	78151	20.1	
101 1,2,4-Trichlorobenzene	180	12.062	12.058	0.004	141153	19.2	
102 Naphthalene	128	12.527	12.523	0.004	162995	16.8	
103 1,2,3-Trichlorobenzene	180	12.801	12.797	0.004	103129	19.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:45:49 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45088.D

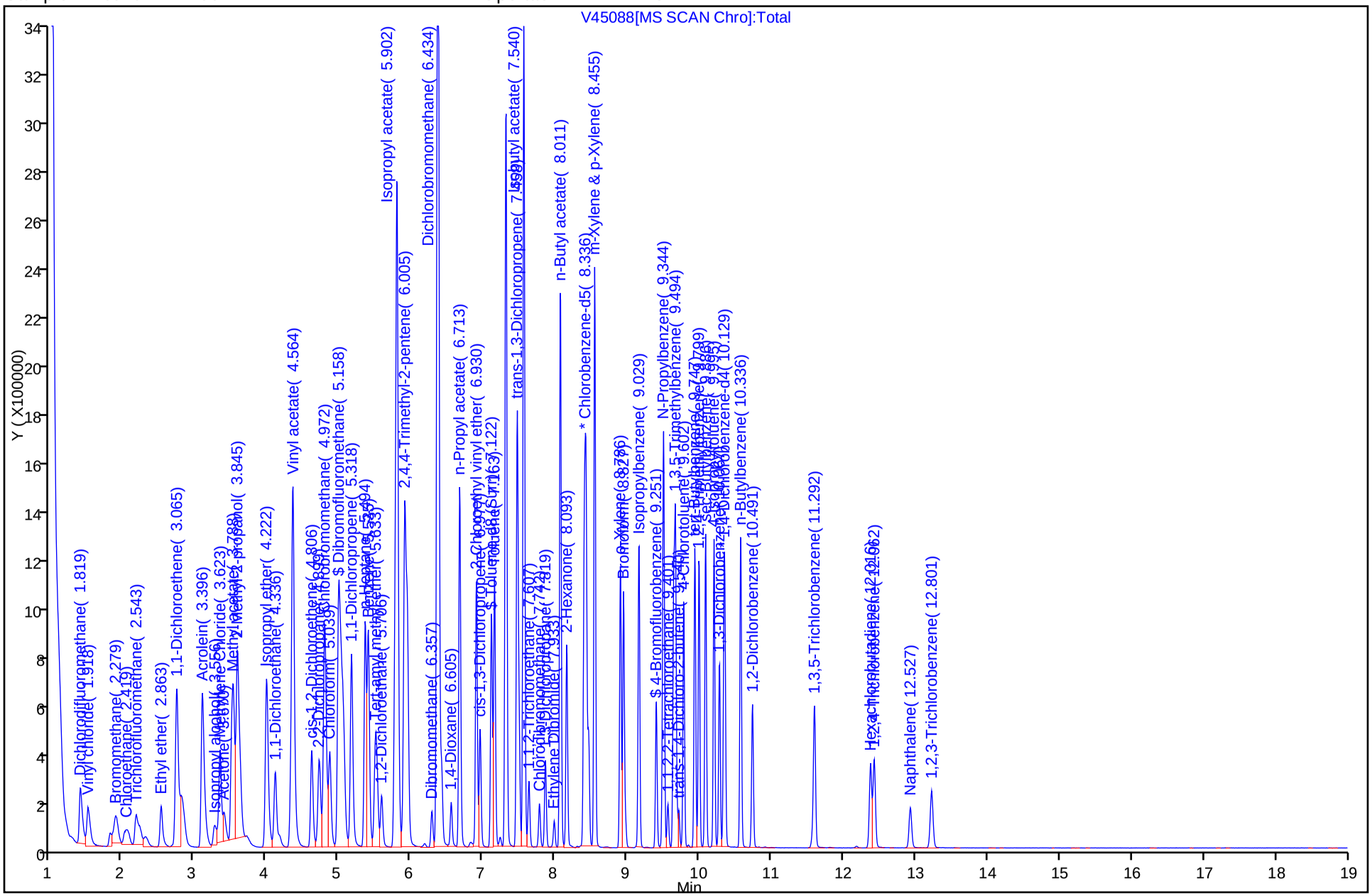
Inj Date: 17-Sep-2009 13:51:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49101 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-49099/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49119/3

Matrix: Water | Lab File ID: V06972.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.8		1.0	0.70
630-20-6	1,1,1,2-Tetrachloroethane	21.6		1.0	0.61
79-34-5	1,1,2,2-Tetrachloroethane	15.3		0.50	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.5		1.0	0.63
79-00-5	1,1,2-Trichloroethane	19.4		1.0	0.72
75-34-3	1,1-Dichloroethane	19.6		1.0	0.67
75-35-4	1,1-Dichloroethene	18.4		1.0	0.64
563-58-6	1,1-Dichloropropene	20.5		1.0	0.68
87-61-6	1,2,3-Trichlorobenzene	18.6		1.0	0.42
96-18-4	1,2,3-Trichloropropane	19.1		1.0	0.65
120-82-1	1,2,4-Trichlorobenzene	19.1		1.0	0.34
95-63-6	1,2,4-Trimethylbenzene	19.7		1.0	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	13.8		5.0	0.58
106-93-4	Ethylene Dibromide	20.5		1.0	0.54
95-50-1	1,2-Dichlorobenzene	20.2		1.0	0.62
107-06-2	1,2-Dichloroethane	18.5		1.0	0.62
78-87-5	1,2-Dichloropropane	19.5		1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	20.1		1.0	0.66
541-73-1	1,3-Dichlorobenzene	23.9		1.0	0.64
142-28-9	1,3-Dichloropropane	19.6		1.0	0.57
106-46-7	1,4-Dichlorobenzene	20.7		1.0	0.62
123-91-1	1,4-Dioxane	122		50	7.7
594-20-7	2,2-Dichloropropane	26.3		1.0	0.60
107-39-1	2,4,4-Trimethyl-1-pentene	20.4		1.0	0.81
107-40-4	2,4,4-Trimethyl-2-pentene	18.8		1.0	0.50
95-49-8	2-Chlorotoluene	19.7		1.0	0.65
591-78-6	2-Hexanone	153		10	7.3
106-43-4	4-Chlorotoluene	20.5		1.0	0.62
67-64-1	Acetone	147		50	20
71-43-2	Benzene	20.3		1.0	0.74
108-86-1	Bromobenzene	19.8		1.0	0.64
74-97-5	Chlorobromomethane	21.8		1.0	0.78
75-27-4	Dichlorobromomethane	19.8		1.0	0.63
75-25-2	Bromoform	17.8		1.0	0.60
74-83-9	Bromomethane	20.3		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49119/3

Matrix: Water | Lab File ID: V06972.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	17.4		1.0	0.59
75-15-0	Carbon disulfide	18.8		10	0.62
56-23-5	Carbon tetrachloride	23.7		1.0	0.71
108-90-7	Chlorobenzene	21.0		1.0	0.65
75-00-3	Chloroethane	17.6		2.0	0.40
67-66-3	Chloroform	20.1		1.0	0.66
74-87-3	Chloromethane	17.0		2.0	0.30
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.65
10061-01-5	cis-1,3-Dichloropropene	21.8		0.40	0.40
110-82-7	Cyclohexane	19.1		10	2.8
124-48-1	Chlorodibromomethane	21.0		0.50	0.50
74-95-3	Dibromomethane	19.2		1.0	0.65
75-71-8	Dichlorodifluoromethane	13.3		1.0	0.24
60-29-7	Ethyl ether	18.4		10	0.63
108-20-3	Isopropyl ether	18.6		10	0.62
637-92-3	Tert-butyl ethyl ether	20.6		5.0	0.67
100-41-4	Ethylbenzene	20.8		1.0	0.67
87-68-3	Hexachlorobutadiene	21.5		0.40	0.40
98-82-8	Isopropylbenzene	18.7		1.0	0.57
79-20-9	Methyl acetate	160		10	16
78-93-3	2-Butanone (MEK)	129		10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	156		10	8.5
1634-04-4	Methyl tert-butyl ether	22.1		1.0	0.63
108-87-2	Methylcyclohexane	21.6		10	1.0
75-09-2	Methylene Chloride	20.0		2.0	1.0
136777-61-2	m-Xylene & p-Xylene	40.6		2.0	1.4
91-20-3	Naphthalene	15.3		5.0	2.0
103-65-1	N-Propylbenzene	19.2		1.0	0.70
95-47-6	o-Xylene	17.7		1.0	0.54
99-87-6	4-Isopropyltoluene	20.2		1.0	0.59
135-98-8	sec-Butylbenzene	20.1		1.0	0.67
100-42-5	Styrene	19.2		1.0	0.60
994-05-8	Tert-amyl methyl ether	22.4		5.0	0.61
98-06-6	tert-Butylbenzene	19.7		1.0	0.61
127-18-4	Tetrachloroethene	23.6		1.0	0.48
109-99-9	Tetrahydrofuran	151		10	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49119/3

Matrix: Water | Lab File ID: V06972.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	21.2		1.0	0.56
156-60-5	trans-1,2-Dichloroethene	19.5		1.0	0.60
10061-02-6	trans-1,3-Dichloropropene	22.4		0.40	0.40
79-01-6	Trichloroethene	20.0		1.0	0.59
75-69-4	Trichlorofluoromethane	22.6		1.0	0.31
75-01-4	Vinyl chloride	18.3		0.50	0.46

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	98	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	103	70-130	

Report Date: 18-Sep-2009 08:12:53 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06972.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	17-Sep-2009 16:47:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs		
Misc. Info.:	360-0001213-003		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49119	Lims Sample ID:	3
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	18-Sep-2009 08:12:53

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	114904	13.3	
2 Chloromethane	1	50	1.907	1.907	0.000	156580	17.0	
3 Vinyl chloride	1	62	1.990	1.990	0.000	153997	18.3	
4 Bromomethane	1	94	2.287	2.287	0.000	73033	20.3	
5 Chloroethane	1	64	2.406	2.406	0.000	62491	17.6	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	227644	22.6	
7 Ethyl ether	1	59	2.821	2.821	0.000	124621	18.4	
8 Ethanol	1	45	2.951	2.939	0.012	59072	858.2	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	125514	18.4	
10 Carbon disulfide	1	76	3.070	3.070	0.000	458156	18.8	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	101580	21.5	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	357309	647.4	
14 Methylene Chloride	1	84	3.639	3.639	0.000	157315	20.0	
15 Acetone	1	43	3.699	3.687	0.012	448258	147.2	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	227881	19.5	
17 Methyl acetate	1	43	3.817	3.817	0.000	1543384	160.3	
18 Hexane	1	57	3.888	3.888	0.000	318894	20.1	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	418725	22.1	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	121907	156.2	
21 Isopropyl ether	1	45	4.327	4.327	0.000	398159	18.6	
22 1,1-Dichloroethane	1	63	4.470	4.470	0.000	278986	19.6	
23 Acrylonitrile	1	53	4.541	4.541	0.000	59934	17.0	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	410477	20.6	
25 Vinyl acetate	1	43	4.742	4.742	0.000	2951226	151.7	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	208914	19.9	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	181343	26.3	
29 Cyclohexane	1	56	5.264	5.264	0.000	239895	19.1	
30 Chlorobromomethane	1	130	5.276	5.276	0.000	95583	21.8	
31 Chloroform	1	83	5.347	5.347	0.000	284132	20.1	
32 Ethyl acetate	1	43	5.490	5.490	0.000	1841046	157.5	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	201492	23.7	
34 Tetrahydrofuran	1	42	5.525	5.513	0.012	665420	151.4	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	111904	694.6	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	117568	19.9	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	234781	22.8	
38 2-Butanone (MEK)	1	43	5.703	5.691	0.012	691344	129.0	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	200264	20.5	
40 n-Heptane	1	43	5.952	5.952	0.000	218013	16.8	
41 Benzene	1	78	6.000	6.000	0.000	584356	20.3	
42 Tert-amyl methyl ether	1	73	6.130	6.118	0.012	340775	22.4	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	22143	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	235008	18.5	
* 45 Fluorobenzene	1	96	6.474	6.462	0.012	444926	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	83188	20.4	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	1484832	181.2	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	210192	21.6	
49 Trichloroethene	1	95	6.652	6.652	0.000	139555	20.0	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	274596	18.8	
51 Dibromomethane	1	93	7.115	7.115	0.000	77436	19.2	
52 1,2-Dichloropropane	1	63	7.221	7.221	0.000	129218	19.5	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	152844	19.8	
54 Methyl methacrylate	1	69	7.459	7.459	0.000	74843	16.0	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	7017	122.4	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	2034753	153.8	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	810713	181.7	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	178472	21.8	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	333311	20.5	
61 Toluene	1	92	8.158	8.158	0.000	269269	21.2	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	2795482		
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	1336355	155.7	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	93659	23.6	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	177377	22.4	
63 Isobutyl acetate	1	43	8.348	8.633	-0.285	2796405	144.2	
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	98945	19.4	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	103646	21.0	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	166869	19.6	
71 Ethylene Dibromide	1	107	9.071	9.071	0.000	100980	20.5	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	2270044	159.0	
72 2-Hexanone	1	43	9.273	9.273	0.000	969163	152.9	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	236061	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	296652	21.0	
76 Ethylbenzene	1	91	9.558	9.558	0.000	513486	20.8	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	101951	21.6	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	850542	40.6	
79 o-Xylene	1	91	10.056	10.056	0.000	365806	17.7	
80 Styrene	1	104	10.103	10.103	0.000	299452	19.2	
81 Bromoform	1	173	10.127	10.127	0.000	65529	17.8	
82 Isopropylbenzene	1	105	10.317	10.317	0.000	439584	18.7	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	107982	19.6	
85 Bromobenzene	1	77	10.649	10.649	0.000	232719	19.8	
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	577907	19.2	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	137557	15.3	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	385139	19.7	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.827	0.000	406063	20.1	
90 1,2,3-Trichloropropane	1	110	10.838	10.838	0.000	35236	19.1	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	31214	14.8	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	361649	20.5	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	300470	19.7	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	392140	19.7	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	482801	20.1	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	374225	20.2	
97 1,3-Dichlorobenzene	1	146	11.431	11.431	0.000	217054	23.9	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	110626	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.503	0.000	217953	20.7	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	364948	17.4	
101 1,2-Dichlorobenzene	1	146	11.846	11.846	0.000	188178	20.2	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.511	0.000	15452	13.8	
103 1,3,5-Trichlorobenzene	1	180	12.522	12.522	0.000	131378	22.2	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	64344	21.5	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	101439	19.1	
106 Naphthalene	1	128	13.341	13.341	0.000	206179	15.3	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	96199	18.6	

Report Date: 18-Sep-2009 08:12:53 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06972.D

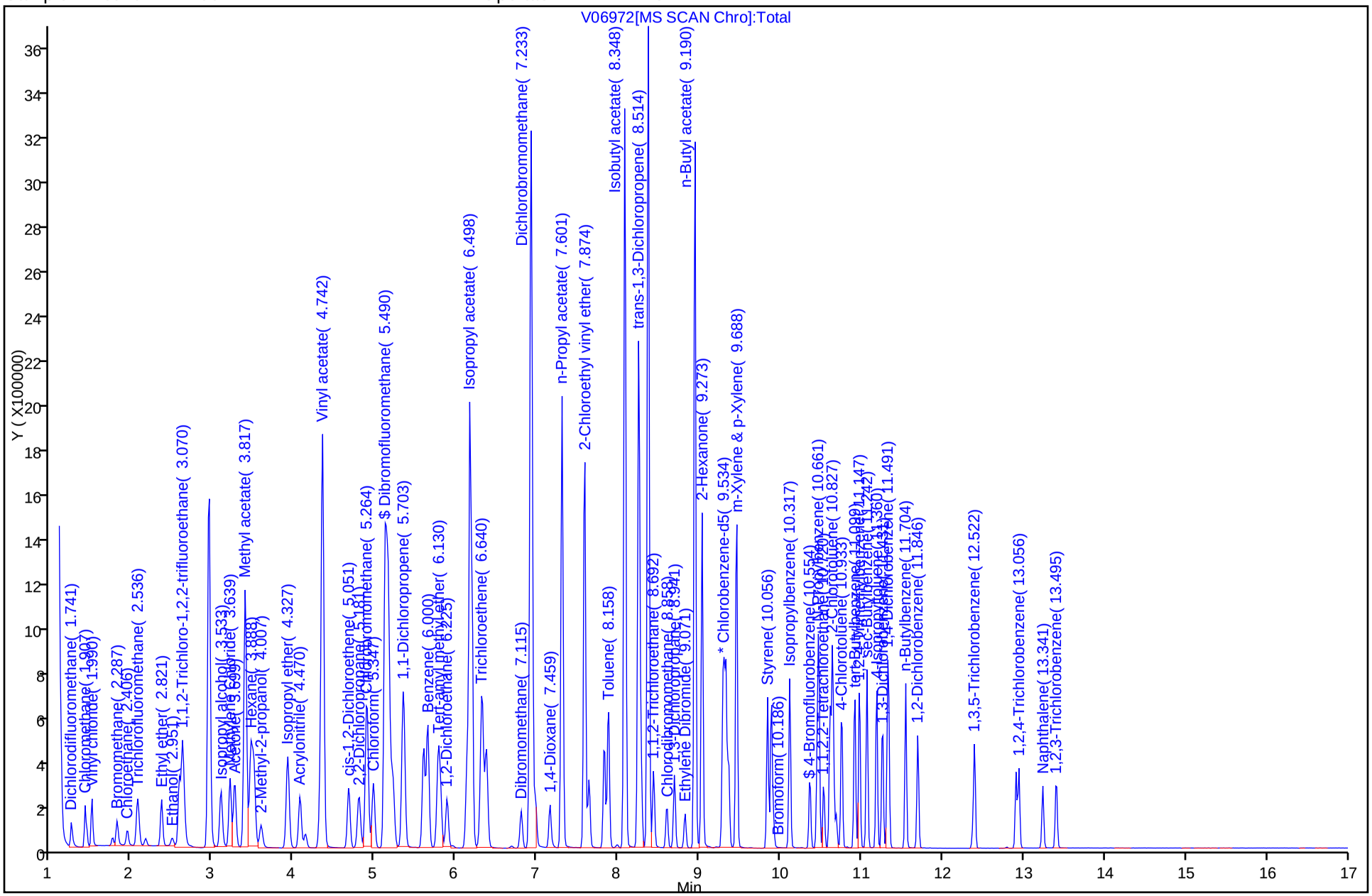
Inj Date: 17-Sep-2009 16:47:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49119 Lims Sample ID: 3

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: lcs

Sample Amount: 1.00 Operator: CT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49178/1-A

Matrix: Solid | Lab File ID: V45138.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	91.0		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	102		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	88.9		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	89.9		12	1.0
79-00-5	1,1,2-Trichloroethane	96.4		2.5	1.0
75-34-3	1,1-Dichloroethane	98.4		2.5	1.0
75-35-4	1,1-Dichloroethene	97.3		2.5	1.0
563-58-6	1,1-Dichloropropene	95.1		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	103		2.5	1.0
96-18-4	1,2,3-Trichloropropane	111		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	102		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	95.8		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	94.6		25	1.8
106-93-4	Ethylene Dibromide	97.3		2.5	1.0
95-50-1	1,2-Dichlorobenzene	95.4		2.5	1.0
107-06-2	1,2-Dichloroethane	95.7		2.5	1.0
78-87-5	1,2-Dichloropropane	106		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	98.0		2.5	1.0
541-73-1	1,3-Dichlorobenzene	96.3		2.5	1.0
142-28-9	1,3-Dichloropropane	93.5		2.5	1.0
106-46-7	1,4-Dichlorobenzene	94.6		2.5	1.0
123-91-1	1,4-Dioxane	1170		250	33
594-20-7	2,2-Dichloropropane	99.5		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	103		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	99.7		5.0	1.0
95-49-8	2-Chlorotoluene	94.3		2.5	1.0
591-78-6	2-Hexanone	879		25	5.1
106-43-4	4-Chlorotoluene	96.3		2.5	1.0
67-64-1	Acetone	993		250	18
71-43-2	Benzene	96.6		2.5	1.0
108-86-1	Bromobenzene	91.6		2.5	1.0
74-97-5	Chlorobromomethane	92.9		2.5	1.0
75-27-4	Dichlorobromomethane	95.9		2.5	1.0
75-25-2	Bromoform	86.5		2.5	1.0
74-83-9	Bromomethane	96.8		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49178/1-A

Matrix: Solid | Lab File ID: V45138.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	97.9		2.5	1.0
75-15-0	Carbon disulfide	90.1		2.5	1.0
56-23-5	Carbon tetrachloride	92.1		2.5	1.0
108-90-7	Chlorobenzene	99.6		2.5	1.0
75-00-3	Chloroethane	90.8		5.0	1.0
67-66-3	Chloroform	101		2.5	1.0
74-87-3	Chloromethane	85.8		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	95.8		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	94.4		2.5	1.0
110-82-7	Cyclohexane	91.1		25	2.6
124-48-1	Chlorodibromomethane	89.5		2.5	1.0
74-95-3	Dibromomethane	96.5		2.5	1.0
75-71-8	Dichlorodifluoromethane	60.0		5.0	1.0
60-29-7	Ethyl ether	105		2.5	1.0
108-20-3	Isopropyl ether	93.3		2.5	1.0
637-92-3	Tert-butyl ethyl ether	95.6		2.5	2.5
100-41-4	Ethylbenzene	102		2.5	1.0
87-68-3	Hexachlorobutadiene	98.7		2.5	1.0
98-82-8	Isopropylbenzene	99.2		2.5	1.0
79-20-9	Methyl acetate	1350		50	16
78-93-3	2-Butanone (MEK)	926		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	914		25	5.2
1634-04-4	Methyl tert-butyl ether	92.7		2.5	1.0
108-87-2	Methylcyclohexane	95.1		2.5	1.0
75-09-2	Methylene Chloride	103		10	4.8
136777-61-2	m-Xylene & p-Xylene	193		5.0	1.0
91-20-3	Naphthalene	92.7		25	1.0
103-65-1	N-Propylbenzene	97.0		2.5	1.0
95-47-6	o-Xylene	96.2		2.5	1.0
99-87-6	4-Isopropyltoluene	102		2.5	1.0
135-98-8	sec-Butylbenzene	98.9		2.5	1.0
100-42-5	Styrene	95.3		2.5	1.0
994-05-8	Tert-amyl methyl ether	98.0		2.5	1.0
98-06-6	tert-Butylbenzene	101		2.5	1.0
127-18-4	Tetrachloroethene	103		2.5	1.0
109-99-9	Tetrahydrofuran	1100		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49178/1-A

Matrix: Solid | Lab File ID: V45138.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	100		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	87.9		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	93.7		2.5	1.0
79-01-6	Trichloroethene	102		2.5	1.0
75-69-4	Trichlorofluoromethane	89.9		5.0	1.0
75-01-4	Vinyl chloride	88.1		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	96	70-130	
1868-53-7	Dibromofluoromethane	98	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45138.D		
Lims ID:	LCS 360-49178/1-A	Client ID:	
Inject. Date:	18-Sep-2009 16:23:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49178/1-A		
Misc. Info.:	360-0001222-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49180	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:28:25	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	21-Sep-2009 08:28:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.650	1.650	0.000	144808	12.0	M
2 Chloromethane	50	1.836	1.831	0.005	363713	17.2	
3 Vinyl chloride	62	1.934	1.934	0.000	261577	17.6	
4 Bromomethane	94	2.301	2.296	0.005	144413	19.4	
5 Chloroethane	64	2.456	2.435	0.021	147972	18.2	
6 Trichlorofluoromethane	101	2.554	2.559	-0.005	232976	18.0	
7 Ethyl ether	59	2.880	2.880	0.000	128076	21.1	
8 1,1-Dichloroethene	96	3.076	3.076	0.000	149391	19.5	
9 Ethanol	45	3.086	3.086	0.000	51054	1256.2	
10 Carbon disulfide	76	3.086	3.092	-0.006	627441	18.0	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.154	3.154	0.000	83531	18.0	
12 Acrolein	56	3.417	3.417	0.000	853387	991.0	
13 Isopropyl alcohol	45	3.572	3.577	-0.005	298870	1152.0	
14 Methylene Chloride	84	3.645	3.645	0.000	178973	20.5	
15 Acetone	43	3.701	3.701	0.000	259850	198.6	
16 trans-1,2-Dichloroethene	61	3.789	3.794	-0.005	309736	17.6	
17 Methyl acetate	43	3.815	3.820	-0.005	979916	269.4	M
18 Hexane	57	3.867	3.872	-0.005	412753	19.4	
19 Methyl tert-butyl ether	73	3.898	3.898	0.000	324124	18.5	
20 2-Methyl-2-propanol	59	3.996	3.996	0.000	79627	189.0	
21 Isopropyl ether	45	4.244	4.244	0.000	928548	18.7	
22 1,1-Dichloroethane	63	4.358	4.358	0.000	365339	19.7	
23 Acrylonitrile	53	4.420	4.420	0.000	34583	21.3	
24 Tert-butyl ethyl ether	59	4.564	4.570	-0.006	570374	19.1	
25 Vinyl acetate	43	4.585	4.585	0.000	2050596	142.8	
26 cis-1,2-Dichloroethene	61	4.828	4.828	0.000	294671	19.2	
27 2,2-Dichloropropane	77	4.926	4.926	0.000	233368	19.9	
28 Cyclohexane	56	4.993	4.999	-0.006	402817	18.2	
29 Chlorobromomethane	130	4.999	5.004	-0.006	64427	18.6	
30 Chloroform	83	5.061	5.066	-0.005	293529	20.1	
31 Ethyl acetate	43	5.169	5.174	-0.005	1069522	218.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.179	5.179	0.000	168376	18.4	
33 Tetrahydrofuran	42	5.195	5.195	0.000	384146	220.1	
34 sec-Butyl Alcohol	45	5.205	5.210	-0.005	520892	1095.1	
$ 35 Dibromofluoromethane	113	5.221	5.221	0.000	113933	19.6	
36 1,1,1-Trichloroethane	97	5.241	5.241	0.000	237364	18.2	
37 2-Butanone (MEK)	43	5.334	5.340	-0.006	419205	185.3	
38 1,1-Dichloropropene	75	5.345	5.345	0.000	237437	19.0	
39 n-Heptane	43	5.515	5.520	-0.005	421946	18.9	
40 Benzene	78	5.557	5.562	-0.005	652727	19.3	
41 Tert-amyl methyl ether	73	5.650	5.650	0.000	373437	19.6	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.675	5.676	-0.001	21977	20.0	
43 1,2-Dichloroethane	62	5.727	5.727	0.000	155561	19.1	
* 44 Fluorobenzene	96	5.903	5.903	0.000	499926	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.924	5.924	0.000	174752	20.5	
46 Isopropyl acetate	43	5.929	5.929	0.000	2185978	210.7	
47 Methylcyclohexane	83	6.027	6.027	0.000	298399	19.0	
48 Trichloroethene	95	6.032	6.032	0.000	155197	20.5	
49 2,4,4-Trimethyl-2-pentene	112	6.058	6.063	-0.005	93272	19.9	
50 Dibromomethane	93	6.373	6.378	-0.005	57600	19.3	
51 1,2-Dichloropropane	63	6.461	6.461	0.000	149319	21.2	
52 Dichlorobromomethane	83	6.502	6.502	0.000	165593	19.2	
53 Methyl methacrylate	69	6.626	6.626	0.000	43384	19.6	
54 1,4-Dioxane	88	6.673	6.678	-0.005	5482	233.3	
55 n-Propyl acetate	43	6.735	6.735	0.000	1283679	206.7	
56 2-Chloroethyl vinyl ether	63	6.947	6.952	-0.005	338591	352.0	
57 cis-1,3-Dichloropropene	75	6.998	7.004	-0.006	187564	18.9	
$ 58 Toluene-d8 (Surr)	98	7.143	7.148	-0.005	449535	20.3	
59 Toluene	92	7.185	7.185	-0.001	343254	20.0	
60 Tetrachloroethene	164	7.479	7.479	0.000	95468	20.5	
61 4-Methyl-2-pentanone (MIBK)	43	7.479	7.479	0.000	933517	182.8	
62 trans-1,3-Dichloropropene	75	7.500	7.505	-0.005	136267	18.7	
63 Isobutyl acetate	43	7.562	7.562	0.000	2947342	201.3	
64 1,1,2-Trichloroethane	83	7.629	7.629	0.000	60180	19.3	
65 Chlorodibromomethane	129	7.763	7.763	0.000	67279	17.9	
66 1,3-Dichloropropane	76	7.841	7.841	0.000	132216	18.7	
67 Ethylene Dibromide	107	7.955	7.955	0.000	61347	19.5	
68 n-Butyl acetate	43	8.032	8.032	0.000	1536759	186.3	
69 2-Hexanone	43	8.115	8.115	0.000	559205	175.8	
* 70 Chlorobenzene-d5	117	8.337	8.337	0.000	301882	20.0	
71 Chlorobenzene	112	8.352	8.352	0.000	327394	19.9	
72 Ethylbenzene	91	8.363	8.368	-0.005	657810	20.4	
73 1,1,1,2-Tetrachloroethane	131	8.394	8.399	-0.005	101706	20.4	
74 m-Xylene & p-Xylene	91	8.476	8.477	-0.001	1021585	38.7	
75 o-Xylene	91	8.807	8.807	0.000	550933	19.2	
76 Styrene	104	8.849	8.849	0.000	371160	19.1	
77 Bromoform	173	8.874	8.874	0.000	40564	17.3	
78 Isopropylbenzene	105	9.045	9.045	0.000	674016	19.8	
$ 80 4-Bromofluorobenzene	95	9.267	9.272	-0.005	166602	19.3	
81 Bromobenzene	77	9.355	9.355	0.000	281711	18.3	
82 N-Propylbenzene	91	9.365	9.365	0.000	850362	19.4	
83 1,1,2,2-Tetrachloroethane	83	9.417	9.422	-0.005	87222	17.8	
84 2-Chlorotoluene	91	9.495	9.495	0.000	546546	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	547030	19.6	
86 1,2,3-Trichloropropane	110	9.531	9.536	-0.005	20801	22.2	
87 trans-1,4-Dichloro-2-butene	53	9.562	9.562	0.000	30000	18.7	
88 4-Chlorotoluene	91	9.624	9.624	0.000	491237	19.3	
89 tert-Butylbenzene	119	9.768	9.768	0.000	448827	20.2	
90 1,2,4-Trimethylbenzene	105	9.820	9.820	0.000	544154	19.2	
91 sec-Butylbenzene	105	9.903	9.908	-0.005	751472	19.8	
92 4-Isopropyltoluene	119	10.017	10.017	-0.001	584624	20.4	
93 1,3-Dichlorobenzene	146	10.084	10.084	0.000	244785	19.3	
* 94 1,4-Dichlorobenzene-d4	152	10.141	10.146	-0.005	142334	20.0	
95 1,4-Dichlorobenzene	146	10.156	10.156	0.000	239804	18.9	
96 n-Butylbenzene	91	10.358	10.358	0.000	642716	19.6	
97 1,2-Dichlorobenzene	146	10.513	10.513	0.000	202484	19.1	
98 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.000	10365	18.9	
99 1,3,5-Trichlorobenzene	180	11.314	11.319	-0.005	195864	21.3	
100 Hexachlorobutadiene	225	12.042	12.042	0.000	72608	19.7	
101 1,2,4-Trichlorobenzene	180	12.089	12.094	-0.005	142264	20.5	
102 Naphthalene	128	12.559	12.559	0.000	169913	18.5	
103 1,2,3-Trichlorobenzene	180	12.833	12.838	-0.005	105988	20.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 08:28:25 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45138.D

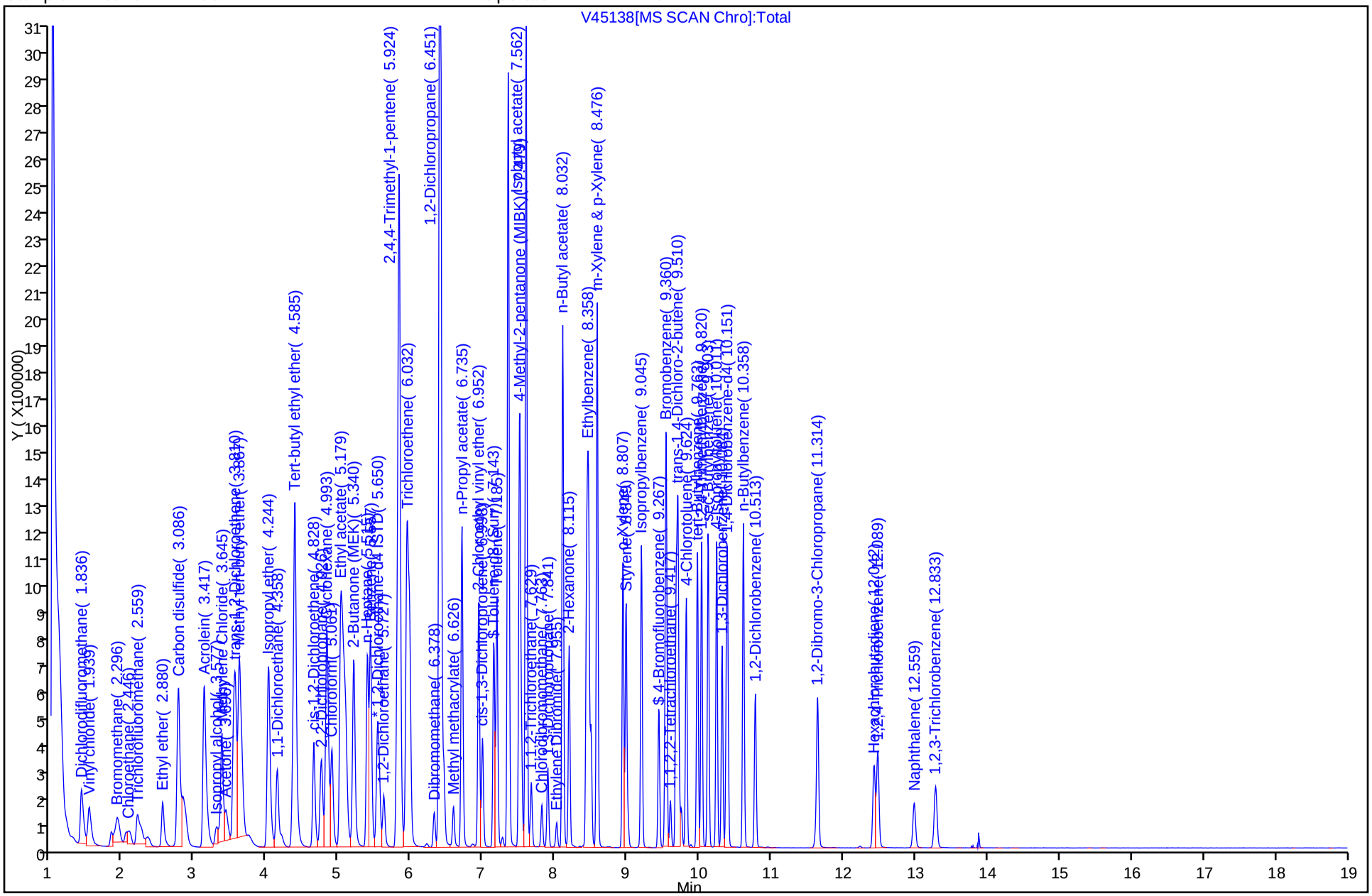
Inj Date: 18-Sep-2009 16:23:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-49178/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49046/2-A

Matrix: Solid | Lab File ID: V45050.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	96.6		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	103		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	88.4		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	89.2		12	1.0
79-00-5	1,1,2-Trichloroethane	91.5		2.5	1.0
75-34-3	1,1-Dichloroethane	102		2.5	1.0
75-35-4	1,1-Dichloroethene	101		2.5	1.0
563-58-6	1,1-Dichloropropene	91.1		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	93.5		2.5	1.0
96-18-4	1,2,3-Trichloropropane	107		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	95.5		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	97.0		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	88.1		25	1.8
106-93-4	Ethylene Dibromide	91.5		2.5	1.0
95-50-1	1,2-Dichlorobenzene	93.3		2.5	1.0
107-06-2	1,2-Dichloroethane	92.3		2.5	1.0
78-87-5	1,2-Dichloropropane	106		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	100		2.5	1.0
541-73-1	1,3-Dichlorobenzene	95.8		2.5	1.0
142-28-9	1,3-Dichloropropane	88.6		2.5	1.0
106-46-7	1,4-Dichlorobenzene	92.8		2.5	1.0
123-91-1	1,4-Dioxane	1190		250	33
594-20-7	2,2-Dichloropropane	128		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	100		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	90.9		5.0	1.0
95-49-8	2-Chlorotoluene	95.9		2.5	1.0
591-78-6	2-Hexanone	834		25	5.1
106-43-4	4-Chlorotoluene	94.8		2.5	1.0
67-64-1	Acetone	1060		250	18
71-43-2	Benzene	95.7		2.5	1.0
108-86-1	Bromobenzene	91.8		2.5	1.0
74-97-5	Chlorobromomethane	94.2		2.5	1.0
75-27-4	Dichlorobromomethane	89.9		2.5	1.0
75-25-2	Bromoform	81.6		2.5	1.0
74-83-9	Bromomethane	115		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49046/2-A

Matrix: Solid | Lab File ID: V45050.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	97.6		2.5	1.0
75-15-0	Carbon disulfide	98.9		2.5	1.0
56-23-5	Carbon tetrachloride	93.5		2.5	1.0
108-90-7	Chlorobenzene	95.5		2.5	1.0
75-00-3	Chloroethane	104		5.0	1.0
67-66-3	Chloroform	98.7		2.5	1.0
74-87-3	Chloromethane	98.1		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	97.2		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	87.4		2.5	1.0
110-82-7	Cyclohexane	91.8		25	2.6
124-48-1	Chlorodibromomethane	85.7		2.5	1.0
74-95-3	Dibromomethane	92.4		2.5	1.0
75-71-8	Dichlorodifluoromethane	56.0		5.0	1.0
60-29-7	Ethyl ether	100		2.5	1.0
108-20-3	Isopropyl ether	95.7		2.5	1.0
637-92-3	Tert-butyl ethyl ether	98.6		2.5	2.5
100-41-4	Ethylbenzene	102		2.5	1.0
87-68-3	Hexachlorobutadiene	92.1		2.5	1.0
98-82-8	Isopropylbenzene	100		2.5	1.0
79-20-9	Methyl acetate	1190		50	16
78-93-3	2-Butanone (MEK)	888		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	926		25	5.2
1634-04-4	Methyl tert-butyl ether	96.4		2.5	1.0
108-87-2	Methylcyclohexane	92.8		2.5	1.0
75-09-2	Methylene Chloride	109		10	4.8
136777-61-2	m-Xylene & p-Xylene	191		5.0	1.0
91-20-3	Naphthalene	83.7		25	1.0
103-65-1	N-Propylbenzene	97.5		2.5	1.0
95-47-6	o-Xylene	97.3		2.5	1.0
99-87-6	4-Isopropyltoluene	103		2.5	1.0
135-98-8	sec-Butylbenzene	98.8		2.5	1.0
100-42-5	Styrene	94.2		2.5	1.0
994-05-8	Tert-amyl methyl ether	98.7		2.5	1.0
98-06-6	tert-Butylbenzene	100		2.5	1.0
127-18-4	Tetrachloroethene	94.2		2.5	1.0
109-99-9	Tetrahydrofuran	1070		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49046/2-A

Matrix: Solid | Lab File ID: V45050.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/16/2009 17:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49049 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	98.2		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	95.5		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	89.2		2.5	1.0
79-01-6	Trichloroethene	97.0		2.5	1.0
75-69-4	Trichlorofluoromethane	86.1		5.0	1.0
75-01-4	Vinyl chloride	91.6		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	96	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45050.D		
Lims ID:	LCSD 360-49046/2-A	Client ID:	
Inject. Date:	16-Sep-2009 17:25:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-49046/2-A		
Misc. Info.:	360-0001195-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49049	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 09:21:51	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 09:25:05

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.624	1.629	-0.005	78317	11.2	M
2 Chloromethane	50	1.810	1.810	0.000	239447	19.6	
3 Vinyl chloride	62	1.908	1.908	0.000	157395	18.3	
4 Bromomethane	94	2.260	2.264	-0.004	99407	23.0	
5 Chloroethane	64	2.384	2.404	-0.020	97128	20.8	
6 Trichlorofluoromethane	101	2.534	2.538	-0.004	129475	17.2	
7 Ethyl ether	59	2.854	2.859	-0.005	70775	20.1	
8 1,1-Dichloroethene	96	3.050	3.050	0.000	89456	20.1	
10 Carbon disulfide	76	3.066	3.065	0.001	399716	19.8	
9 Ethanol	45	3.066	3.065	0.001	32314	1373.2	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.107	3.127	-0.020	48088	17.8	
12 Acrolein	56	3.386	3.391	-0.005	555641	1054.0	
13 Isopropyl alcohol	45	3.546	3.551	-0.005	185585	1234.1	
14 Methylene Chloride	84	3.614	3.618	-0.004	109855	21.8	
15 Acetone	43	3.670	3.675	-0.005	160197	211.3	
16 trans-1,2-Dichloroethene	61	3.764	3.768	-0.004	195223	19.1	
17 Methyl acetate	43	3.789	3.789	0.000	500790	237.3	
18 Hexane	57	3.841	3.846	-0.005	221591	17.9	
19 Methyl tert-butyl ether	73	3.872	3.877	-0.005	195441	19.3	
20 2-Methyl-2-propanol	59	3.965	3.970	-0.005	52080	201.9	
21 Isopropyl ether	45	4.218	4.218	0.000	552195	19.1	
22 1,1-Dichloroethane	63	4.327	4.332	-0.005	220043	20.4	
23 Acrylonitrile	53	4.389	4.388	0.001	20953	22.3	
24 Tert-butyl ethyl ether	59	4.539	4.543	-0.004	341436	19.7	
25 Vinyl acetate	43	4.559	4.559	0.000	1425746	171.2	
26 cis-1,2-Dichloroethene	61	4.797	4.802	-0.005	173453	19.4	
27 2,2-Dichloropropane	77	4.895	4.900	-0.005	169695	25.5	
28 Cyclohexane	56	4.968	4.972	-0.004	235398	18.4	
29 Chlorobromomethane	130	4.973	4.972	0.001	37870	18.8	
30 Chloroform	83	5.035	5.034	0.001	167144	19.7	
31 Ethyl acetate	43	5.143	5.148	-0.005	563061	198.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.149	5.153	-0.005	99209	18.7	
33 Tetrahydrofuran	42	5.169	5.169	0.000	216331	213.6	
34 sec-Butyl Alcohol	45	5.180	5.179	0.001	281604	1020.5	
$ 35 Dibromofluoromethane	113	5.190	5.195	-0.005	68638	20.3	
36 1,1,1-Trichloroethane	97	5.211	5.215	-0.004	146297	19.3	
37 2-Butanone (MEK)	43	5.309	5.308	0.001	233237	177.6	
38 1,1-Dichloropropene	75	5.314	5.319	-0.005	131863	18.2	
39 n-Heptane	43	5.490	5.494	-0.004	223195	17.2	
40 Benzene	78	5.531	5.530	0.001	374964	19.1	
41 Tert-amyl methyl ether	73	5.619	5.623	-0.004	218238	19.7	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.645	5.644	0.001	13454	20.0	
43 1,2-Dichloroethane	62	5.701	5.701	0.000	87067	18.5	
* 44 Fluorobenzene	96	5.872	5.877	-0.005	290021	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.893	5.897	-0.004	99118	20.0	
46 Isopropyl acetate	43	5.903	5.903	0.000	1260559	209.4	
47 Methylcyclohexane	83	5.996	6.001	-0.005	168799	18.6	
48 Trichloroethene	95	6.006	6.006	0.000	85339	19.4	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.037	0.000	49331	18.2	
50 Dibromomethane	93	6.347	6.352	-0.005	31965	18.5	
51 1,2-Dichloropropane	63	6.430	6.435	-0.005	86879	21.3	
52 Dichlorobromomethane	83	6.477	6.476	0.001	90027	18.0	
53 Methyl methacrylate	69	6.601	6.605	-0.004	23494	18.3	
54 1,4-Dioxane	88	6.637	6.642	-0.005	3425	238.3	
55 n-Propyl acetate	43	6.709	6.714	-0.005	701144	194.6	
56 2-Chloroethyl vinyl ether	63	6.926	6.931	-0.005	146687	267.3	
57 cis-1,3-Dichloropropene	75	6.973	6.977	-0.004	100729	17.5	
$ 58 Toluene-d8 (Surr)	98	7.123	7.122	0.001	262760	20.4	
59 Toluene	92	7.159	7.163	-0.004	195384	19.6	
60 Tetrachloroethene	164	7.453	7.453	0.000	50898	18.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.453	7.458	-0.005	548473	185.1	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	75249	17.8	
63 Isobutyl acetate	43	7.536	7.541	-0.005	1761622	207.4	
64 1,1,2-Trichloroethane	83	7.603	7.608	-0.005	33119	18.3	
65 Chlorodibromomethane	129	7.738	7.742	-0.004	37379	17.1	
66 1,3-Dichloropropane	76	7.815	7.820	-0.005	72664	17.7	
67 Ethylene Dibromide	107	7.929	7.934	-0.005	33474	18.3	
68 n-Butyl acetate	43	8.012	8.011	0.001	908729	189.9	
69 2-Hexanone	43	8.094	8.094	0.000	307711	166.7	
* 70 Chlorobenzene-d5	117	8.316	8.316	0.000	175653	20.0	
71 Chlorobenzene	112	8.327	8.331	-0.004	182655	19.1	
72 Ethylbenzene	91	8.342	8.347	-0.005	383275	20.5	
73 1,1,1,2-Tetrachloroethane	131	8.373	8.373	0.000	59653	20.5	
74 m-Xylene & p-Xylene	91	8.451	8.455	-0.004	585809	38.1	
75 o-Xylene	91	8.787	8.786	0.001	324258	19.5	
76 Styrene	104	8.828	8.828	0.000	213375	18.8	
77 Bromoform	173	8.849	8.853	-0.004	22635	16.3	
78 Isopropylbenzene	105	9.024	9.024	0.000	395363	20.0	
$ 80 4-Bromofluorobenzene	95	9.247	9.251	-0.004	97083	19.3	
81 Bromobenzene	77	9.334	9.334	0.000	164364	18.4	
82 N-Propylbenzene	91	9.345	9.344	0.001	497323	19.5	
83 1,1,2,2-Tetrachloroethane	83	9.396	9.401	-0.005	51468	17.7	
84 2-Chlorotoluene	91	9.474	9.474	0.000	323153	19.2	

Report Date: 17-Sep-2009 09:25:05 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45050.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.495	9.494	0.001	325788	20.1	
86 1,2,3-Trichloropropane	110	9.510	9.515	-0.005	11661	21.4	
87 trans-1,4-Dichloro-2-butene	53	9.536	9.541	-0.005	17301	18.5	
88 4-Chlorotoluene	91	9.603	9.603	0.000	281424	19.0	
89 tert-Butylbenzene	119	9.748	9.747	0.001	259482	20.1	
90 1,2,4-Trimethylbenzene	105	9.800	9.799	0.001	320418	19.4	
91 sec-Butylbenzene	105	9.882	9.887	-0.005	436957	19.8	
92 4-Isopropyltoluene	119	9.996	9.995	0.001	343304	20.6	
93 1,3-Dichlorobenzene	146	10.063	10.063	0.000	141705	19.2	
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.125	-0.005	84484	20.0	
95 1,4-Dichlorobenzene	146	10.136	10.135	0.001	139677	18.6	
96 n-Butylbenzene	91	10.337	10.337	0.000	380287	19.5	
97 1,2-Dichlorobenzene	146	10.492	10.492	0.000	117552	18.7	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.262	0.000	5731	17.6	
99 1,3,5-Trichlorobenzene	180	11.288	11.287	0.001	112415	20.6	
100 Hexachlorobutadiene	225	12.011	12.016	-0.005	40252	18.4	
101 1,2,4-Trichlorobenzene	180	12.063	12.063	0.000	78716	19.1	
102 Naphthalene	128	12.523	12.528	-0.005	91045	16.7	
103 1,2,3-Trichlorobenzene	180	12.802	12.802	0.000	56974	18.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 09:25:05 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090916-1.b\V45050.D

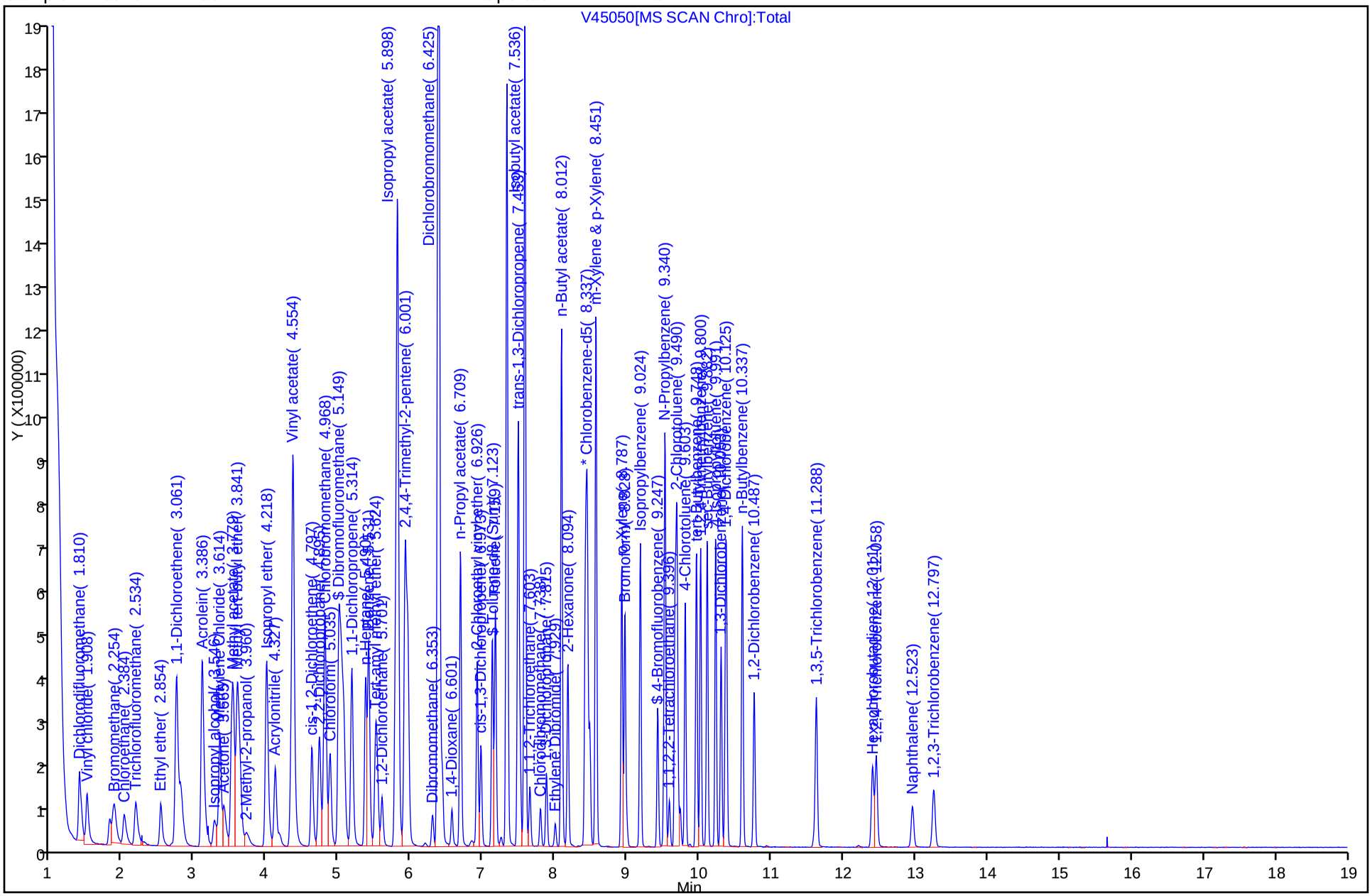
Inj Date: 16-Sep-2009 17:25:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49049 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-49046/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49099/2-A

Matrix: Solid | Lab File ID: V45089.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	95.6		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	104		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	87.0		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	98.6		12	1.0
79-00-5	1,1,2-Trichloroethane	91.7		2.5	1.0
75-34-3	1,1-Dichloroethane	99.0		2.5	1.0
75-35-4	1,1-Dichloroethene	100		2.5	1.0
563-58-6	1,1-Dichloropropene	96.4		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	99.4		2.5	1.0
96-18-4	1,2,3-Trichloropropane	112		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	99.8		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	98.9		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	87.5		25	1.8
106-93-4	Ethylene Dibromide	91.5		2.5	1.0
95-50-1	1,2-Dichlorobenzene	94.3		2.5	1.0
107-06-2	1,2-Dichloroethane	92.0		2.5	1.0
78-87-5	1,2-Dichloropropane	105		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	102		2.5	1.0
541-73-1	1,3-Dichlorobenzene	98.7		2.5	1.0
142-28-9	1,3-Dichloropropane	89.1		2.5	1.0
106-46-7	1,4-Dichlorobenzene	94.1		2.5	1.0
123-91-1	1,4-Dioxane	1190		250	33
594-20-7	2,2-Dichloropropane	110		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	111		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	105		5.0	1.0
95-49-8	2-Chlorotoluene	96.4		2.5	1.0
591-78-6	2-Hexanone	845		25	5.1
106-43-4	4-Chlorotoluene	97.6		2.5	1.0
67-64-1	Acetone	839		250	18
71-43-2	Benzene	96.5		2.5	1.0
108-86-1	Bromobenzene	92.1		2.5	1.0
74-97-5	Chlorobromomethane	92.6		2.5	1.0
75-27-4	Dichlorobromomethane	90.4		2.5	1.0
75-25-2	Bromoform	84.2		2.5	1.0
74-83-9	Bromomethane	109		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49099/2-A

Matrix: Solid | Lab File ID: V45089.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	101		2.5	1.0
75-15-0	Carbon disulfide	95.2		2.5	1.0
56-23-5	Carbon tetrachloride	98.9		2.5	1.0
108-90-7	Chlorobenzene	99.0		2.5	1.0
75-00-3	Chloroethane	100		5.0	1.0
67-66-3	Chloroform	97.9		2.5	1.0
74-87-3	Chloromethane	95.5		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	95.2		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	89.0		2.5	1.0
110-82-7	Cyclohexane	95.9		25	2.6
124-48-1	Chlorodibromomethane	86.7		2.5	1.0
74-95-3	Dibromomethane	92.7		2.5	1.0
75-71-8	Dichlorodifluoromethane	64.9		5.0	1.0
60-29-7	Ethyl ether	96.5		2.5	1.0
108-20-3	Isopropyl ether	91.4		2.5	1.0
637-92-3	Tert-butyl ethyl ether	93.2		2.5	2.5
100-41-4	Ethylbenzene	105		2.5	1.0
87-68-3	Hexachlorobutadiene	101		2.5	1.0
98-82-8	Isopropylbenzene	104		2.5	1.0
79-20-9	Methyl acetate	1140		50	16
78-93-3	2-Butanone (MEK)	928		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	916		25	5.2
1634-04-4	Methyl tert-butyl ether	91.0		2.5	1.0
108-87-2	Methylcyclohexane	99.1		2.5	1.0
75-09-2	Methylene Chloride	97.1		10	4.8
136777-61-2	m-Xylene & p-Xylene	197		5.0	1.0
91-20-3	Naphthalene	88.4		25	1.0
103-65-1	N-Propylbenzene	101		2.5	1.0
95-47-6	o-Xylene	98.2		2.5	1.0
99-87-6	4-Isopropyltoluene	107		2.5	1.0
135-98-8	sec-Butylbenzene	105		2.5	1.0
100-42-5	Styrene	95.1		2.5	1.0
994-05-8	Tert-amyl methyl ether	95.3		2.5	1.0
98-06-6	tert-Butylbenzene	106		2.5	1.0
127-18-4	Tetrachloroethene	104		2.5	1.0
109-99-9	Tetrahydrofuran	1010		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49099/2-A

Matrix: Solid | Lab File ID: V45089.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2009 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49101 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	99.0		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	90.0		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	89.1		2.5	1.0
79-01-6	Trichloroethene	102		2.5	1.0
75-69-4	Trichlorofluoromethane	98.5		5.0	1.0
75-01-4	Vinyl chloride	96.6		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45089.D		
Lims ID:	LCSD 360-49099/2-A	Client ID:	
Inject. Date:	17-Sep-2009 14:15:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-49099/2-A		
Misc. Info.:	360-0001210-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49101	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\WES1SOIL.m		
Last Update:	17-Sep-2009 14:44:42	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	17-Sep-2009 14:47:17

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	145291	13.0	M
2 Chloromethane	50	1.815	1.810	0.005	372883	19.1	
3 Vinyl chloride	62	1.913	1.908	0.005	264655	19.3	
4 Bromomethane	94	2.269	2.260	0.009	151194	21.9	
5 Chloroethane	64	2.404	2.384	0.020	150397	20.1	
6 Trichlorofluoromethane	101	2.538	2.533	0.005	236729	19.7	
7 Ethyl ether	59	2.859	2.854	0.005	108906	19.3	
8 1,1-Dichloroethene	96	3.055	3.045	0.010	142592	20.1	
10 Carbon disulfide	76	3.065	3.061	0.004	615090	19.0	
9 Ethanol	45	3.081	3.071	0.010	28530	745.4	M
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.112	0.015	84929	19.7	
12 Acrolein	56	3.391	3.386	0.005	830734	1079.0	
13 Isopropyl alcohol	45	3.551	3.546	0.005	244328	1013.9	
14 Methylene Chloride	84	3.618	3.614	0.004	157462	19.4	
15 Acetone	43	3.675	3.670	0.005	204390	167.7	
16 trans-1,2-Dichloroethene	61	3.768	3.763	0.005	294064	18.0	
17 Methyl acetate	43	3.794	3.784	0.010	771634	228.8	
18 Hexane	57	3.841	3.836	0.004	388057	19.6	
19 Methyl tert-butyl ether	73	3.877	3.867	0.010	294957	18.2	
20 2-Methyl-2-propanol	59	3.970	3.960	0.010	70084	186.1	
21 Isopropyl ether	45	4.218	4.213	0.005	842750	18.3	
22 1,1-Dichloroethane	63	4.331	4.327	0.004	340830	19.8	
23 Acrylonitrile	53	4.393	4.389	0.004	31207	20.7	
24 Tert-butyl ethyl ether	59	4.543	4.533	0.010	515621	18.6	
25 Vinyl acetate	43	4.559	4.554	0.005	2001433	150.3	
26 cis-1,2-Dichloroethene	61	4.802	4.797	0.005	271561	19.0	
27 2,2-Dichloropropane	77	4.900	4.890	0.010	237736	22.1	
28 Cyclohexane	56	4.967	4.962	0.005	393001	19.2	
29 Chlorobromomethane	130	4.972	4.968	0.004	59513	18.5	
30 Chloroform	83	5.034	5.030	0.004	264995	19.6	
31 Ethyl acetate	43	5.148	5.143	0.005	870896	191.6	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.153	5.143	0.010	167638	19.8	
33 Tetrahydrofuran	42	5.174	5.164	0.010	325939	201.2	
34 sec-Butyl Alcohol	45	5.184	5.169	0.015	422912	958.8	
$ 35 Dibromofluoromethane	113	5.194	5.190	0.004	106417	19.7	
36 1,1,1-Trichloroethane	97	5.215	5.210	0.005	231236	19.1	
37 2-Butanone (MEK)	43	5.308	5.303	0.005	389499	185.7	
38 1,1-Dichloropropene	75	5.319	5.314	0.005	223162	19.3	
39 n-Heptane	43	5.494	5.484	0.010	401285	19.4	
40 Benzene	78	5.530	5.526	0.004	604360	19.3	
41 Tert-amyl methyl ether	73	5.623	5.619	0.004	336577	19.1	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.644	5.645	-0.001	19649	20.0	
43 1,2-Dichloroethane	62	5.706	5.701	0.005	138668	18.4	
* 44 Fluorobenzene	96	5.877	5.872	0.005	463552	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.897	5.893	0.004	174063	22.2	
46 Isopropyl acetate	43	5.902	5.898	0.004	1837443	191.0	
47 Methylcyclohexane	83	6.001	5.996	0.005	288074	19.8	
48 Trichloroethene	95	6.006	6.001	0.005	142937	20.3	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.032	0.005	90850	20.9	
50 Dibromomethane	93	6.352	6.347	0.005	51291	18.5	
51 1,2-Dichloropropane	63	6.435	6.430	0.005	136442	20.9	
52 Dichlorobromomethane	83	6.476	6.477	-0.001	144734	18.1	
53 Methyl methacrylate	69	6.600	6.601	-0.001	37825	18.5	
54 1,4-Dioxane	88	6.652	6.642	0.010	4998	238.1	
55 n-Propyl acetate	43	6.714	6.709	0.005	1046821	181.8	
56 2-Chloroethyl vinyl ether	63	6.926	6.921	0.005	291380	327.9	
57 cis-1,3-Dichloropropene	75	6.977	6.973	0.004	163970	17.8	
$ 58 Toluene-d8 (Surr)	98	7.122	7.117	0.005	417682	20.3	
59 Toluene	92	7.163	7.159	0.004	314933	19.8	
60 Tetrachloroethene	164	7.453	7.453	0.000	90151	20.9	
61 4-Methyl-2-pentanone (MIBK)	43	7.453	7.453	0.000	867273	183.1	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	120041	17.8	
63 Isobutyl acetate	43	7.541	7.536	0.005	2497281	183.9	
64 1,1,2-Trichloroethane	83	7.603	7.603	0.000	53047	18.3	
65 Chlorodibromomethane	129	7.742	7.738	0.004	60459	17.3	
66 1,3-Dichloropropane	76	7.820	7.815	0.005	116801	17.8	
67 Ethylene Dibromide	107	7.933	7.929	0.004	53488	18.3	
68 n-Butyl acetate	43	8.011	8.011	0.000	1272410	166.3	
69 2-Hexanone	43	8.094	8.089	0.005	498700	169.0	
* 70 Chlorobenzene-d5	117	8.316	8.311	0.005	274516	20.0	
71 Chlorobenzene	112	8.331	8.327	0.004	295757	19.8	
72 Ethylbenzene	91	8.342	8.342	0.000	613303	21.0	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.373	0.005	94073	20.7	
74 m-Xylene & p-Xylene	91	8.455	8.451	0.004	947444	39.4	
75 o-Xylene	91	8.786	8.781	0.005	511321	19.6	
76 Styrene	104	8.828	8.823	0.005	336754	19.0	
77 Bromoform	173	8.853	8.849	0.004	36825	16.8	
78 Isopropylbenzene	105	9.024	9.024	0.000	640431	20.7	
$ 80 4-Bromofluorobenzene	95	9.251	9.247	0.004	153103	19.5	
81 Bromobenzene	77	9.334	9.334	0.000	257684	18.4	
82 N-Propylbenzene	91	9.344	9.345	-0.001	807519	20.3	
83 1,1,2,2-Tetrachloroethane	83	9.401	9.396	0.005	79701	17.4	
84 2-Chlorotoluene	91	9.473	9.474	-0.001	507758	19.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.494	9.495	-0.001	519477	20.5	
86 1,2,3-Trichloropropane	110	9.515	9.510	0.005	19153	22.5	
87 trans-1,4-Dichloro-2-butene	53	9.541	9.536	0.005	26735	18.3	
88 4-Chlorotoluene	91	9.603	9.603	0.000	452614	19.5	
89 tert-Butylbenzene	119	9.747	9.748	-0.001	428048	21.2	
90 1,2,4-Trimethylbenzene	105	9.799	9.799	0.000	510799	19.8	
91 sec-Butylbenzene	105	9.887	9.882	0.005	726785	21.0	
92 4-Isopropyltoluene	119	9.995	9.991	0.004	557564	21.4	
93 1,3-Dichlorobenzene	146	10.063	10.063	0.000	228172	19.7	
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.120	0.005	132959	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.135	0.000	222815	18.8	
96 n-Butylbenzene	91	10.337	10.337	0.000	616924	20.1	
97 1,2-Dichlorobenzene	146	10.492	10.487	0.005	186937	18.9	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.262	0.000	8956	17.5	
99 1,3,5-Trichlorobenzene	180	11.293	11.288	0.005	174429	20.3	
100 Hexachlorobutadiene	225	12.016	12.011	0.005	69150	20.1	
101 1,2,4-Trichlorobenzene	180	12.063	12.058	0.005	129397	20.0	
102 Naphthalene	128	12.528	12.523	0.005	151475	17.7	
103 1,2,3-Trichlorobenzene	180	12.807	12.797	0.010	95381	19.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:47:17 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090917-1.b\V45089.D

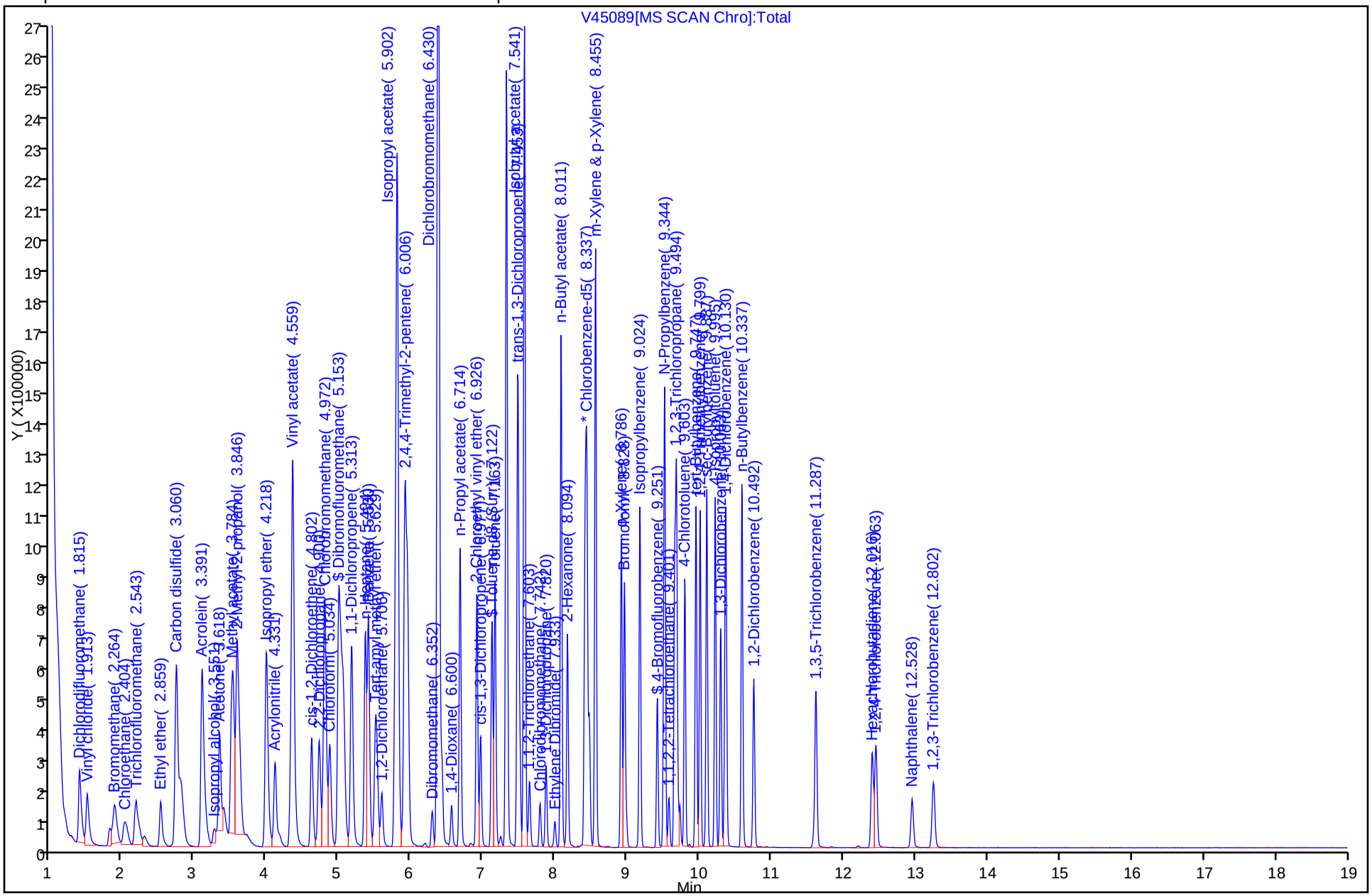
Inj Date: 17-Sep-2009 14:15:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49101 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-49099/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49119/4

Matrix: Water | Lab File ID: V06973.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.70
630-20-6	1,1,1,2-Tetrachloroethane	21.3		1.0	0.61
79-34-5	1,1,2,2-Tetrachloroethane	14.7		0.50	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.0		1.0	0.63
79-00-5	1,1,2-Trichloroethane	19.6		1.0	0.72
75-34-3	1,1-Dichloroethane	19.8		1.0	0.67
75-35-4	1,1-Dichloroethene	18.4		1.0	0.64
563-58-6	1,1-Dichloropropene	20.5		1.0	0.68
87-61-6	1,2,3-Trichlorobenzene	18.4		1.0	0.42
96-18-4	1,2,3-Trichloropropane	18.7		1.0	0.65
120-82-1	1,2,4-Trichlorobenzene	19.2		1.0	0.34
95-63-6	1,2,4-Trimethylbenzene	19.5		1.0	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	13.1		5.0	0.58
106-93-4	Ethylene Dibromide	21.0		1.0	0.54
95-50-1	1,2-Dichlorobenzene	20.2		1.0	0.62
107-06-2	1,2-Dichloroethane	18.8		1.0	0.62
78-87-5	1,2-Dichloropropane	19.7		1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	19.7		1.0	0.66
541-73-1	1,3-Dichlorobenzene	23.4		1.0	0.64
142-28-9	1,3-Dichloropropane	20.0		1.0	0.57
106-46-7	1,4-Dichlorobenzene	20.5		1.0	0.62
123-91-1	1,4-Dioxane	126		50	7.7
594-20-7	2,2-Dichloropropane	27.0		1.0	0.60
107-39-1	2,4,4-Trimethyl-1-pentene	20.8		1.0	0.81
107-40-4	2,4,4-Trimethyl-2-pentene	16.7		1.0	0.50
95-49-8	2-Chlorotoluene	19.5		1.0	0.65
591-78-6	2-Hexanone	151		10	7.3
106-43-4	4-Chlorotoluene	20.3		1.0	0.62
67-64-1	Acetone	144		50	20
71-43-2	Benzene	20.3		1.0	0.74
108-86-1	Bromobenzene	19.8		1.0	0.64
74-97-5	Chlorobromomethane	22.2		1.0	0.78
75-27-4	Dichlorobromomethane	20.1		1.0	0.63
75-25-2	Bromoform	16.7		1.0	0.60
74-83-9	Bromomethane	24.6		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49119/4

Matrix: Water | Lab File ID: V06973.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	16.8		1.0	0.59
75-15-0	Carbon disulfide	18.7		10	0.62
56-23-5	Carbon tetrachloride	23.6		1.0	0.71
108-90-7	Chlorobenzene	20.9		1.0	0.65
75-00-3	Chloroethane	20.2		2.0	0.40
67-66-3	Chloroform	20.1		1.0	0.66
74-87-3	Chloromethane	18.4		2.0	0.30
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.65
10061-01-5	cis-1,3-Dichloropropene	22.1		0.40	0.40
110-82-7	Cyclohexane	19.2		10	2.8
124-48-1	Chlorodibromomethane	21.1		0.50	0.50
74-95-3	Dibromomethane	19.2		1.0	0.65
75-71-8	Dichlorodifluoromethane	13.4		1.0	0.24
60-29-7	Ethyl ether	18.9		10	0.63
108-20-3	Isopropyl ether	19.2		10	0.62
637-92-3	Tert-butyl ethyl ether	21.0		5.0	0.67
100-41-4	Ethylbenzene	20.7		1.0	0.67
87-68-3	Hexachlorobutadiene	20.8		0.40	0.40
98-82-8	Isopropylbenzene	18.6		1.0	0.57
79-20-9	Methyl acetate	159		10	16
78-93-3	2-Butanone (MEK)	129		10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	155		10	8.5
1634-04-4	Methyl tert-butyl ether	22.5		1.0	0.63
108-87-2	Methylcyclohexane	21.4		10	1.0
75-09-2	Methylene Chloride	20.1		2.0	1.0
136777-61-2	m-Xylene & p-Xylene	40.2		2.0	1.4
91-20-3	Naphthalene	15.1		5.0	2.0
103-65-1	N-Propylbenzene	18.8		1.0	0.70
95-47-6	o-Xylene	17.6		1.0	0.54
99-87-6	4-Isopropyltoluene	19.8		1.0	0.59
135-98-8	sec-Butylbenzene	19.6		1.0	0.67
100-42-5	Styrene	19.1		1.0	0.60
994-05-8	Tert-amyl methyl ether	23.1		5.0	0.61
98-06-6	tert-Butylbenzene	19.1		1.0	0.61
127-18-4	Tetrachloroethene	23.6		1.0	0.48
109-99-9	Tetrahydrofuran	149		10	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49119/4

Matrix: Water | Lab File ID: V06973.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/17/2009 17:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	21.3		1.0	0.56
156-60-5	trans-1,2-Dichloroethene	19.4		1.0	0.60
10061-02-6	trans-1,3-Dichloropropene	22.9		0.40	0.40
79-01-6	Trichloroethene	20.0		1.0	0.59
75-69-4	Trichlorofluoromethane	23.2		1.0	0.31
75-01-4	Vinyl chloride	18.6		0.50	0.46

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	98	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	104	70-130	

Report Date: 18-Sep-2009 08:15:25 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06973.D		
Lims ID:	LCSD	Client ID:	
Inject. Date:	17-Sep-2009 17:07:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd		
Misc. Info.:	360-0001213-004		
Operator:	CT	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49119	Lims Sample ID:	4
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		

Method:	\\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\WES2UNPR.m		
Last Update:	18-Sep-2009 08:10:28	Calib Date:	03-Sep-2009 20:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20090904-1.b\V06690.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WES1002		

Reviewed By:	testerc	Date:	18-Sep-2009 08:15:25

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.741	1.741	0.000	114106	13.4	
2 Chloromethane	1	50	1.908	1.907	0.001	166169	18.4	
3 Vinyl chloride	1	62	1.991	1.990	0.001	153405	18.6	
4 Bromomethane	1	94	2.287	2.287	0.000	86555	24.6	
5 Chloroethane	1	64	2.406	2.406	0.000	70344	20.2	
6 Trichlorofluoromethane	1	101	2.536	2.536	0.000	228632	23.2	
7 Ethyl ether	1	59	2.821	2.821	0.000	125217	18.9	
8 Ethanol	1	45	2.951	2.939	0.012	54383	806.7	
9 1,1-Dichloroethene	1	96	3.034	3.034	0.000	122732	18.4	
10 Carbon disulfide	1	76	3.070	3.070	0.000	446639	18.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.082	3.082	0.000	101580	22.0	
13 Isopropyl alcohol	1	45	3.533	3.532	0.001	346547	641.1	
14 Methylene Chloride	1	84	3.639	3.639	0.000	154608	20.1	
15 Acetone	1	43	3.699	3.687	0.012	430417	144.2	
16 trans-1,2-Dichloroethene	1	61	3.805	3.805	0.000	222186	19.4	
17 Methyl acetate	1	43	3.817	3.817	0.000	1504070	159.5	
18 Hexane	1	57	3.888	3.888	0.000	315701	20.3	
19 Methyl tert-butyl ether	1	73	3.924	3.924	0.000	418143	22.5	
20 2-Methyl-2-propanol	1	59	4.007	4.007	0.000	114974	150.3	
21 Isopropyl ether	1	45	4.327	4.327	0.000	402749	19.2	
22 1,1-Dichloroethane	1	63	4.470	4.470	0.000	276893	19.8	
23 Acrylonitrile	1	53	4.541	4.541	0.000	57619	16.7	
24 Tert-butyl ethyl ether	1	59	4.719	4.719	0.000	410506	21.0	
25 Vinyl acetate	1	43	4.743	4.742	0.001	2907423	152.6	
27 cis-1,2-Dichloroethene	1	61	5.051	5.051	0.000	207768	20.2	
28 2,2-Dichloropropane	1	77	5.181	5.181	0.000	182426	27.0	
29 Cyclohexane	1	56	5.276	5.264	0.012	236180	19.2	
30 Chlorobromomethane	1	130	5.276	5.276	0.000	95429	22.2	
31 Chloroform	1	83	5.348	5.347	0.001	277459	20.1	
32 Ethyl acetate	1	43	5.490	5.490	0.000	1807095	157.9	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
33 Carbon tetrachloride	1	117	5.502	5.502	0.000	196704	23.6	
34 Tetrahydrofuran	1	42	5.525	5.513	0.012	641876	149.1	
35 sec-Butyl Alcohol	1	59	5.525	5.525	0.000	110550	700.5	
$ 36 Dibromofluoromethane	1	113	5.549	5.549	0.000	117035	20.2	
37 1,1,1-Trichloroethane	1	97	5.585	5.585	0.000	232058	23.0	
38 2-Butanone (MEK)	1	43	5.703	5.691	0.012	678619	129.3	
39 1,1-Dichloropropene	1	75	5.715	5.715	0.000	195792	20.5	
40 n-Heptane	1	43	5.953	5.952	0.000	213936	16.8	
41 Benzene	1	78	6.000	6.000	0.000	572120	20.3	
42 Tert-amyl methyl ether	1	73	6.130	6.118	0.012	344190	23.1	
* 43 1,2-Dichloroethane-d4 ISTD	1	102	6.154	6.154	0.000	21710	20.0	
44 1,2-Dichloroethane	1	62	6.225	6.225	0.000	233996	18.8	
* 45 Fluorobenzene	1	96	6.463	6.462	0.001	435809	20.0	
46 2,4,4-Trimethyl-1-pentene	1	55	6.498	6.498	0.000	82782	20.8	
47 Isopropyl acetate	1	43	6.498	6.498	0.000	1464286	182.4	
48 Methylcyclohexane	1	83	6.640	6.640	0.000	204452	21.4	
49 Trichloroethene	1	95	6.652	6.652	0.000	136284	20.0	
50 2,4,4-Trimethyl-2-pentene	1	55	6.700	6.700	0.000	241295	16.7	
51 Dibromomethane	1	93	7.115	7.115	0.000	76053	19.2	
52 1,2-Dichloropropane	1	63	7.222	7.221	0.001	127942	19.7	
53 Dichlorobromomethane	1	83	7.281	7.281	0.000	152004	20.1	
54 Methyl methacrylate	1	69	7.459	7.459	0.000	75234	16.4	
55 1,4-Dioxane	1	88	7.494	7.494	0.000	7114	126.4	
56 n-Propyl acetate	1	43	7.601	7.601	0.000	2004188	154.7	
58 2-Chloroethyl vinyl ether	1	63	7.874	7.874	0.000	812523	185.9	
59 cis-1,3-Dichloropropene	1	75	7.921	7.921	0.000	177305	22.1	
$ 60 Toluene-d8 (Surr)	1	98	8.111	8.111	0.000	331345	20.8	
61 Toluene	1	92	8.158	8.158	0.000	265343	21.3	
62 sec-Butyl acetate	1	43	8.348	8.348	0.000	2770147		
65 4-Methyl-2-pentanone (MIBK)	1	43	8.514	8.514	0.000	1305017	155.3	
64 Tetrachloroethene	1	164	8.514	8.514	0.000	91578	23.6	
66 trans-1,3-Dichloropropene	1	75	8.550	8.550	0.000	176942	22.9	
63 Isobutyl acetate	1	43	8.633	8.633	0.000	3143731	165.5	M
68 1,1,2-Trichloroethane	1	83	8.692	8.692	0.000	98202	19.6	
69 Chlorodibromomethane	1	129	8.858	8.858	0.000	101807	21.1	
70 1,3-Dichloropropane	1	76	8.941	8.941	0.000	166873	20.0	
71 Ethylene Dibromide	1	107	9.072	9.071	0.001	101082	21.0	
67 n-Butyl acetate	1	43	9.190	9.190	0.000	2222084	158.9	
72 2-Hexanone	1	43	9.273	9.273	0.000	938509	151.2	
* 74 Chlorobenzene-d5	1	117	9.522	9.522	0.000	233792	20.0	
75 Chlorobenzene	1	112	9.534	9.534	0.000	292754	20.9	
76 Ethylbenzene	1	91	9.558	9.558	0.000	506481	20.7	
77 1,1,1,2-Tetrachloroethane	1	131	9.593	9.593	0.000	99666	21.3	
78 m-Xylene & p-Xylene	1	91	9.688	9.688	0.000	833322	40.2	
79 o-Xylene	1	91	10.056	10.056	0.000	360918	17.6	
80 Styrene	1	104	10.103	10.103	0.000	293684	19.1	
81 Bromoform	1	173	10.127	10.127	0.000	61045	16.7	
82 Isopropylbenzene	1	105	10.317	10.317	0.000	430916	18.6	
$ 83 4-Bromofluorobenzene	1	95	10.554	10.554	0.000	107551	19.7	
85 Bromobenzene	1	77	10.649	10.649	0.000	229747	19.8	
86 N-Propylbenzene	1	91	10.661	10.672	-0.011	559277	18.8	
87 1,1,2,2-Tetrachloroethane	1	83	10.720	10.720	0.000	131568	14.7	

Compound	Det	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
88 2-Chlorotoluene	1	91	10.803	10.803	0.000	379244	19.5	
89 1,3,5-Trimethylbenzene	1	105	10.827	10.827	0.000	393462	19.7	
90 1,2,3-Trichloropropane	1	110	10.839	10.838	0.001	34208	18.7	
91 trans-1,4-Dichloro-2-butene	1	53	10.874	10.874	0.000	29820	14.3	
92 4-Chlorotoluene	1	91	10.933	10.933	0.000	354115	20.3	
93 tert-Butylbenzene	1	119	11.099	11.099	0.000	288935	19.1	
94 1,2,4-Trimethylbenzene	1	105	11.147	11.147	0.000	383649	19.5	
95 sec-Butylbenzene	1	105	11.242	11.242	0.000	464986	19.6	
96 4-Isopropyltoluene	1	119	11.360	11.360	0.000	362681	19.8	
97 1,3-Dichlorobenzene	1	146	11.432	11.431	0.001	210281	23.4	
* 98 1,4-Dichlorobenzene-d4	1	152	11.491	11.491	0.000	109508	20.0	
99 1,4-Dichlorobenzene	1	146	11.503	11.503	0.000	212875	20.5	
100 n-Butylbenzene	1	91	11.704	11.704	0.000	349858	16.8	
101 1,2-Dichlorobenzene	1	146	11.847	11.846	0.001	186622	20.2	
102 1,2-Dibromo-3-Chloropropane	1	157	12.511	12.511	0.000	14485	13.1	
103 1,3,5-Trichlorobenzene	1	180	12.523	12.522	0.001	127325	21.8	
104 Hexachlorobutadiene	1	225	13.021	13.020	0.001	61521	20.8	
105 1,2,4-Trichlorobenzene	1	180	13.056	13.056	0.000	100721	19.2	
106 Naphthalene	1	128	13.341	13.341	0.000	199586	15.1	
107 1,2,3-Trichlorobenzene	1	180	13.507	13.507	0.000	94111	18.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 08:15:25 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20090917-1.b\V06973.D

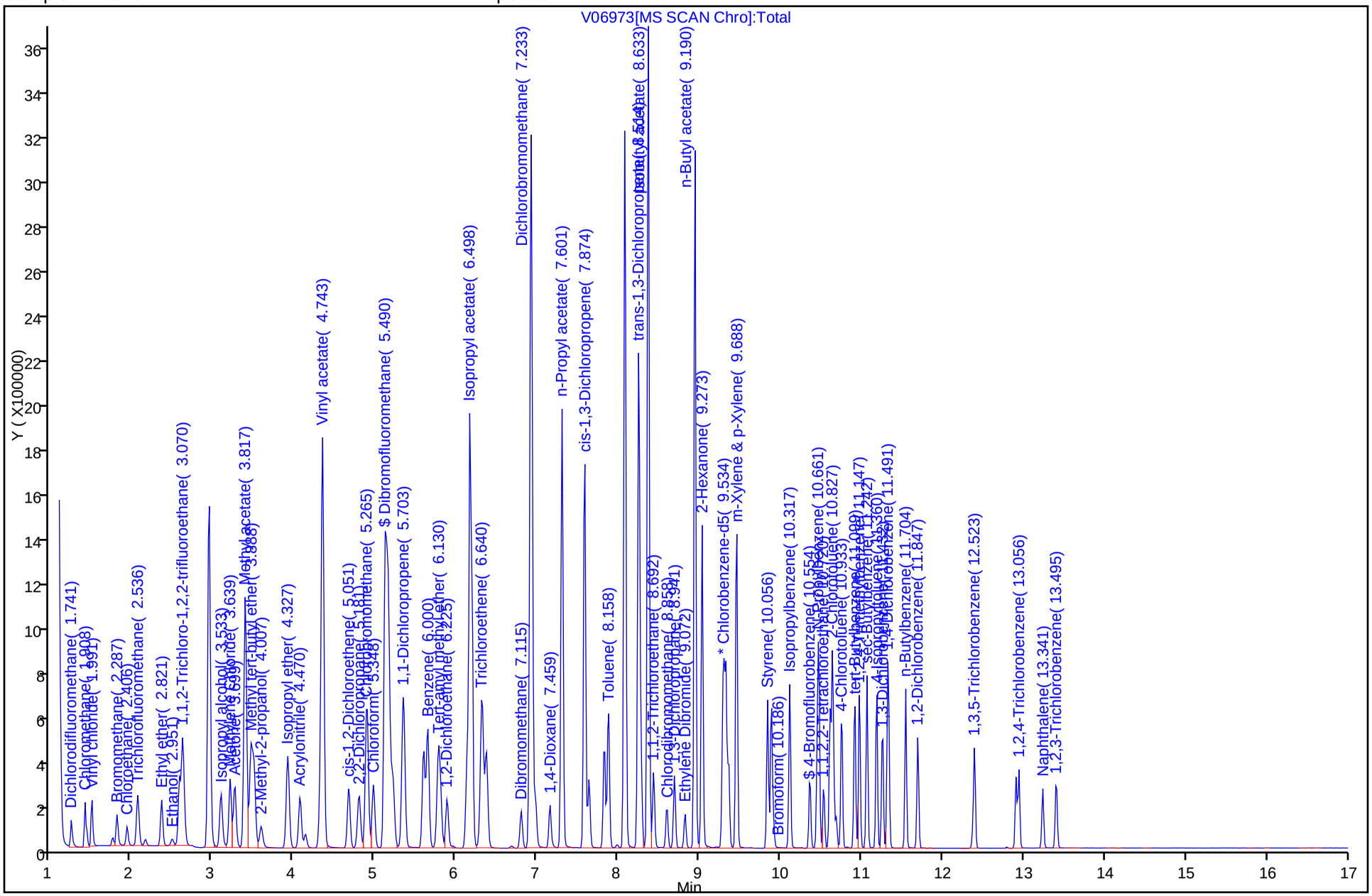
Inj Date: 17-Sep-2009 17:07:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49119 Lims Sample ID: 4

Client ID: Instrument: Agilent#2 GC/MS

Sample Info: lcsd

Sample Amount: 1.00 Operator: CT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49178/2-A

Matrix: Solid | Lab File ID: V45139.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	92.9		2.5	1.0
630-20-6	1,1,1,2-Tetrachloroethane	99.8		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	86.9		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	92.5		12	1.0
79-00-5	1,1,2-Trichloroethane	92.9		2.5	1.0
75-34-3	1,1-Dichloroethane	99.2		2.5	1.0
75-35-4	1,1-Dichloroethene	98.5		2.5	1.0
563-58-6	1,1-Dichloropropene	95.1		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	109		2.5	1.0
96-18-4	1,2,3-Trichloropropane	108		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	107		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	97.2		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	92.2		25	1.8
106-93-4	Ethylene Dibromide	92.5		2.5	1.0
95-50-1	1,2-Dichlorobenzene	95.6		2.5	1.0
107-06-2	1,2-Dichloroethane	93.9		2.5	1.0
78-87-5	1,2-Dichloropropane	105		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	100		2.5	1.0
541-73-1	1,3-Dichlorobenzene	97.9		2.5	1.0
142-28-9	1,3-Dichloropropane	89.6		2.5	1.0
106-46-7	1,4-Dichlorobenzene	94.6		2.5	1.0
123-91-1	1,4-Dioxane	1110		250	33
594-20-7	2,2-Dichloropropane	104		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	107		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	99.4		5.0	1.0
95-49-8	2-Chlorotoluene	95.5		2.5	1.0
591-78-6	2-Hexanone	824		25	5.1
106-43-4	4-Chlorotoluene	96.3		2.5	1.0
67-64-1	Acetone	972		250	18
71-43-2	Benzene	95.7		2.5	1.0
108-86-1	Bromobenzene	91.1		2.5	1.0
74-97-5	Chlorobromomethane	93.2		2.5	1.0
75-27-4	Dichlorobromomethane	92.6		2.5	1.0
75-25-2	Bromoform	81.9		2.5	1.0
74-83-9	Bromomethane	102		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49178/2-A

Matrix: Solid | Lab File ID: V45139.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	99.9		2.5	1.0
75-15-0	Carbon disulfide	92.2		2.5	1.0
56-23-5	Carbon tetrachloride	94.2		2.5	1.0
108-90-7	Chlorobenzene	97.4		2.5	1.0
75-00-3	Chloroethane	94.0		5.0	1.0
67-66-3	Chloroform	98.6		2.5	1.0
74-87-3	Chloromethane	89.9		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	94.3		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	90.1		2.5	1.0
110-82-7	Cyclohexane	94.1		25	2.6
124-48-1	Chlorodibromomethane	86.6		2.5	1.0
74-95-3	Dibromomethane	93.2		2.5	1.0
75-71-8	Dichlorodifluoromethane	60.3		5.0	1.0
60-29-7	Ethyl ether	104		2.5	1.0
108-20-3	Isopropyl ether	93.1		2.5	1.0
637-92-3	Tert-butyl ethyl ether	94.8		2.5	2.5
100-41-4	Ethylbenzene	102		2.5	1.0
87-68-3	Hexachlorobutadiene	101		2.5	1.0
98-82-8	Isopropylbenzene	100		2.5	1.0
79-20-9	Methyl acetate	1390		50	16
78-93-3	2-Butanone (MEK)	887		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	879		25	5.2
1634-04-4	Methyl tert-butyl ether	92.3		2.5	1.0
108-87-2	Methylcyclohexane	98.3		2.5	1.0
75-09-2	Methylene Chloride	103		10	4.8
136777-61-2	m-Xylene & p-Xylene	191		5.0	1.0
91-20-3	Naphthalene	96.9		25	1.0
103-65-1	N-Propylbenzene	97.5		2.5	1.0
95-47-6	o-Xylene	96.6		2.5	1.0
99-87-6	4-Isopropyltoluene	105		2.5	1.0
135-98-8	sec-Butylbenzene	101		2.5	1.0
100-42-5	Styrene	95.7		2.5	1.0
994-05-8	Tert-amyl methyl ether	97.0		2.5	1.0
98-06-6	tert-Butylbenzene	102		2.5	1.0
127-18-4	Tetrachloroethene	99.8		2.5	1.0
109-99-9	Tetrahydrofuran	1060		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49178/2-A

Matrix: Solid | Lab File ID: V45139.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2009 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	97.8		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	89.9		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	89.6		2.5	1.0
79-01-6	Trichloroethene	99.6		2.5	1.0
75-69-4	Trichlorofluoromethane	93.1		5.0	1.0
75-01-4	Vinyl chloride	92.1		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	96	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45139.D
Lims ID: LCSD 360-49178/2-A
Client ID:
Inject. Date: 18-Sep-2009 16:47:30
Dil. Factor: 1.0000
Sample Type: LCSD, LCS Duplicate
Sample ID: LCSD 360-49178/2-A
Misc. Info.: 360-0001222-004
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 4
Lims Batch ID: 49180
Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m
Last Update: 21-Sep-2009 08:28:25
Calib Date: 08-Sep-2009 18:49:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc
Date: 21-Sep-2009 08:39:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.645	1.650	-0.005	140391	12.1	M
2 Chloromethane	50	1.831	1.831	0.000	366752	18.0	
3 Vinyl chloride	62	1.930	1.934	-0.004	263220	18.4	
4 Bromomethane	94	2.286	2.296	-0.010	146143	20.3	
5 Chloroethane	64	2.421	2.435	-0.014	147430	18.8	
6 Trichlorofluoromethane	101	2.555	2.559	-0.004	232787	18.6	
7 Ethyl ether	59	2.881	2.880	0.001	122067	20.8	
8 1,1-Dichloroethene	96	3.072	3.076	-0.004	145922	19.7	
9 Ethanol	45	3.092	3.086	0.006	54087	1381.8	
10 Carbon disulfide	76	3.087	3.092	-0.005	619555	18.4	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.144	3.154	-0.010	82935	18.5	
12 Acrolein	56	3.413	3.417	-0.004	815865	979.7	
13 Isopropyl alcohol	45	3.573	3.577	-0.004	288903	1153.8	
14 Methylene Chloride	84	3.640	3.645	-0.005	173208	20.6	
15 Acetone	43	3.697	3.701	-0.004	245555	194.3	
16 trans-1,2-Dichloroethene	61	3.790	3.794	-0.004	305811	18.0	
17 Methyl acetate	43	3.816	3.820	-0.004	973466	277.3	M
18 Hexane	57	3.868	3.872	-0.004	400746	19.5	
19 Methyl tert-butyl ether	73	3.893	3.898	-0.005	311454	18.5	
20 2-Methyl-2-propanol	59	3.997	3.996	0.001	76545	187.9	
21 Isopropyl ether	45	4.240	4.244	-0.004	893835	18.6	
22 1,1-Dichloroethane	63	4.353	4.358	-0.005	355539	19.8	
23 Acrylonitrile	53	4.410	4.420	-0.010	32774	20.9	
24 Tert-butyl ethyl ether	59	4.565	4.570	-0.005	546116	19.0	
25 Vinyl acetate	43	4.581	4.585	-0.004	1854686	133.8	
26 cis-1,2-Dichloroethene	61	4.824	4.828	-0.004	279833	18.9	
27 2,2-Dichloropropane	77	4.922	4.926	-0.004	234381	20.8	
28 Cyclohexane	56	4.994	4.999	-0.005	401325	18.8	
29 Chlorobromomethane	130	4.994	5.004	-0.010	62349	18.6	
30 Chloroform	83	5.061	5.066	-0.005	277890	19.7	
31 Ethyl acetate	43	5.170	5.174	-0.004	982958	207.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.175	5.179	-0.004	166185	18.8	
33 Tetrahydrofuran	42	5.196	5.195	0.001	356681	211.6	
34 sec-Butyl Alcohol	45	5.206	5.210	-0.004	487126	1061.1	
$ 35 Dibromofluoromethane	113	5.216	5.221	-0.005	111138	19.8	
36 1,1,1-Trichloroethane	97	5.237	5.241	-0.004	233943	18.6	
37 2-Butanone (MEK)	43	5.335	5.340	-0.005	387523	177.4	
38 1,1-Dichloropropene	75	5.340	5.345	-0.005	229100	19.0	
39 n-Heptane	43	5.516	5.520	-0.004	413078	19.2	
40 Benzene	78	5.557	5.562	-0.005	623778	19.1	
41 Tert-amyl methyl ether	73	5.645	5.650	-0.005	356523	19.4	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.671	5.676	-0.005	21253	20.0	
43 1,2-Dichloroethane	62	5.728	5.727	0.001	147443	18.8	
* 44 Fluorobenzene	96	5.899	5.903	-0.004	482488	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.919	5.924	-0.005	175340	21.4	
46 Isopropyl acetate	43	5.924	5.929	-0.005	2055286	205.3	
47 Methylcyclohexane	83	6.023	6.027	-0.004	297416	19.7	
48 Trichloroethene	95	6.028	6.032	-0.004	145782	19.9	
49 2,4,4-Trimethyl-2-pentene	112	6.059	6.063	-0.004	89759	19.9	
50 Dibromomethane	93	6.374	6.378	-0.004	53687	18.6	
51 1,2-Dichloropropane	63	6.457	6.461	-0.004	142776	21.0	
52 Dichlorobromomethane	83	6.498	6.502	-0.004	154230	18.5	
53 Methyl methacrylate	69	6.622	6.626	-0.004	38705	18.2	
54 1,4-Dioxane	88	6.669	6.678	-0.009	5053	221.9	
55 n-Propyl acetate	43	6.731	6.735	-0.004	1161888	193.8	
56 2-Chloroethyl vinyl ether	63	6.948	6.952	-0.004	302373	327.0	
57 cis-1,3-Dichloropropene	75	6.999	7.004	-0.005	172873	18.0	
$ 58 Toluene-d8 (Surr)	98	7.144	7.148	-0.004	427161	19.9	
59 Toluene	92	7.180	7.185	-0.005	323935	19.6	
60 Tetrachloroethene	164	7.475	7.479	-0.004	89658	20.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.475	7.479	-0.004	866622	175.8	
62 trans-1,3-Dichloropropene	75	7.501	7.505	-0.004	125677	17.9	
63 Isobutyl acetate	43	7.557	7.562	-0.005	2768969	195.9	
64 1,1,2-Trichloroethane	83	7.625	7.629	-0.004	55927	18.6	
65 Chlorodibromomethane	129	7.759	7.763	-0.004	62847	17.3	
66 1,3-Dichloropropane	76	7.837	7.841	-0.004	122339	17.9	
67 Ethylene Dibromide	107	7.950	7.955	-0.005	56302	18.5	
68 n-Butyl acetate	43	8.033	8.032	0.001	1399496	175.8	
69 2-Hexanone	43	8.116	8.115	0.001	505994	164.8	
* 70 Chlorobenzene-d5	117	8.338	8.337	0.001	289352	20.0	
71 Chlorobenzene	112	8.348	8.352	-0.004	306749	19.5	
72 Ethylbenzene	91	8.364	8.368	-0.004	628272	20.4	
73 1,1,1,2-Tetrachloroethane	131	8.395	8.399	-0.004	95615	20.0	
74 m-Xylene & p-Xylene	91	8.472	8.477	-0.005	966472	38.2	
75 o-Xylene	91	8.808	8.807	0.001	530278	19.3	
76 Styrene	104	8.844	8.849	-0.005	357108	19.1	
77 Bromoform	173	8.870	8.874	-0.004	36938	16.4	
78 Isopropylbenzene	105	9.046	9.045	0.001	654221	20.1	
$ 80 4-Bromofluorobenzene	95	9.268	9.272	-0.004	159655	19.3	
81 Bromobenzene	77	9.356	9.355	0.001	268528	18.2	
82 N-Propylbenzene	91	9.366	9.365	0.001	819114	19.5	
83 1,1,2,2-Tetrachloroethane	83	9.418	9.422	-0.004	82219	17.4	
84 2-Chlorotoluene	91	9.490	9.495	-0.005	529974	19.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.511	9.515	-0.004	536325	20.0	
86 1,2,3-Trichloropropane	110	9.532	9.536	-0.004	19384	21.6	
87 trans-1,4-Dichloro-2-butene	53	9.557	9.562	-0.005	27932	18.1	
88 4-Chlorotoluene	91	9.619	9.624	-0.005	470712	19.3	
89 tert-Butylbenzene	119	9.764	9.768	-0.004	432462	20.3	
90 1,2,4-Trimethylbenzene	105	9.821	9.820	0.001	528946	19.4	
91 sec-Butylbenzene	105	9.904	9.908	-0.004	732152	20.1	
92 4-Isopropyltoluene	119	10.012	10.017	-0.005	577695	21.0	
93 1,3-Dichlorobenzene	146	10.085	10.084	0.001	238424	19.6	
* 94 1,4-Dichlorobenzene-d4	152	10.141	10.146	-0.005	137327	20.0	
95 1,4-Dichlorobenzene	146	10.152	10.156	-0.004	231368	18.9	
96 n-Butylbenzene	91	10.358	10.358	0.000	633083	20.0	
97 1,2-Dichlorobenzene	146	10.513	10.513	0.000	195730	19.1	
98 1,2-Dibromo-3-Chloropropane	157	11.289	11.288	0.001	9748	18.4	
99 1,3,5-Trichlorobenzene	180	11.315	11.319	-0.005	192412	21.6	
100 Hexachlorobutadiene	225	12.043	12.042	0.001	71608	20.2	
101 1,2,4-Trichlorobenzene	180	12.090	12.094	-0.004	143084	21.4	
102 Naphthalene	128	12.555	12.559	-0.004	171330	19.4	
103 1,2,3-Trichlorobenzene	180	12.834	12.838	-0.004	108445	21.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 08:39:34 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45139.D

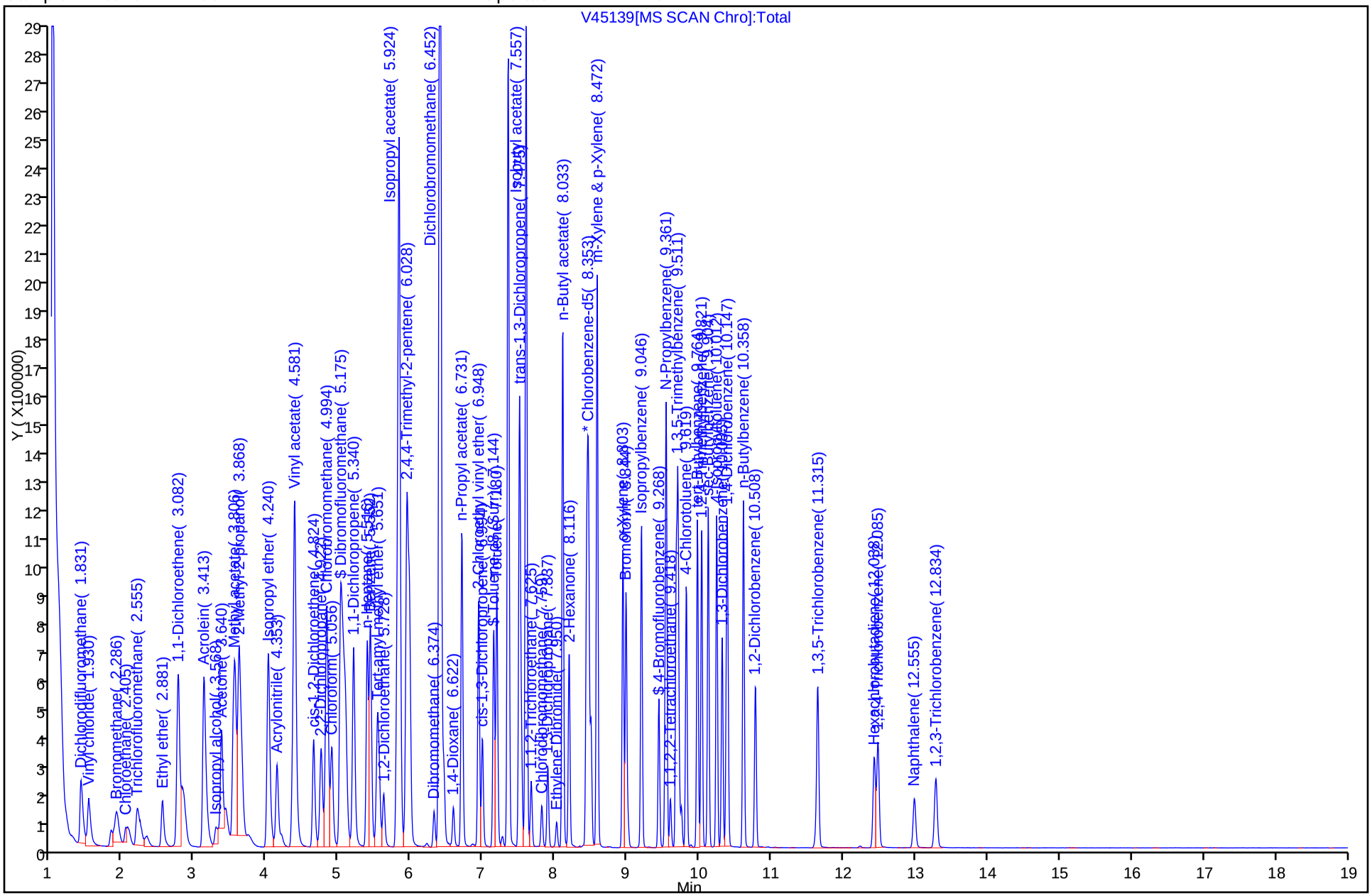
Inj Date: 18-Sep-2009 16:47:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-49178/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: V45140.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.21(g) | Date Analyzed: 09/18/2009 17:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	99.8		2.6	1.1
71-55-6	1,1,1-Trichloroethane	96.4		2.6	1.1
79-34-5	1,1,2,2-Tetrachloroethane	92.4		2.6	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	94.8		13	1.1
79-00-5	1,1,2-Trichloroethane	98.7		2.6	1.1
75-34-3	1,1-Dichloroethane	103		2.6	1.1
75-35-4	1,1-Dichloroethene	102		2.6	1.1
563-58-6	1,1-Dichloropropene	96.5		2.6	1.1
87-61-6	1,2,3-Trichlorobenzene	66.6		2.6	1.1
96-18-4	1,2,3-Trichloropropane	106		2.6	1.6
120-82-1	1,2,4-Trichlorobenzene	66.2		2.6	1.1
95-63-6	1,2,4-Trimethylbenzene	83.5		2.6	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	90.7		26	1.9
106-93-4	Ethylene Dibromide	97.4		2.6	1.1
95-50-1	1,2-Dichlorobenzene	83.1		2.6	1.1
107-06-2	1,2-Dichloroethane	99.6		2.6	1.1
67-64-1	Acetone	1050		260	19
78-87-5	1,2-Dichloropropane	109		2.6	1.1
108-67-8	1,3,5-Trimethylbenzene	87.2		2.6	1.1
541-73-1	1,3-Dichlorobenzene	75.8		2.6	1.1
142-28-9	1,3-Dichloropropane	95.6		2.6	1.1
106-46-7	1,4-Dichlorobenzene	81.1		2.6	1.1
123-91-1	1,4-Dioxane	1200		260	35
594-20-7	2,2-Dichloropropane	109		2.6	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	92.3		5.3	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	90.9		5.3	1.1
95-49-8	2-Chlorotoluene	83.1		2.6	1.1
591-78-6	2-Hexanone	884		26	5.4
106-43-4	4-Chlorotoluene	81.2		2.6	1.1
71-43-2	Benzene	99.3		2.6	1.1
108-86-1	Bromobenzene	81.8		2.6	1.1
74-97-5	Chlorobromomethane	95.9		2.6	1.1
75-27-4	Dichlorobromomethane	97.1		2.6	1.1
75-25-2	Bromoform	89.3		2.6	1.1
74-83-9	Bromomethane	106		5.3	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: V45140.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.21(g) | Date Analyzed: 09/18/2009 17:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	75.3		2.6	1.1
75-15-0	Carbon disulfide	90.2		2.6	1.1
56-23-5	Carbon tetrachloride	96.2		2.6	1.1
108-90-7	Chlorobenzene	94.9		2.6	1.1
75-00-3	Chloroethane	99.0		5.3	1.1
67-66-3	Chloroform	102		2.6	1.1
74-87-3	Chloromethane	93.9		5.3	1.1
156-59-2	cis-1,2-Dichloroethene	96.3		2.6	1.1
10061-01-5	cis-1,3-Dichloropropene	95.0		2.6	1.1
110-82-7	Cyclohexane	91.2		26	2.7
124-48-1	Chlorodibromomethane	89.5		2.6	1.1
74-95-3	Dibromomethane	96.6		2.6	1.1
75-71-8	Dichlorodifluoromethane	64.8		5.3	1.1
60-29-7	Ethyl ether	108		2.6	1.1
108-20-3	Isopropyl ether	96.7		2.6	1.1
637-92-3	Tert-butyl ethyl ether	99.1		2.6	2.6
100-41-4	Ethylbenzene	98.5		2.6	1.1
87-68-3	Hexachlorobutadiene	55.1		2.6	1.1
98-82-8	Isopropylbenzene	91.8		2.6	1.1
79-20-9	Methyl acetate	1510		53	17
78-93-3	2-Butanone (MEK)	969		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	909		26	5.4
1634-04-4	Methyl tert-butyl ether	95.4		2.6	1.1
108-87-2	Methylcyclohexane	87.9		2.6	1.1
75-09-2	Methylene Chloride	103		11	5.1
136777-61-2	m-Xylene & p-Xylene	184		5.3	1.1
91-20-3	Naphthalene	71.5		26	1.1
103-65-1	N-Propylbenzene	84.5		2.6	1.1
95-47-6	o-Xylene	91.5		2.6	1.1
99-87-6	4-Isopropyltoluene	83.1		2.6	1.1
135-98-8	sec-Butylbenzene	82.3		2.6	1.1
100-42-5	Styrene	87.9		2.6	1.1
994-05-8	Tert-amyl methyl ether	99.6		2.6	1.1
98-06-6	tert-Butylbenzene	90.4		2.6	1.1
127-18-4	Tetrachloroethene	97.4		2.6	1.1
109-99-9	Tetrahydrofuran	1120		26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: V45140.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.21(g) | Date Analyzed: 09/18/2009 17:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	101		2.6	1.1
156-60-5	trans-1,2-Dichloroethene	90.5		2.6	1.1
10061-02-6	trans-1,3-Dichloropropene	94.5		2.6	1.1
79-01-6	Trichloroethene	101		2.6	1.1
75-69-4	Trichlorofluoromethane	99.0		5.3	1.1
75-01-4	Vinyl chloride	94.4		2.6	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	92	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45140.D		
Lims ID:	360-24582-C-22-B MS	Client ID:	OC-SS-416-0.0/1.0-XMS
Inject. Date:	18-Sep-2009 17:11:30	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	360-24582-C-22-B MS		
Misc. Info.:	360-0001222-022		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49180	Lims Sample ID:	22
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:41:57	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 21-Sep-2009 08:41:57

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.650	-0.006	151237	12.3	M
2 Chloromethane	50	1.831	1.831	0.000	384047	17.8	
3 Vinyl chloride	62	1.929	1.934	-0.005	270848	17.9	
4 Bromomethane	94	2.285	2.296	-0.011	152832	20.1	
5 Chloroethane	64	2.430	2.435	-0.005	155700	18.8	
6 Trichlorofluoromethane	101	2.559	2.559	0.000	248211	18.8	
7 Ethyl ether	59	2.880	2.880	0.000	127229	20.6	
8 1,1-Dichloroethene	96	3.076	3.076	0.000	151839	19.4	
10 Carbon disulfide	76	3.091	3.092	-0.001	608026	17.1	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.154	3.154	0.000	85160	18.0	
14 Methylene Chloride	84	3.644	3.645	-0.001	174130	19.6	
15 Acetone	43	3.696	3.701	-0.005	264763	198.7	
16 trans-1,2-Dichloroethene	61	3.789	3.794	-0.005	308524	17.2	
17 Methyl acetate	43	3.815	3.820	-0.005	1061561	286.6	M
19 Methyl tert-butyl ether	73	3.898	3.898	0.000	322755	18.1	
21 Isopropyl ether	45	4.244	4.244	0.000	931193	18.4	
22 1,1-Dichloroethane	63	4.352	4.358	-0.006	369622	19.6	
24 Tert-butyl ethyl ether	59	4.564	4.570	-0.006	571967	18.8	
26 cis-1,2-Dichloroethene	61	4.823	4.828	-0.005	286540	18.3	
27 2,2-Dichloropropane	77	4.921	4.926	-0.005	245825	20.7	
28 Cyclohexane	56	4.993	4.999	-0.006	390234	17.3	
29 Chlorobromomethane	130	4.998	5.004	-0.006	64344	18.2	
30 Chloroform	83	5.060	5.066	-0.006	288265	19.4	
32 Carbon tetrachloride	117	5.174	5.179	-0.005	170163	18.3	
33 Tetrahydrofuran	42	5.195	5.195	0.000	378420	212.9	
$ 35 Dibromofluoromethane	113	5.215	5.221	-0.006	117933	19.9	
36 1,1,1-Trichloroethane	97	5.241	5.241	0.000	243340	18.3	
37 2-Butanone (MEK)	43	5.334	5.340	-0.006	424099	184.1	
38 1,1-Dichloropropene	75	5.345	5.345	0.000	233014	18.3	
40 Benzene	78	5.557	5.562	-0.005	649279	18.9	
41 Tert-amyl methyl ether	73	5.644	5.650	-0.006	367320	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.675	5.676	-0.001	22634	20.0	
43 1,2-Dichloroethane	62	5.727	5.727	0.000	156702	18.9	
* 44 Fluorobenzene	96	5.898	5.903	-0.005	508987	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.918	5.924	-0.006	154169	17.6	
47 Methylcyclohexane	83	6.022	6.027	-0.005	266675	16.7	
48 Trichloroethene	95	6.027	6.032	-0.005	148381	19.2	
49 2,4,4-Trimethyl-2-pentene	112	6.058	6.063	-0.005	82325	17.3	
50 Dibromomethane	93	6.373	6.378	-0.005	55781	18.4	
51 1,2-Dichloropropane	63	6.456	6.461	-0.005	148428	20.7	
52 Dichlorobromomethane	83	6.497	6.502	-0.005	162228	18.5	
54 1,4-Dioxane	88	6.668	6.678	-0.010	5506	227.2	
57 cis-1,3-Dichloropropene	75	6.998	7.004	-0.006	182608	18.1	
$ 58 Toluene-d8 (Surr)	98	7.143	7.148	-0.005	461902	20.4	
59 Toluene	92	7.179	7.185	-0.006	334244	19.1	
60 Tetrachloroethene	164	7.474	7.479	-0.005	87755	18.5	
61 4-Methyl-2-pentanone (MIBK)	43	7.474	7.479	-0.005	898230	172.7	
62 trans-1,3-Dichloropropene	75	7.500	7.505	-0.005	132877	18.0	
64 1,1,2-Trichloroethane	83	7.624	7.629	-0.005	59601	18.8	
65 Chlorodibromomethane	129	7.763	7.763	0.000	65108	17.0	
66 1,3-Dichloropropane	76	7.836	7.841	-0.005	130790	18.2	
67 Ethylene Dibromide	107	7.949	7.955	-0.006	59424	18.5	
69 2-Hexanone	43	8.109	8.115	-0.006	544157	168.0	
* 70 Chlorobenzene-d5	117	8.337	8.337	0.000	308363	20.0	
71 Chlorobenzene	112	8.347	8.352	-0.005	302715	18.0	
72 Ethylbenzene	91	8.363	8.368	-0.005	615400	18.7	
73 1,1,1,2-Tetrachloroethane	131	8.394	8.399	-0.005	96986	19.0	
74 m-Xylene & p-Xylene	91	8.471	8.477	-0.006	941810	34.9	
75 o-Xylene	91	8.807	8.807	0.000	508795	17.4	
76 Styrene	104	8.843	8.849	-0.006	332151	16.7	
77 Bromoform	173	8.869	8.874	-0.005	37321	17.0	
78 Isopropylbenzene	105	9.045	9.045	0.000	605526	17.5	
$ 80 4-Bromofluorobenzene	95	9.267	9.272	-0.005	163114	18.5	
81 Bromobenzene	77	9.355	9.355	0.000	244387	15.6	
82 N-Propylbenzene	91	9.365	9.365	0.000	718464	16.1	
83 1,1,2,2-Tetrachloroethane	83	9.417	9.422	-0.005	80932	17.6	
84 2-Chlorotoluene	91	9.489	9.495	-0.006	467223	15.8	
85 1,3,5-Trimethylbenzene	105	9.510	9.515	-0.005	472876	16.6	
86 1,2,3-Trichloropropane	110	9.531	9.536	-0.005	19224	20.1	
88 4-Chlorotoluene	91	9.619	9.624	-0.005	401951	15.4	
89 tert-Butylbenzene	119	9.763	9.768	-0.005	389947	17.2	
90 1,2,4-Trimethylbenzene	105	9.820	9.820	0.000	460646	15.9	
91 sec-Butylbenzene	105	9.903	9.908	-0.005	606909	15.6	
92 4-Isopropyltoluene	119	10.011	10.017	-0.006	462460	15.8	
93 1,3-Dichlorobenzene	146	10.084	10.084	0.000	187179	14.4	
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.146	-0.006	133697	20.0	
95 1,4-Dichlorobenzene	146	10.151	10.156	-0.005	183554	15.4	
96 n-Butylbenzene	91	10.358	10.358	0.000	441497	14.3	
97 1,2-Dichlorobenzene	146	10.513	10.513	0.000	157535	15.8	
98 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.000	8870	17.2	
100 Hexachlorobutadiene	225	12.042	12.042	0.000	36195	10.5	
101 1,2,4-Trichlorobenzene	180	12.089	12.094	-0.005	82080	12.6	
102 Naphthalene	128	12.554	12.559	-0.005	117050	13.6	

Report Date: 21-Sep-2009 08:41:57 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45140.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180	12.833	12.838	-0.005	61089	12.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 08:41:57 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45140.D

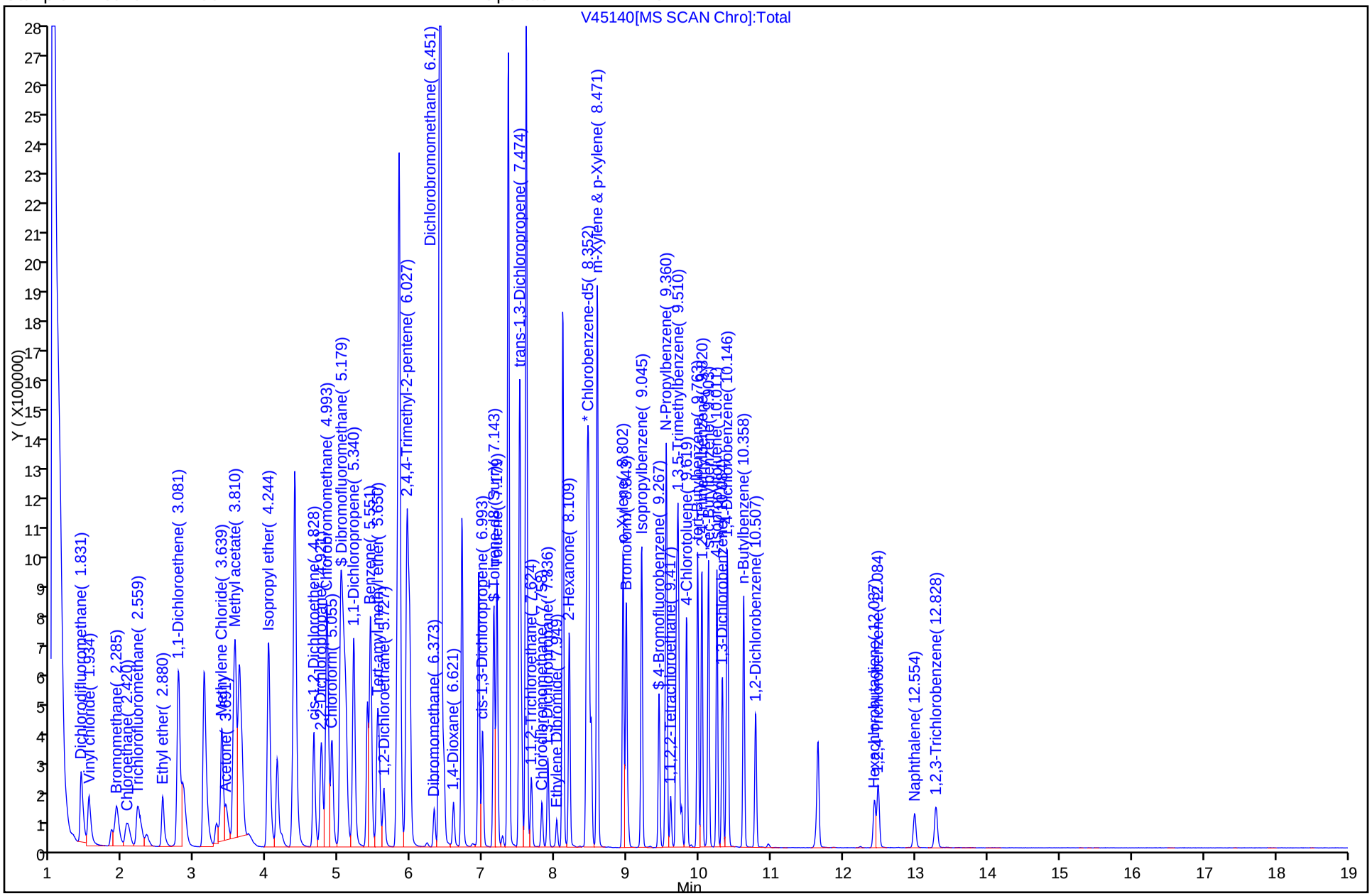
Inj Date: 18-Sep-2009 17:11:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 22

Client ID: OC-SS-416-0.0/1.0-XMS Instrument: HP #1 GC/MS

Sample Info: 360-24582-C-22-B MS

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: V45141.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.01(g) | Date Analyzed: 09/18/2009 17:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	104		2.7	1.1
71-55-6	1,1,1-Trichloroethane	99.5		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	95.7		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	98.3		14	1.1
79-00-5	1,1,2-Trichloroethane	97.0		2.7	1.1
75-34-3	1,1-Dichloroethane	108		2.7	1.1
75-35-4	1,1-Dichloroethene	107		2.7	1.1
563-58-6	1,1-Dichloropropene	98.1		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	60.2		2.7	1.1
96-18-4	1,2,3-Trichloropropane	110		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	59.3		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	86.5		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	90.8		27	2.0
106-93-4	Ethylene Dibromide	95.9		2.7	1.1
95-50-1	1,2-Dichlorobenzene	81.0		2.7	1.1
107-06-2	1,2-Dichloroethane	102		2.7	1.1
67-64-1	Acetone	953		270	20
78-87-5	1,2-Dichloropropane	111		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	90.7		2.7	1.1
541-73-1	1,3-Dichlorobenzene	76.3		2.7	1.1
142-28-9	1,3-Dichloropropane	93.7		2.7	1.1
106-46-7	1,4-Dichlorobenzene	79.0		2.7	1.1
123-91-1	1,4-Dioxane	1200		270	36
594-20-7	2,2-Dichloropropane	118		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	94.5		5.5	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	91.3		5.5	1.1
95-49-8	2-Chlorotoluene	85.2		2.7	1.1
591-78-6	2-Hexanone	870		27	5.6
106-43-4	4-Chlorotoluene	82.3		2.7	1.1
71-43-2	Benzene	102		2.7	1.1
108-86-1	Bromobenzene	84.1		2.7	1.1
74-97-5	Chlorobromomethane	100		2.7	1.1
75-27-4	Dichlorobromomethane	96.1		2.7	1.1
75-25-2	Bromoform	89.3		2.7	1.1
74-83-9	Bromomethane	114		5.5	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: V45141.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.01(g) | Date Analyzed: 09/18/2009 17:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	71.3		2.7	1.1
75-15-0	Carbon disulfide	93.5		2.7	1.1
56-23-5	Carbon tetrachloride	99.1		2.7	1.1
108-90-7	Chlorobenzene	95.4		2.7	1.1
75-00-3	Chloroethane	105		5.5	1.1
67-66-3	Chloroform	104		2.7	1.1
74-87-3	Chloromethane	99.8		5.5	1.1
156-59-2	cis-1,2-Dichloroethene	100		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	93.8		2.7	1.1
110-82-7	Cyclohexane	95.3		27	2.8
124-48-1	Chlorodibromomethane	87.7		2.7	1.1
74-95-3	Dibromomethane	98.3		2.7	1.1
75-71-8	Dichlorodifluoromethane	68.0		5.5	1.1
60-29-7	Ethyl ether	110		2.7	1.1
108-20-3	Isopropyl ether	102		2.7	1.1
637-92-3	Tert-butyl ethyl ether	105		2.7	2.7
100-41-4	Ethylbenzene	101		2.7	1.1
87-68-3	Hexachlorobutadiene	47.7		2.7	1.1
98-82-8	Isopropylbenzene	95.6		2.7	1.1
79-20-9	Methyl acetate	1750		55	18
78-93-3	2-Butanone (MEK)	1060		27	7.4
108-10-1	4-Methyl-2-pentanone (MIBK)	955		27	5.6
1634-04-4	Methyl tert-butyl ether	101		2.7	1.1
108-87-2	Methylcyclohexane	88.7		2.7	1.1
75-09-2	Methylene Chloride	110		11	5.3
136777-61-2	m-Xylene & p-Xylene	187		5.5	1.1
91-20-3	Naphthalene	70.1		27	1.1
103-65-1	N-Propylbenzene	86.6		2.7	1.1
95-47-6	o-Xylene	96.0		2.7	1.1
99-87-6	4-Isopropyltoluene	85.0		2.7	1.1
135-98-8	sec-Butylbenzene	84.4		2.7	1.1
100-42-5	Styrene	89.3		2.7	1.1
994-05-8	Tert-amyl methyl ether	107		2.7	1.1
98-06-6	tert-Butylbenzene	95.2		2.7	1.1
127-18-4	Tetrachloroethene	95.1		2.7	1.1
109-99-9	Tetrahydrofuran	1170		27	6.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: V45141.D

Analysis Method: 8260B | Date Collected: 09/15/2009 12:40

Sample wt/vol: 5.01(g) | Date Analyzed: 09/18/2009 17:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 49180 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	100		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	93.8		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	90.8		2.7	1.1
79-01-6	Trichloroethene	103		2.7	1.1
75-69-4	Trichlorofluoromethane	105		5.5	1.1
75-01-4	Vinyl chloride	100		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	94	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45141.D		
Lims ID:	360-24582-D-22-A MSD	Client ID:	OC-SS-416-0.0/1.0-MSD
Inject. Date:	18-Sep-2009 17:35:30	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	360-24582-D-22-A MSD		
Misc. Info.:	360-0001222-023		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49180	Lims Sample ID:	23
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\WES1SOIL.m		
Last Update:	21-Sep-2009 08:46:03	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 21-Sep-2009 08:46:03

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.645	1.650	-0.005	146356	12.4	M
2 Chloromethane	50	1.826	1.831	-0.005	375952	18.2	
3 Vinyl chloride	62	1.929	1.934	-0.005	264503	18.3	
4 Bromomethane	94	2.281	2.296	-0.015	152094	20.9	
5 Chloroethane	64	2.420	2.435	-0.015	152455	19.2	
6 Trichlorofluoromethane	101	2.555	2.559	-0.004	241805	19.1	
7 Ethyl ether	59	2.875	2.880	-0.005	118937	20.0	
8 1,1-Dichloroethene	96	3.071	3.076	-0.005	147154	19.6	
10 Carbon disulfide	76	3.087	3.092	-0.005	580833	17.1	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.139	3.154	-0.015	81428	18.0	
14 Methylene Chloride	84	3.640	3.645	-0.005	170858	20.0	
15 Acetone	43	3.692	3.701	-0.009	223177	174.1	
16 trans-1,2-Dichloroethene	61	3.785	3.794	-0.009	295012	17.1	
17 Methyl acetate	43	3.810	3.820	-0.010	1137574	320.3	M
19 Methyl tert-butyl ether	73	3.893	3.898	-0.005	315072	18.5	
21 Isopropyl ether	45	4.239	4.244	-0.005	909154	18.7	
22 1,1-Dichloroethane	63	4.348	4.358	-0.010	356987	19.7	
24 Tert-butyl ethyl ether	59	4.560	4.570	-0.010	560985	19.3	
26 cis-1,2-Dichloroethene	61	4.823	4.828	-0.005	275244	18.3	
27 2,2-Dichloropropane	77	4.916	4.926	-0.010	244304	21.5	
28 Cyclohexane	56	4.989	4.999	-0.010	376025	17.4	
29 Chlorobromomethane	130	4.994	5.004	-0.010	62023	18.3	
30 Chloroform	83	5.056	5.066	-0.010	270807	19.0	
32 Carbon tetrachloride	117	5.170	5.179	-0.009	161719	18.1	
33 Tetrahydrofuran	42	5.190	5.195	-0.005	363252	213.1	
$ 35 Dibromofluoromethane	113	5.211	5.221	-0.010	113007	19.9	
36 1,1,1-Trichloroethane	97	5.232	5.241	-0.009	231784	18.2	
37 2-Butanone (MEK)	43	5.330	5.340	-0.010	427911	193.8	
38 1,1-Dichloropropene	75	5.340	5.345	-0.005	218546	17.9	
40 Benzene	78	5.552	5.562	-0.010	615203	18.7	
41 Tert-amyl methyl ether	73	5.645	5.650	-0.005	363252	19.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.666	5.676	-0.010	21294	20.0	
43 1,2-Dichloroethane	62	5.723	5.727	-0.004	147684	18.6	
* 44 Fluorobenzene	96	5.893	5.903	-0.010	488059	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.914	5.924	-0.010	145707	17.3	
47 Methylcyclohexane	83	6.017	6.027	-0.010	248120	16.2	
48 Trichloroethene	95	6.027	6.032	-0.005	138956	18.8	
49 2,4,4-Trimethyl-2-pentene	112	6.053	6.063	-0.010	76260	16.7	
50 Dibromomethane	93	6.369	6.378	-0.010	52339	18.0	
51 1,2-Dichloropropane	63	6.451	6.461	-0.010	139658	20.3	
52 Dichlorobromomethane	83	6.498	6.502	-0.004	147953	17.6	
54 1,4-Dioxane	88	6.658	6.678	-0.020	4989	218.6	
57 cis-1,3-Dichloropropene	75	6.994	7.004	-0.010	166368	17.2	
$ 58 Toluene-d8 (Surr)	98	7.139	7.148	-0.009	430860	19.9	
59 Toluene	92	7.180	7.185	-0.005	306633	18.3	
60 Tetrachloroethene	164	7.474	7.479	-0.005	79031	17.4	
61 4-Methyl-2-pentanone (MIBK)	43	7.469	7.479	-0.010	870754	174.6	
62 trans-1,3-Dichloropropene	75	7.495	7.505	-0.010	117783	16.6	
64 1,1,2-Trichloroethane	83	7.624	7.629	-0.005	53961	17.7	
65 Chlorodibromomethane	129	7.759	7.763	-0.004	58848	16.0	
66 1,3-Dichloropropane	76	7.836	7.841	-0.005	118179	17.1	
67 Ethylene Dibromide	107	7.950	7.955	-0.005	53979	17.5	
69 2-Hexanone	43	8.110	8.115	-0.005	493791	159.0	
* 70 Chlorobenzene-d5	117	8.332	8.337	-0.005	288576	20.0	
71 Chlorobenzene	112	8.348	8.352	-0.004	273951	17.4	
72 Ethylbenzene	91	8.358	8.368	-0.010	567740	18.4	
73 1,1,1,2-Tetrachloroethane	131	8.394	8.399	-0.005	90791	19.0	
74 m-Xylene & p-Xylene	91	8.472	8.477	-0.005	863020	34.2	
75 o-Xylene	91	8.803	8.807	-0.004	480220	17.5	
76 Styrene	104	8.844	8.849	-0.005	303940	16.3	
77 Bromoform	173	8.870	8.874	-0.004	34516	16.3	
78 Isopropylbenzene	105	9.040	9.045	-0.005	567426	17.5	
$ 80 4-Bromofluorobenzene	95	9.263	9.272	-0.009	155963	18.9	
81 Bromobenzene	77	9.350	9.355	-0.005	226004	15.4	
82 N-Propylbenzene	91	9.361	9.365	-0.004	663029	15.8	
83 1,1,2,2-Tetrachloroethane	83	9.418	9.422	-0.004	77725	17.5	
84 2-Chlorotoluene	91	9.490	9.495	-0.005	430964	15.6	
85 1,3,5-Trimethylbenzene	105	9.511	9.515	-0.004	442239	16.6	
86 1,2,3-Trichloropropane	110	9.531	9.536	-0.005	17971	20.0	
88 4-Chlorotoluene	91	9.619	9.624	-0.005	366964	15.1	
89 tert-Butylbenzene	119	9.764	9.768	-0.004	369539	17.4	
90 1,2,4-Trimethylbenzene	105	9.815	9.820	-0.005	429406	15.8	
91 sec-Butylbenzene	105	9.903	9.908	-0.005	560497	15.4	
92 4-Isopropyltoluene	119	10.012	10.017	-0.005	425748	15.5	
93 1,3-Dichlorobenzene	146	10.079	10.084	-0.005	169367	13.9	
* 94 1,4-Dichlorobenzene-d4	152	10.141	10.146	-0.005	128905	20.0	
95 1,4-Dichlorobenzene	146	10.151	10.156	-0.005	165757	14.4	
96 n-Butylbenzene	91	10.353	10.358	-0.005	387485	13.0	
97 1,2-Dichlorobenzene	146	10.508	10.513	-0.005	142321	14.8	
98 1,2-Dibromo-3-Chloropropane	157	11.283	11.288	-0.005	8237	16.6	
100 Hexachlorobutadiene	225	12.043	12.042	0.001	29065	8.72	
101 1,2,4-Trichlorobenzene	180	12.084	12.094	-0.010	68156	10.8	
102 Naphthalene	128	12.554	12.559	-0.005	106316	12.8	

Report Date: 21-Sep-2009 08:46:03 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45141.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180	12.828	12.838	-0.010	51171	11.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 08:46:03 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090918-1.b\V45141.D

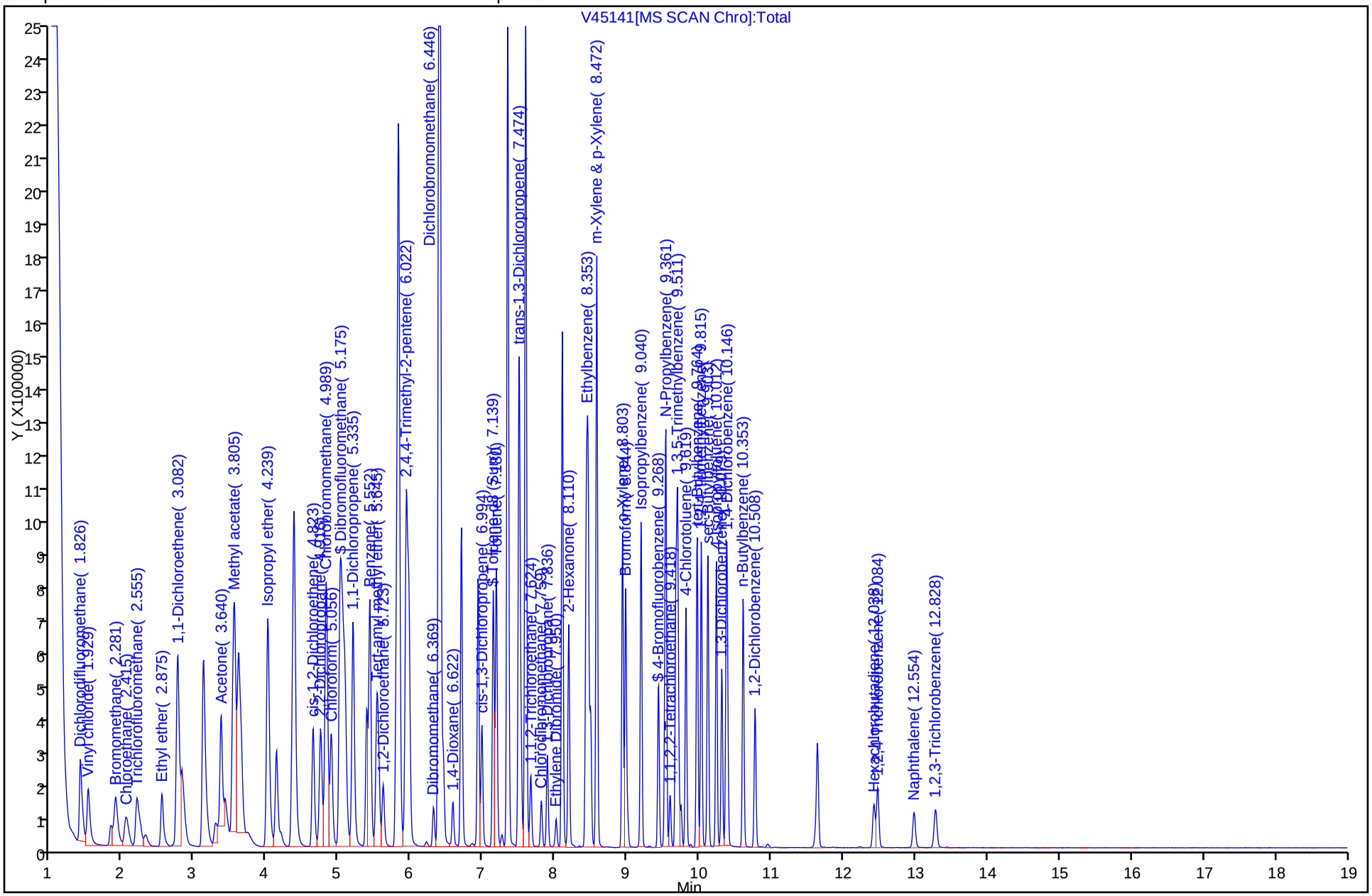
Inj Date: 18-Sep-2009 17:35:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 49180 Lims Sample ID: 23

Client ID: OC-SS-416-0.0/1.0-MSD Instrument: HP #1 GC/MS

Sample Info: 360-24582-D-22-A MSD

Sample Amount: 1.00 Operator: CR



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS Start Date: 09/03/2009 16:33

Analysis Batch Number: 48601 End Date: 09/03/2009 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-48601/1		09/03/2009 16:33	1	V06680.D	RTX-VMS 0.25(um)
STD20 360-48601/2 ICIS		09/03/2009 16:54	1		RTX-VMS 0.25(um)
ZZZZZ		09/03/2009 17:15	1		RTX-VMS 0.25(um)
STD03 360-48601/4 IC		09/03/2009 17:36	1	V06683.D	RTX-VMS 0.25(um)
STD05 360-48601/5 IC		09/03/2009 17:57	1	V06684.D	RTX-VMS 0.25(um)
STD1 360-48601/6 IC		09/03/2009 18:18	1	V06685.D	RTX-VMS 0.25(um)
STD5 360-48601/7 IC		09/03/2009 18:38	1	V06686.D	RTX-VMS 0.25(um)
STD10 360-48601/8 IC		09/03/2009 18:59	1	V06687.D	RTX-VMS 0.25(um)
STD40 360-48601/9 IC		09/03/2009 19:20	1	V06688.D	RTX-VMS 0.25(um)
STD80 360-48601/10 IC		09/03/2009 19:41	1	V06689.D	RTX-VMS 0.25(um)
STD160 360-48601/11 IC		09/03/2009 20:02	1	V06690.D	RTX-VMS 0.25(um)
ICV 360-48601/12		09/03/2009 20:23	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Agilent#2 GC/MS Start Date: 09/17/2009 16:05

Analysis Batch Number: 49119 End Date: 09/18/2009 00:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-49119/1		09/17/2009 16:05	1	V06970.D	RTX-VMS 0.25(um)
CCVIS 360-49119/2		09/17/2009 16:26	1	V06971.D	RTX-VMS 0.25(um)
LCS 360-49119/3		09/17/2009 16:47	1	V06972.D	RTX-VMS 0.25(um)
LCSD 360-49119/4		09/17/2009 17:07	1	V06973.D	RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 17:28	1		RTX-VMS 0.25(um)
MB 360-49119/6		09/17/2009 17:49	1	V06975.D	RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 18:10	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 18:32	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 18:53	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 19:14	5		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 19:35	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 19:56	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 20:18	1		RTX-VMS 0.25(um)
360-24582-4	OC-EBK-010	09/17/2009 20:38	1	V06983.D	RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 20:59	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 21:20	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 21:41	4		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:02	4		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:23	4		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:44	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 23:05	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 23:26	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 23:46	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 00:06	4		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 00:27	1		RTX-VMS 0.25(um)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS Start Date: 09/08/2009 14:57

Analysis Batch Number: 48701 End Date: 09/08/2009 19:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/08/2009 14:57	1		RTX-VMS 0.25(um)
BFB 360-48701/1		09/08/2009 15:37	1	V44787.D	RTX-VMS 0.25(um)
STD20 360-48701/2 ICIS		09/08/2009 16:02	1	V44788.D	RTX-VMS 0.25(um)
STD0005 360-48701/3 IC		09/08/2009 16:50	1	V44790.D	RTX-VMS 0.25(um)
STD001 360-48701/4 IC		09/08/2009 17:14	1	V44791.D	RTX-VMS 0.25(um)
STD005 360-48701/5 IC		09/08/2009 17:38	1	V44792.D	RTX-VMS 0.25(um)
STD010 360-48701/6 IC		09/08/2009 18:02	1	V44793.D	RTX-VMS 0.25(um)
STD040 360-48701/7 IC		09/08/2009 18:25	1	V44794.D	RTX-VMS 0.25(um)
STD080 360-48701/8 IC		09/08/2009 18:49	1	V44795.D	RTX-VMS 0.25(um)
ICV 360-48701/9		09/08/2009 19:13	1	V44796.D	RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS Start Date: 09/16/2009 16:13

Analysis Batch Number: 49049 End Date: 09/16/2009 20:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-49049/1		09/16/2009 16:13	1	V45047.D	RTX-VMS 0.25(um)
CCVIS 360-49049/2		09/16/2009 16:37	1	V45048.D	RTX-VMS 0.25(um)
LCS 360-49046/1-A		09/16/2009 17:01	1	V45049.D	RTX-VMS 0.25(um)
LCSD 360-49046/2-A		09/16/2009 17:25	1	V45050.D	RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 17:48	1		RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 18:12	1		RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 18:35	1		RTX-VMS 0.25(um)
MB 360-49046/3-A		09/16/2009 18:58	1	V45054.D	RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 19:23	1		RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 19:47	1		RTX-VMS 0.25(um)
ZZZZZ		09/16/2009 20:11	1		RTX-VMS 0.25(um)
360-24582-1	OC-SB-457-28/30-XXX	09/16/2009 20:34	1	V45058.D	RTX-VMS 0.25(um)
360-24582-2	OC-TBK-018	09/16/2009 20:58	1	V45059.D	RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS Start Date: 09/17/2009 13:02

Analysis Batch Number: 49101 End Date: 09/17/2009 22:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-49101/1		09/17/2009 13:02	1	V45086.D	RTX-VMS 0.25(um)
CCVIS 360-49101/2		09/17/2009 13:26	1	V45087.D	RTX-VMS 0.25(um)
LCS 360-49099/1-A		09/17/2009 13:51	1	V45088.D	RTX-VMS 0.25(um)
LCSD 360-49099/2-A		09/17/2009 14:15	1	V45089.D	RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 14:39	1		RTX-VMS 0.25(um)
MB 360-49099/3-A		09/17/2009 15:02	1	V45091.D	RTX-VMS 0.25(um)
360-24582-5	OC-SS-400-0.0/1.0-XXX	09/17/2009 15:26	1	V45092.D	RTX-VMS 0.25(um)
360-24582-6	OC-SS-401-0.1/1.0-XXX	09/17/2009 16:09	1	V45093.D	RTX-VMS 0.25(um)
360-24582-7	OC-SS-402-0.0/1.0-XXX	09/17/2009 16:33	1	V45094.D	RTX-VMS 0.25(um)
360-24582-9	OC-SS-404-0.0/1.0-XXX	09/17/2009 16:57	1	V45095.D	RTX-VMS 0.25(um)
360-24582-10	OC-SS-405-0.0/1.0-XXX	09/17/2009 17:20	1	V45096.D	RTX-VMS 0.25(um)
360-24582-11	OC-SS-406-0.0/1.0. -XXX	09/17/2009 17:44	1	V45097.D	RTX-VMS 0.25(um)
360-24582-12	OC-SS-407-0.0/1.0-XXX	09/17/2009 18:07	1	V45098.D	RTX-VMS 0.25(um)
360-24582-13	OC-SS-408-0.0/1.0-XXX	09/17/2009 18:30	1	V45099.D	RTX-VMS 0.25(um)
360-24582-14	OC-SS-409-0.0/1.0-XXX	09/17/2009 18:56	1	V45100.D	RTX-VMS 0.25(um)
360-24582-16	OC-SS-411-0.0/1.0-XXX	09/17/2009 19:20	1	V45101.D	RTX-VMS 0.25(um)
360-24582-17	OC-SS-412-0.0/1.0-XXX	09/17/2009 19:45	1	V45102.D	RTX-VMS 0.25(um)
360-24582-19	OC-SS-414-0.0/1.0-XXX	09/17/2009 20:09	1	V45103.D	RTX-VMS 0.25(um)
360-24582-20	OC-SS-415-0.0/1.0-XXX	09/17/2009 20:33	1	V45104.D	RTX-VMS 0.25(um)
360-24582-21	OC-SS-416-0.0/1.0-DUP	09/17/2009 20:57	1	V45105.D	RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 21:21	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 21:45	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:10	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:34	1		RTX-VMS 0.25(um)
ZZZZZ		09/17/2009 22:59	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: HP #1 GC/MS Start Date: 09/18/2009 15:34

Analysis Batch Number: 49180 End Date: 09/19/2009 00:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-49180/1		09/18/2009 15:34	1	V45136.D	RTX-VMS 0.25(um)
CCVIS 360-49180/2		09/18/2009 15:58	1	V45137.D	RTX-VMS 0.25(um)
LCS 360-49178/1-A		09/18/2009 16:23	1	V45138.D	RTX-VMS 0.25(um)
LCSD 360-49178/2-A		09/18/2009 16:47	1	V45139.D	RTX-VMS 0.25(um)
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	09/18/2009 17:11	1	V45140.D	RTX-VMS 0.25(um)
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	09/18/2009 17:35	1	V45141.D	RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 17:58	1		RTX-VMS 0.25(um)
MB 360-49178/3-A		09/18/2009 18:22	1	V45143.D	RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 18:47	1		RTX-VMS 0.25(um)
360-24582-22	OC-SS-416-0.0/1.0-XXX	09/18/2009 19:11	1	V45145.D	RTX-VMS 0.25(um)
360-24582-23	OC-TBK-019	09/18/2009 19:35	1	V45146.D	RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 20:00	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 20:24	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 20:48	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 21:12	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 21:36	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 22:00	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 22:24	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 22:48	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 23:13	1		RTX-VMS 0.25(um)
ZZZZZ		09/18/2009 23:37	1		RTX-VMS 0.25(um)
ZZZZZ		09/19/2009 00:02	1		RTX-VMS 0.25(um)
ZZZZZ		09/19/2009 00:26	1		RTX-VMS 0.25(um)

8260B

GC/MS VOA Worksheet

Batch Number: 360-49046
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 16 2009 3:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-49046/1		5035, 8260B		5 g	5 g
LCSD~360-49046/2		5035, 8260B		5 g	5 g
MB~360-49046/3		5035, 8260B		5 g	5 g
360-24563-C-14	OC-SB-456-7.0/9.0-XXX		T	5.77 g	5 g
360-24563-C-14~MS	OC-SB-456-7.0/9.0-XMS		T	6.17 g	5 g
360-24563-C-14~MSD	OC-SB-456-7.0/9.0-MSD		T	5.27 g	5 g
360-24563-C-15	OC-SB-457-0.0/1.0-XXX		T	5.29 g	5 g
360-24563-C-16	OC-SB-457-8.0/10-XXX		T	6.19 g	5 g
360-24582-C-1	OC-SB-457-28/30-XXX	5035, 8260B	T	7.74 g	5 g
360-24582-B-2	OC-TBK-018	5035, 8260B	T	5.0 g	5 g

Balance ID: L17317

GC/MS VOA Worksheet

Batch Number: 360-49046
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 16 2009 3:32PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-49046/1		5035, 8260B		
LCSD~360-49046/2		5035, 8260B		
MB~360-49046/3		5035, 8260B		
360-24563-C-14	OC-SB-456-7.0/9.0-XXX		T	
360-24563-C-14~MS	OC-SB-456-7.0/9.0-XMS		T	
360-24563-C-14~MSD	OC-SB-456-7.0/9.0-MSD		T	
360-24563-C-15	OC-SB-457-0.0/1.0-XXX		T	
360-24563-C-16	OC-SB-457-8.0/10-XXX		T	
360-24582-C-1	OC-SB-457-28/30-XXX	5035, 8260B	T	1:1 ratio high
360-24582-B-2	OC-TBK-018	5035, 8260B	T	

Batch Comment: 8260LL

GC/MS VOA Worksheet

Batch Number: 360-49099
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 17 2009 12:18PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-49099/1		5035, 8260B		5 g	5 g
LCSD~360-49099/2		5035, 8260B		5 g	5 g
MB~360-49099/3		5035, 8260B		5 g	5 g
360-24582-C-5	OC-SS-400-0.0/1.0-XXX	5035, 8260B	T	3.44 g	5 g
360-24582-D-6	OC-SS-401-0.1/1.0-XXX	5035, 8260B	T	5.37 g	5 g
360-24582-C-7	OC-SS-402-0.0/1.0-XXX	5035, 8260B	T	3.23 g	5 g
360-24582-C-9	OC-SS-404-0.0/1.0-XXX	5035, 8260B	T	5.08 g	5 g
360-24582-C-10	OC-SS-405-0.0/1.0-XXX	5035, 8260B	T	5.37 g	5 g
360-24582-C-11	OC-SS-406-0.0/1.0.-XXX	5035, 8260B	T	4.48 g	5 g
360-24582-C-12	OC-SS-407-0.0/1.0-XXX	5035, 8260B	T	3.79 g	5 g
360-24582-C-13	OC-SS-408-0.0/1.0-XXX	5035, 8260B	T	6.18 g	5 g
360-24582-C-14	OC-SS-409-0.0/1.0-XXX	5035, 8260B	T	5.25 g	5 g
360-24582-C-16	OC-SS-411-0.0/1.0-XXX	5035, 8260B	T	3.06 g	5 g
360-24582-C-17	OC-SS-412-0.0/1.0-XXX	5035, 8260B	T	5.06 g	5 g
360-24582-C-19	OC-SS-414-0.0/1.0-XXX	5035, 8260B	T	5.13 g	5 g
360-24582-C-20	OC-SS-415-0.0/1.0-XXX	5035, 8260B	T	3.73 g	5 g
360-24582-C-21	OC-SS-416-0.0/1.0-DUP	5035, 8260B	T	5.15 g	5 g
360-24444-C-4	OC-SB-462-31/33-XXX		T	6.05 g	5 g
360-24444-C-7	OC-SB-467-30/32-XXX		T	6.17 g	5 g
360-24454-C-2	OC-SB-461-28/30-XXX		T	6.01 g	5 g
360-24454-C-5	OC-SB-470-31/33-XXX		T	5.88 g	5 g
360-24444-C-13	OC-SB-459-26/28-XXX		T	5.91 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-49099
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 17 2009 12:18PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-49099/1		5035, 8260B		
LCSD~360-49099/2		5035, 8260B		
MB~360-49099/3		5035, 8260B		
360-24582-C-5	OC-SS-400-0.0/1.0-XXX	5035, 8260B	T	1:1 ratio low
360-24582-D-6	OC-SS-401-0.1/1.0-XXX	5035, 8260B	T	
360-24582-C-7	OC-SS-402-0.0/1.0-XXX	5035, 8260B	T	1:1 ratio low
360-24582-C-9	OC-SS-404-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-10	OC-SS-405-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-11	OC-SS-406-0.0/1.0.-XXX	5035, 8260B	T	
360-24582-C-12	OC-SS-407-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-13	OC-SS-408-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-14	OC-SS-409-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-16	OC-SS-411-0.0/1.0-XXX	5035, 8260B	T	1:1 ratio low
360-24582-C-17	OC-SS-412-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-19	OC-SS-414-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-20	OC-SS-415-0.0/1.0-XXX	5035, 8260B	T	1:1 ratio low
360-24582-C-21	OC-SS-416-0.0/1.0-DUP	5035, 8260B	T	
360-24444-C-4	OC-SB-462-31/33-XXX		T	
360-24444-C-7	OC-SB-467-30/32-XXX		T	
360-24454-C-2	OC-SB-461-28/30-XXX		T	
360-24454-C-5	OC-SB-470-31/33-XXX		T	
360-24444-C-13	OC-SB-459-26/28-XXX		T	

GC/MS VOA Worksheet

Batch Number: 360-49178
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 18 2009 3:00PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-49178/1		5035, 8260B		5 g	5 g
LCSD~360-49178/2		5035, 8260B		5 g	5 g
MB~360-49178/3		5035, 8260B		5 g	5 g
360-24631-D-1	And- Top		T	5.22 g	5 g
360-24582-C-22	OC-SS-416-0.0/1.0-XXX	5035, 8260B	T	5.20 g	5 g
360-24582-C-22~MS	OC-SS-416-0.0/1.0-XMS	5035, 8260B	T	5.21 g	5 g
360-24582-D-22~MSD	OC-SS-416-0.0/1.0-MSD	5035, 8260B	T	5.01 g	5 g
360-24582-B-23	OC-TBK-019	5035, 8260B	T	5.00 g	5 g
360-24634-C-1	OC-SS-417-0.0/1.0-XXX		T	5.44 g	5 g
360-24634-C-2	OC-SS-418-0.0/1.0-XXX		T	5.01 g	5 g
360-24634-D-3	OC-SS-419-0.0/1.0-XXX		T	5.39 g	5 g
360-24634-C-4	OC-SS-420-0.0/1.0-XXX		T	6.20 g	5 g
360-24634-C-5	OC-SS-421-0.0/1.0-XXX		T	5.32 g	5 g
360-24634-C-6	OC-SS-422-0.0/1.0-XXX		T	5.13 g	5 g
360-24634-C-7	OC-SS-423-0.0/1.0-XXX		T	6.23 g	5 g
360-24634-C-8	OC-SS-424-0.0/1.0-XXX		T	5.80 g	5 g
360-24634-C-9	OC-SS-425-0.0/1.0-XXX		T	6.34 g	5 g
360-24634-C-10	OC-SS-426-0.0/1.0-XXX		T	5.74 g	5 g
360-24634-C-11	OC-SS-427-0.0/1.0-XXX		T	4.42 g	5 g
360-24634-C-12	OC-SS-428-0.0/1.0-XXX		T	6.01 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-49178
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 18 2009 3:00PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-49178/1		5035, 8260B		
LCSD~360-49178/2		5035, 8260B		
MB~360-49178/3		5035, 8260B		
360-24631-D-1	And- Top		T	
360-24582-C-22	OC-SS-416-0.0/1.0-XXX	5035, 8260B	T	
360-24582-C-22~MS	OC-SS-416-0.0/1.0-XMS	5035, 8260B	T	
360-24582-D-22~MSD	OC-SS-416-0.0/1.0-MSD	5035, 8260B	T	
360-24582-B-23	OC-TBK-019	5035, 8260B	T	
360-24634-C-1	OC-SS-417-0.0/1.0-XXX		T	
360-24634-C-2	OC-SS-418-0.0/1.0-XXX		T	
360-24634-D-3	OC-SS-419-0.0/1.0-XXX		T	
360-24634-C-4	OC-SS-420-0.0/1.0-XXX		T	
360-24634-C-5	OC-SS-421-0.0/1.0-XXX		T	
360-24634-C-6	OC-SS-422-0.0/1.0-XXX		T	
360-24634-C-7	OC-SS-423-0.0/1.0-XXX		T	
360-24634-C-8	OC-SS-424-0.0/1.0-XXX		T	
360-24634-C-9	OC-SS-425-0.0/1.0-XXX		T	1:1 ratio high
360-24634-C-10	OC-SS-426-0.0/1.0-XXX		T	
360-24634-C-11	OC-SS-427-0.0/1.0-XXX		T	
360-24634-C-12	OC-SS-428-0.0/1.0-XXX		T	

Method 8270C Low Level

Semivolatile Organic Compounds (GC/MS) Low Level by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low

GC Column (1): Rtx-5ms ID: 0.25 (um)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
OC-SB-457-28/30-XXX	360-24582-1	57	65	53	59	73	95
OC-SB-457-28/30-XXX	360-24582-1	64	58	64	58	68	63
OC-SS-400-0.0/1.0-XXX	360-24582-5	56	57	64	56	63	62
OC-SS-401-0.1/1.0-XXX	360-24582-6	70	71	70	72	74	88
OC-SS-402-0.0/1.0-XXX	360-24582-7	47	46	57	47	53	52
OC-SS-404-0.0/1.0-XXX	360-24582-9	64	64	61	65	65	82
OC-SS-405-0.0/1.0-XXX	360-24582-10	79	81	74	78	80	99
OC-SS-406-0.0/1.0.-XXX	360-24582-11	61	64	67	63	68	70
OC-SS-407-0.0/1.0-XXX	360-24582-12	73	69	68	75	74	78
OC-SS-408-0.0/1.0-XXX	360-24582-13	78	76	71	75	85	88
OC-SS-409-0.0/1.0-XXX	360-24582-14	72	72	69	75	81	82
OC-SS-411-0.0/1.0-XXX	360-24582-16	46	42	65	49	83	64
OC-SS-412-0.0/1.0-XXX	360-24582-17	69	65	63	70	79	88
OC-SS-414-0.0/1.0-XXX	360-24582-19	77	77	73	82	88	96
OC-SS-415-0.0/1.0-XXX	360-24582-20	41	40	51	47	58	49
OC-SS-416-0.0/1.0-DUP	360-24582-21	69	66	60	62	66	64
OC-SS-416-0.0/1.0-XXX	360-24582-22	77	70	64	69	74	73
	MB 360-49246/1-A	80	75	78	71	78	86
	MB 360-49302/1-A	71	76	61	68	75	80
	MB 360-49345/1-A	98	87	79	77	74	81
	LCS 360-49246/2-A	63	66	89	80	86	80
	LCS 360-49302/2-A	54	58	67	66	77	69
	LCS 360-49345/2-A	72	65	67	73	75	68
	LCSD 360-49246/3-A	64	67	83	81	88	81
	LCSD 360-49302/3-A	53	57	67	68	79	87

	QC LIMITS
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low

GC Column (1): Rtx-5ms ID: 0.25 (um)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	LCSD 360-49345/3-A	76	71	74	80	79	71
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	69	67	61	65	68	64
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	62	64	66	64	71	62

	QC LIMITS
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low

GC Column (1): Rtx-5ms ID: 0.25 (um)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
OC-EBK-010	360-24582-4	23	12 X	81	73	75	91
	MB 360-48980/1-A	26	13 X	81	69	67	87
	LCS 360-48980/2-A	22	11 X	60	70	78	79
	LCSD 360-48980/3-A	22	12 X	61	75	79	76

	QC LIMITS
2FP = 2-Fluorophenol	15-110
PHL = Phenol-d5	15-110
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	15-110
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: B10559.D

Lab ID: LCS 360-48980/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	10.0	8.96	90	40-140	
1,2,4,5-Tetrachlorobenzene	10.0	6.04	60	40-140	
1-Methylnaphthalene	10.0	7.20	72	40-140	
2,3,4,6-Tetrachlorophenol	10.0	6.71	67	40-140	
2,4-Dimethylphenol	10.0	6.48	65	30-130	
2-Chlorophenol	10.0	5.23	52	40-130	
2,4-Dichlorophenol	10.0	7.31	73	30-130	
2,4,6-Trichlorophenol	10.0	8.13	81	30-130	
2-Methylphenol	10.0	4.17 J	42	30-130	
2,4,5-Trichlorophenol	10.0	7.80	78	30-130	
2-Methylnaphthalene	10.0	5.92	59	40-140	
3 & 4 Methylphenol	10.0	3.56 J	36	30-130	
2-Nitroaniline	10.0	8.48	85	40-140	
3,3'-Dichlorobenzidine	10.0	8.52	85	40-140	
2-Chloronaphthalene	10.0	5.92	59	40-140	
2,6-Dinitrotoluene	10.0	8.16	82	40-140	
4-Chloro-3-methylphenol	10.0	6.70	67	30-130	
2-Nitrophenol	10.0	7.82	78	30-130	
4-Chloroaniline	10.0	5.97	60	40-140	
3-Nitroaniline	10.0	7.36	74	40-140	
2,4-Dinitrophenol	10.0	7.54	75	30-130	
2,4-Dinitrotoluene	10.0	7.61	76	40-140	
Acenaphthene	10.0	8.96	90	40-140	
Acenaphthylene	10.0	7.77	78	40-140	
4-Nitrophenol	10.0	1.45 J	14	30-130	*
Aniline	10.0	1.87 J	19	40-140	*
4-Nitroaniline	10.0	7.92	79	40-140	
Azobenzene	10.0	9.30	93	40-140	
4-Bromophenyl phenyl ether	10.0	8.63	86	40-140	
4-Chlorophenyl phenyl ether	10.0	7.91	79	40-140	
4,6-Dinitro-2-methylphenol	10.0	8.11	81	30-130	
Benzoic acid	10.0	2.12 J	21	30-130	*
Anthracene	10.0	10.8	108	40-140	
Benzyl alcohol	10.0	4.46 J	45	30-130	
Bis(2-chloroethoxy)methane	10.0	6.57	66	40-140	
Bis(2-chloroethyl)ether	10.0	6.43	64	40-140	
Butyl benzyl phthalate	10.0	10.5	105	40-140	
Benzo[a]anthracene	10.0	10.6	106	40-140	
Caprolactam	10.0	1.08 J	11	40-140	*
Chrysene	10.0	10.3	103	40-140	
Benzo[b]fluoranthene	10.0	9.66	97	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: B10559.D

Lab ID: LCS 360-48980/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzo[k]fluoranthene	10.0	10.6	106	40-140	
Benzo[a]pyrene	10.0	9.81	98	40-140	
Dibenzofuran	10.0	7.81	78	40-140	
Dibenz(a,h)anthracene	10.0	10.1	101	40-140	
Diethyl phthalate	10.0	8.72	87	40-140	
Benzo[g,h,i]perylene	10.0	10.3	103	40-140	
Dimethyl phthalate	10.0	8.50	85	40-140	
Acetophenone	10.0	7.40	74	40-140	
Di-n-butyl phthalate	10.0	10.0	100	40-140	
Bis(2-ethylhexyl) phthalate	10.0	13.8	138	40-140	
Di-n-octyl phthalate	10.0	8.53	85	40-140	
Fluoranthene	10.0	9.64	96	40-140	
Fluorene	10.0	9.82	98	40-140	
Hexachlorobenzene	10.0	8.84	88	40-140	
bis (2-chloroisopropyl) ether	10.0	6.52	65	40-140	
Hexachlorocyclopentadiene	10.0	5.06	51	40-140	
Hexachloroethane	10.0	5.36	54	40-140	
Indeno[1,2,3-cd]pyrene	10.0	10.3	103	40-140	
Isophorone	10.0	6.18	62	40-140	
Nitrobenzene	10.0	6.51	65	40-140	
Atrazine	10.0	11.7	117	40-140	
Benzaldehyde	10.0	9.32	93	40-140	
Carbazole	10.0	9.75	97	40-140	
N-Nitrosodi-n-propylamine	10.0	7.34	73	40-140	
Benzophenone	10.0	10.2	102	40-140	
N-Nitrosodiphenylamine	10.0	6.45	64	40-140	
Diphenyl oxide	10.0	7.62	76	40-140	
Pentachlorophenol	10.0	8.51	85	30-130	
Phenanthrene	10.0	9.70	97	40-140	
Phenol	10.0	1.27 J	13	30-130	*
Pyrene	10.0	9.74	97	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03194.D

Lab ID: LCS 360-49246/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	314	94	40-140	
1,2,4,5-Tetrachlorobenzene	333	346	104	40-140	
1,2,4-Trichlorobenzene	333	307	92	40-140	
1,2-Dichlorobenzene	333	216	65	40-140	
1,3-Dichlorobenzene	333	207	62	40-140	
1,4-Dichlorobenzene	333	208	62	40-140	
1-Methylnaphthalene	333	336	101	40-140	
2,3,4,6-Tetrachlorophenol	333	281	84	40-140	
2,4-Dimethylphenol	333	391	117	30-130	
2-Chlorophenol	333	241	72	30-130	
2,4-Dichlorophenol	333	424	127	30-130	
2,4,6-Trichlorophenol	333	293	88	30-130	
2-Methylphenol	333	256	77	30-130	
2,4,5-Trichlorophenol	333	348	104	30-130	
2-Methylnaphthalene	333	331	99	40-140	
3 & 4 Methylphenol	333	268	80	30-130	
2-Nitroaniline	333	332	99	40-140	
3,3'-Dichlorobenzidine	333	386	116	40-140	
2-Chloronaphthalene	333	319	96	40-140	
2,6-Dinitrotoluene	333	339	102	40-140	
4-Chloro-3-methylphenol	333	402	121	30-130	
2-Nitrophenol	333	338	101	30-130	
4-Chloroaniline	333	308	92	40-140	
3-Nitroaniline	333	327	98	40-140	
2,4-Dinitrophenol	333	283	85	30-130	
2,4-Dinitrotoluene	333	324	97	40-140	
Acenaphthene	333	348	104	40-140	
Acenaphthylene	333	311	93	40-140	
4-Nitrophenol	333	338	101	30-130	
Aniline	333	102	31	40-140	*
4-Nitroaniline	333	375	113	40-140	
Azobenzene	333	334	100	40-140	
4-Bromophenyl phenyl ether	333	327	98	40-140	
4-Chlorophenyl phenyl ether	333	325	97	40-140	
4,6-Dinitro-2-methylphenol	333	311	93	30-130	
Benzoic acid	333	272	81	30-130	
Anthracene	333	358	108	40-140	
Benzyl alcohol	333	262	79	30-130	
Bis(2-chloroethoxy)methane	333	310	93	40-140	
Bis(2-chloroethyl)ether	333	221	66	40-140	
Butyl benzyl phthalate	333	331	99	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03194.D

Lab ID: LCS 360-49246/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]anthracene	333	384	115	40-140	
Caprolactam	333	372	112	40-140	
Chrysene	333	351	105	40-140	
Benzo[b]fluoranthene	333	344	103	40-140	
Benzo[k]fluoranthene	333	384	115	40-140	
Benzo[a]pyrene	333	423	127	40-140	
Dibenzofuran	333	295	89	40-140	
Dibenz(a,h)anthracene	333	424	127	40-140	
Diethyl phthalate	333	327	98	40-140	
Benzo[g,h,i]perylene	333	452	136	40-140	
Dimethyl phthalate	333	313	94	40-140	
Acetophenone	333	249	75	40-140	
Di-n-butyl phthalate	333	417	125	40-140	
Bis(2-ethylhexyl) phthalate	333	370	111	40-140	
Di-n-octyl phthalate	333	365	110	40-140	
Fluoranthene	333	358	107	40-140	
Fluorene	333	368	110	40-140	
Hexachlorobenzene	333	322	97	40-140	
Hexachlorobutadiene	333	325	98	40-140	
2,2'-oxybis[1-chloropropane]	333	234	70	40-140	
Hexachlorocyclopentadiene	333	265	79	40-140	
Hexachloroethane	333	220	66	40-140	
Indeno[1,2,3-cd]pyrene	333	512	154	40-140	*
Isophorone	333	314	94	40-140	
Naphthalene	333	321	96	40-140	
Nitrobenzene	333	333	100	40-140	
Atrazine	333	393	118	40-140	
Benzaldehyde	333	279	84	40-140	
N-Nitrosodimethylamine	333	234	70	40-140	
Carbazole	333	355	107	40-140	
N-Nitrosodi-n-propylamine	333	254	76	40-140	
Benzophenone	333	344	103	40-140	
N-Nitrosodiphenylamine	333	239	72	40-140	
Diphenyl oxide	333	366	110	40-140	
Pentachlorophenol	333	311	93	30-130	
Phenanthrene	333	388	117	40-140	
Phenol	333	247	74	30-130	
Pyrene	333	350	105	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03154.D

Lab ID: LCS 360-49302/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodimethylamine	100	63.7	64	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10632.D

Lab ID: LCS 360-49345/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	282	85	40-140	
1,2,4,5-Tetrachlorobenzene	333	245	74	40-140	
1,2,4-Trichlorobenzene	333	222	66	40-140	
1,2-Dichlorobenzene	333	211	63	40-140	
1,3-Dichlorobenzene	333	202	60	40-140	
1,4-Dichlorobenzene	333	199	60	40-140	
1-Methylnaphthalene	333	241	72	40-140	
2,3,4,6-Tetrachlorophenol	333	279	84	40-140	
2,4-Dimethylphenol	333	281	84	30-130	
2-Chlorophenol	333	225	68	30-130	
2,4-Dichlorophenol	333	275	82	30-130	
2,4,6-Trichlorophenol	333	320	96	30-130	
2-Methylphenol	333	250	75	30-130	
2,4,5-Trichlorophenol	333	303	91	30-130	
2-Methylnaphthalene	333	242	73	40-140	
3 & 4 Methylphenol	333	264	79	30-130	
2-Nitroaniline	333	350	105	40-140	
3,3'-Dichlorobenzidine	333	295	88	40-140	
2-Chloronaphthalene	333	214	64	40-140	
2,6-Dinitrotoluene	333	288	86	40-140	
4-Chloro-3-methylphenol	333	280	84	30-130	
2-Nitrophenol	333	260	78	30-130	
4-Chloroaniline	333	207	62	40-140	
3-Nitroaniline	333	307	92	40-140	
2,4-Dinitrophenol	333	247	74	30-130	
2,4-Dinitrotoluene	333	275	83	40-140	
Acenaphthene	333	313	94	40-140	
Acenaphthylene	333	260	78	40-140	
4-Nitrophenol	333	322	97	30-130	
Aniline	333	108	32	40-140	*
4-Nitroaniline	333	279	84	40-140	
Azobenzene	333	291	87	40-140	
4-Bromophenyl phenyl ether	333	288	86	40-140	
4-Chlorophenyl phenyl ether	333	281	84	40-140	
4,6-Dinitro-2-methylphenol	333	279	84	30-130	
Benzoic acid	333	219	66	30-130	
Anthracene	333	337	101	40-140	
Benzyl alcohol	333	247	74	30-130	
Bis(2-chloroethoxy)methane	333	243	73	40-140	
Bis(2-chloroethyl)ether	333	212	63	40-140	
Butyl benzyl phthalate	333	290	87	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10632.D

Lab ID: LCS 360-49345/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]anthracene	333	345	104	40-140	
Caprolactam	333	253	76	40-140	
Chrysene	333	321	96	40-140	
Benzo[b]fluoranthene	333	321	96	40-140	
Benzo[k]fluoranthene	333	366	110	40-140	
Benzo[a]pyrene	333	337	101	40-140	
Dibenzofuran	333	273	82	40-140	
Dibenz(a,h)anthracene	333	362	108	40-140	
Diethyl phthalate	333	290	87	40-140	
Benzo[g,h,i]perylene	333	365	110	40-140	
Dimethyl phthalate	333	284	85	40-140	
Acetophenone	333	250	75	40-140	
Di-n-butyl phthalate	333	344	103	40-140	
Bis(2-ethylhexyl) phthalate	333	264	79	40-140	
Di-n-octyl phthalate	333	267	80	40-140	
Fluoranthene	333	324	97	40-140	
Fluorene	333	333	100	40-140	
Hexachlorobenzene	333	292	88	40-140	
Hexachlorobutadiene	333	223	67	40-140	
2,2'-oxybis[1-chloropropane]	333	223	67	40-140	
Hexachlorocyclopentadiene	333	200	60	40-140	
Hexachloroethane	333	210	63	40-140	
Indeno[1,2,3-cd]pyrene	333	409	123	40-140	
Isophorone	333	210	63	40-140	
Naphthalene	333	241	72	40-140	
Nitrobenzene	333	237	71	40-140	
Atrazine	333	364	109	40-140	
Benzaldehyde	333	296	89	40-140	
N-Nitrosodimethylamine	333	242	72	40-140	
Carbazole	333	328	99	40-140	
N-Nitrosodi-n-propylamine	333	254	76	40-140	
Benzophenone	333	306	92	40-140	
N-Nitrosodiphenylamine	333	212	64	40-140	
Diphenyl oxide	333	255	76	40-140	
Pentachlorophenol	333	282	85	30-130	
Phenanthrene	333	319	96	40-140	
Phenol	333	238	71	30-130	
Pyrene	333	293	88	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: B10560.D

Lab ID: LCSD 360-48980/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	10.0	9.61	96	7	20	40-140	
1,2,4,5-Tetrachlorobenzene	10.0	6.32	63	5	20	40-140	
1-Methylnaphthalene	10.0	7.33	73	2	20	40-140	
2,3,4,6-Tetrachlorophenol	10.0	7.19	72	7	20	40-140	
2,4-Dimethylphenol	10.0	6.61	66	2	20	30-130	
2-Chlorophenol	10.0	5.46	55	4	20	40-130	
2,4-Dichlorophenol	10.0	7.74	77	6	20	30-130	
2,4,6-Trichlorophenol	10.0	9.01	90	10	20	30-130	
2-Methylphenol	10.0	4.36 J	44	4	20	30-130	
2,4,5-Trichlorophenol	10.0	8.33	83	7	20	30-130	
2-Methylnaphthalene	10.0	6.14	61	4	20	40-140	
3 & 4 Methylphenol	10.0	3.73 J	37	5	20	30-130	
2-Nitroaniline	10.0	9.24	92	9	20	40-140	
3,3'-Dichlorobenzidine	10.0	9.04	90	6	20	40-140	
2-Chloronaphthalene	10.0	6.47	65	9	20	40-140	
2,6-Dinitrotoluene	10.0	8.78	88	7	20	40-140	
4-Chloro-3-methylphenol	10.0	7.18	72	7	20	30-130	
2-Nitrophenol	10.0	8.10	81	4	20	30-130	
4-Chloroaniline	10.0	6.17	62	3	20	40-140	
3-Nitroaniline	10.0	8.18	82	11	20	40-140	
2,4-Dinitrophenol	10.0	8.77	88	15	20	30-130	
2,4-Dinitrotoluene	10.0	8.06	81	6	20	40-140	
Acenaphthene	10.0	9.66	97	8	20	40-140	
Acenaphthylene	10.0	8.35	84	7	20	40-140	
4-Nitrophenol	10.0	1.80 J	18	22	20	30-130	*
Aniline	10.0	2.17 J	22	15	20	40-140	*
4-Nitroaniline	10.0	8.72	87	10	20	40-140	
Azobenzene	10.0	9.45	95	2	20	40-140	
4-Bromophenyl phenyl ether	10.0	8.75	87	1	20	40-140	
4-Chlorophenyl phenyl ether	10.0	8.69	87	9	20	40-140	
4,6-Dinitro-2-methylphenol	10.0	8.84	88	9	20	30-130	
Benzoic acid	10.0	2.17 J	22	3	20	30-130	*
Anthracene	10.0	10.8	108	1	20	40-140	
Benzyl alcohol	10.0	4.90 J	49	9	20	30-130	
Bis(2-chloroethoxy)methane	10.0	6.88	69	5	20	40-140	
Bis(2-chloroethyl)ether	10.0	6.64	66	3	20	40-140	
Butyl benzyl phthalate	10.0	10.1	101	4	20	40-140	
Benzo[a]anthracene	10.0	10.8	108	3	20	40-140	
Caprolactam	10.0	1.21 J	12	11	20	40-140	*
Chrysene	10.0	10.6	106	4	20	40-140	
Benzo[b]fluoranthene	10.0	10.1	101	4	20	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: B10560.D

Lab ID: LCSD 360-48980/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[k]fluoranthene	10.0	10.8	108	2	20	40-140	
Benzo[a]pyrene	10.0	10.2	102	4	20	40-140	
Dibenzofuran	10.0	8.31	83	6	20	40-140	
Dibenz(a,h)anthracene	10.0	10.0	100	1	20	40-140	
Diethyl phthalate	10.0	9.33	93	7	20	40-140	
Benzo[g,h,i]perylene	10.0	10.3	103	0	20	40-140	
Dimethyl phthalate	10.0	9.03	90	6	20	40-140	
Acetophenone	10.0	7.75	77	5	20	40-140	
Di-n-butyl phthalate	10.0	10.1	101	1	20	40-140	
Bis(2-ethylhexyl) phthalate	10.0	12.1	121	13	20	40-140	
Di-n-octyl phthalate	10.0	8.17	82	4	20	40-140	
Fluoranthene	10.0	10.0	100	4	20	40-140	
Fluorene	10.0	10.5	105	7	20	40-140	
Hexachlorobenzene	10.0	9.01	90	2	20	40-140	
bis (2-chloroisopropyl) ether	10.0	6.82	68	5	20	40-140	
Hexachlorocyclopentadiene	10.0	5.74	57	13	20	40-140	
Hexachloroethane	10.0	5.79	58	8	20	40-140	
Indeno[1,2,3-cd]pyrene	10.0	10.2	102	1	20	40-140	
Isophorone	10.0	6.46	65	4	20	40-140	
Nitrobenzene	10.0	6.76	68	4	20	40-140	
Atrazine	10.0	11.9	119	1	20	40-140	
Benzaldehyde	10.0	9.73	97	4	20	40-140	
Carbazole	10.0	10.1	101	3	20	40-140	
N-Nitrosodi-n-propylamine	10.0	7.62	76	4	20	40-140	
Benzophenone	10.0	10.4	104	2	20	40-140	
N-Nitrosodiphenylamine	10.0	6.63	66	3	20	40-140	
Diphenyl oxide	10.0	7.81	78	3	20	40-140	
Pentachlorophenol	10.0	9.00	90	6	20	30-130	
Phenanthrene	10.0	9.83	98	1	20	40-140	
Phenol	10.0	1.37 J	14	8	20	30-130	*
Pyrene	10.0	9.64	96	1	20	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03195.D

Lab ID: LCSD 360-49246/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	332	100	6	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	332	100	4	30	40-140	
1,2,4-Trichlorobenzene	333	294	88	4	30	40-140	
1,2-Dichlorobenzene	333	219	66	2	30	40-140	
1,3-Dichlorobenzene	333	213	64	3	30	40-140	
1,4-Dichlorobenzene	333	214	64	3	30	40-140	
1-Methylnaphthalene	333	329	99	2	30	40-140	
2,3,4,6-Tetrachlorophenol	333	292	88	4	30	40-140	
2,4-Dimethylphenol	333	376	113	4	30	30-130	
2-Chlorophenol	333	247	74	3	30	30-130	
2,4-Dichlorophenol	333	410	123	3	30	30-130	
2,4,6-Trichlorophenol	333	374	112	24	30	30-130	
2-Methylphenol	333	257	77	0	30	30-130	
2,4,5-Trichlorophenol	333	378	113	8	30	30-130	
2-Methylnaphthalene	333	315	94	5	30	40-140	
3 & 4 Methylphenol	333	270	81	1	30	30-130	
2-Nitroaniline	333	343	103	3	30	40-140	
3,3'-Dichlorobenzidine	333	387	116	0	30	40-140	
2-Chloronaphthalene	333	330	99	3	30	40-140	
2,6-Dinitrotoluene	333	364	109	7	30	40-140	
4-Chloro-3-methylphenol	333	385	116	4	30	30-130	
2-Nitrophenol	333	321	96	5	30	30-130	
4-Chloroaniline	333	293	88	5	30	40-140	
3-Nitroaniline	333	334	100	2	30	40-140	
2,4-Dinitrophenol	333	287	86	2	30	30-130	
2,4-Dinitrotoluene	333	332	100	3	30	40-140	
Acenaphthene	333	364	109	5	30	40-140	
Acenaphthylene	333	321	96	3	30	40-140	
4-Nitrophenol	333	345	103	2	30	30-130	
Aniline	333	105	31	2	30	40-140	*
4-Nitroaniline	333	399	120	6	30	40-140	
Azobenzene	333	343	103	3	30	40-140	
4-Bromophenyl phenyl ether	333	325	98	0	30	40-140	
4-Chlorophenyl phenyl ether	333	333	100	3	30	40-140	
4,6-Dinitro-2-methylphenol	333	322	97	4	30	30-130	
Benzoic acid	333	272	82	0	30	30-130	
Anthracene	333	349	105	3	30	40-140	
Benzyl alcohol	333	269	81	3	30	30-130	
Bis(2-chloroethoxy)methane	333	334	100	8	30	40-140	
Bis(2-chloroethyl)ether	333	223	67	1	30	40-140	
Butyl benzyl phthalate	333	332	100	0	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03195.D

Lab ID: LCSD 360-49246/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]anthracene	333	385	116	0	30	40-140	
Caprolactam	333	372	112	0	30	40-140	
Chrysene	333	356	107	2	30	40-140	
Benzo[b]fluoranthene	333	351	105	2	30	40-140	
Benzo[k]fluoranthene	333	378	113	2	30	40-140	
Benzo[a]pyrene	333	412	124	2	30	40-140	
Dibenzofuran	333	319	96	8	30	40-140	
Dibenz(a,h)anthracene	333	394	118	7	30	40-140	
Diethyl phthalate	333	346	104	6	30	40-140	
Benzo[g,h,i]perylene	333	430	129	5	30	40-140	
Dimethyl phthalate	333	340	102	8	30	40-140	
Acetophenone	333	254	76	2	30	40-140	
Di-n-butyl phthalate	333	418	125	0	30	40-140	
Bis(2-ethylhexyl) phthalate	333	352	105	5	30	40-140	
Di-n-octyl phthalate	333	366	110	0	30	40-140	
Fluoranthene	333	364	109	2	30	40-140	
Fluorene	333	380	114	3	30	40-140	
Hexachlorobenzene	333	327	98	2	30	40-140	
Hexachlorobutadiene	333	303	91	7	30	40-140	
2,2'-oxybis[1-chloropropane]	333	239	72	2	30	40-140	
Hexachlorocyclopentadiene	333	268	80	1	30	40-140	
Hexachloroethane	333	220	66	0	30	40-140	
Indeno[1,2,3-cd]pyrene	333	481	144	6	30	40-140	*
Isophorone	333	299	90	5	30	40-140	
Naphthalene	333	305	92	5	30	40-140	
Nitrobenzene	333	317	95	5	30	40-140	
Atrazine	333	416	125	6	30	40-140	
Benzaldehyde	333	291	87	4	30	40-140	
N-Nitrosodimethylamine	333	237	71	1	30	40-140	
Carbazole	333	359	108	1	30	40-140	
N-Nitrosodi-n-propylamine	333	254	76	0	30	40-140	
Benzophenone	333	361	108	5	30	40-140	
N-Nitrosodiphenylamine	333	249	75	4	30	40-140	
Diphenyl oxide	333	355	107	3	30	40-140	
Pentachlorophenol	333	317	95	2	30	30-130	
Phenanthrene	333	399	120	3	30	40-140	
Phenol	333	255	77	3	30	30-130	
Pyrene	333	348	104	1	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: J03155.D

Lab ID: LCSD 360-49302/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodimethylamine	100	68.7	69	8	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10633.D

Lab ID: LCSD 360-49345/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	298	89	5	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	269	81	9	30	40-140	
1,2,4-Trichlorobenzene	333	239	72	8	30	40-140	
1,2-Dichlorobenzene	333	216	65	2	30	40-140	
1,3-Dichlorobenzene	333	206	62	2	30	40-140	
1,4-Dichlorobenzene	333	205	61	3	30	40-140	
1-Methylnaphthalene	333	261	78	8	30	40-140	
2,3,4,6-Tetrachlorophenol	333	299	90	7	30	40-140	
2,4-Dimethylphenol	333	310	93	10	30	30-130	
2-Chlorophenol	333	238	72	6	30	30-130	
2,4-Dichlorophenol	333	300	90	9	30	30-130	
2,4,6-Trichlorophenol	333	343	103	7	30	30-130	
2-Methylphenol	333	271	81	8	30	30-130	
2,4,5-Trichlorophenol	333	306	92	1	30	30-130	
2-Methylnaphthalene	333	266	80	10	30	40-140	
3 & 4 Methylphenol	333	274	82	4	30	30-130	
2-Nitroaniline	333	373	112	6	30	40-140	
3,3'-Dichlorobenzidine	333	316	95	7	30	40-140	
2-Chloronaphthalene	333	229	69	7	30	40-140	
2,6-Dinitrotoluene	333	307	92	6	30	40-140	
4-Chloro-3-methylphenol	333	311	93	10	30	30-130	
2-Nitrophenol	333	283	85	8	30	30-130	
4-Chloroaniline	333	224	67	8	30	40-140	
3-Nitroaniline	333	333	100	8	30	40-140	
2,4-Dinitrophenol	333	275	82	11	30	30-130	
2,4-Dinitrotoluene	333	294	88	7	30	40-140	
Acenaphthene	333	334	100	6	30	40-140	
Acenaphthylene	333	276	83	6	30	40-140	
4-Nitrophenol	333	346	104	7	30	30-130	
Aniline	333	115	34	6	30	40-140	*
4-Nitroaniline	333	296	89	6	30	40-140	
Azobenzene	333	302	91	4	30	40-140	
4-Bromophenyl phenyl ether	333	298	89	3	30	40-140	
4-Chlorophenyl phenyl ether	333	302	90	7	30	40-140	
4,6-Dinitro-2-methylphenol	333	316	95	12	30	30-130	
Benzoic acid	333	277	83	23	30	30-130	
Anthracene	333	348	104	3	30	40-140	
Benzyl alcohol	333	221	66	11	30	30-130	
Bis(2-chloroethoxy)methane	333	267	80	9	30	40-140	
Bis(2-chloroethyl)ether	333	219	66	3	30	40-140	
Butyl benzyl phthalate	333	299	90	3	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10633.D

Lab ID: LCSD 360-49345/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]anthracene	333	374	112	8	30	40-140	
Caprolactam	333	265	80	5	30	40-140	
Chrysene	333	342	103	6	30	40-140	
Benzo[b]fluoranthene	333	339	102	5	30	40-140	
Benzo[k]fluoranthene	333	383	115	4	30	40-140	
Benzo[a]pyrene	333	348	104	3	30	40-140	
Dibenzofuran	333	292	87	6	30	40-140	
Dibenz(a,h)anthracene	333	372	112	3	30	40-140	
Diethyl phthalate	333	306	92	5	30	40-140	
Benzo[g,h,i]perylene	333	375	113	3	30	40-140	
Dimethyl phthalate	333	299	90	5	30	40-140	
Acetophenone	333	257	77	3	30	40-140	
Di-n-butyl phthalate	333	358	107	4	30	40-140	
Bis(2-ethylhexyl) phthalate	333	268	80	1	30	40-140	
Di-n-octyl phthalate	333	267	80	0	30	40-140	
Fluoranthene	333	341	102	5	30	40-140	
Fluorene	333	354	106	6	30	40-140	
Hexachlorobenzene	333	310	93	6	30	40-140	
Hexachlorobutadiene	333	241	72	7	30	40-140	
2,2'-oxybis[1-chloropropane]	333	230	69	3	30	40-140	
Hexachlorocyclopentadiene	333	228	68	13	30	40-140	
Hexachloroethane	333	214	64	2	30	40-140	
Indeno[1,2,3-cd]pyrene	333	422	127	3	30	40-140	
Isophorone	333	228	68	8	30	40-140	
Naphthalene	333	260	78	7	30	40-140	
Nitrobenzene	333	258	77	8	30	40-140	
Atrazine	333	377	113	4	30	40-140	
Benzaldehyde	333	304	91	3	30	40-140	
N-Nitrosodimethylamine	333	250	75	4	30	40-140	
Carbazole	333	353	106	7	30	40-140	
N-Nitrosodi-n-propylamine	333	264	79	4	30	40-140	
Benzophenone	333	318	95	4	30	40-140	
N-Nitrosodiphenylamine	333	223	67	5	30	40-140	
Diphenyl oxide	333	278	83	9	30	40-140	
Pentachlorophenol	333	320	96	12	30	30-130	
Phenanthrene	333	344	103	8	30	40-140	
Phenol	333	251	75	6	30	30-130	
Pyrene	333	304	91	4	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10708.D

Lab ID: 360-24582-22 MS Client ID: OC-SS-416-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	365	ND	267 J	73	40-140	
1,2,4,5-Tetrachlorobenzene	365	ND	266 J	73	40-140	
1,2,4-Trichlorobenzene	365	ND	239 J	65	40-140	
1,2-Dichlorobenzene	365	ND	229 J	63	40-140	
1,3-Dichlorobenzene	365	ND	227 J	62	40-140	
1,4-Dichlorobenzene	365	ND	222 J	61	40-140	
1-Methylnaphthalene	365	ND	258 J	71	40-140	
2,2'-oxybis[1-chloropropane]	365	ND	250 J	68	40-140	
2,3,4,6-Tetrachlorophenol	365	ND	261 J	71	40-140	
2,4,5-Trichlorophenol	365	ND	240 J	66	30-130	
2,4,6-Trichlorophenol	365	ND	255 J	70	30-130	
2,4-Dichlorophenol	365	ND	250 J	68	30-130	
2,4-Dimethylphenol	365	ND	265 J	73	30-130	
2,4-Dinitrophenol	365	ND	695	190	30-130	F
2,4-Dinitrotoluene	365	ND	230 J	63	40-140	
2,6-Dinitrotoluene	365	ND	244 J	67	40-140	
2-Chloronaphthalene	365	ND	197 J	54	40-140	
2-Chlorophenol	365	ND	253 J	69	30-130	
2-Methylnaphthalene	365	ND	251 J	69	40-140	
2-Methylphenol	365	ND	239 J	65	30-130	
2-Nitroaniline	365	ND	ND	0	40-140	F
2-Nitrophenol	365	ND	270 J	74	30-130	
3 & 4 Methylphenol	365	ND	251 J	69	30-130	
3,3'-Dichlorobenzidine	365	ND	ND	0	40-140	F
3-Nitroaniline	365	ND	128 J	35	40-140	F
4,6-Dinitro-2-methylphenol	365	ND	320 J	88	30-130	
4-Bromophenyl phenyl ether	365	ND	251 J	69	40-140	
4-Chloro-3-methylphenol	365	ND	237 J	65	30-130	
4-Chloroaniline	365	ND	ND	0	40-140	F
4-Chlorophenyl phenyl ether	365	ND	241 J	66	40-140	
4-Nitroaniline	365	ND	269 J	74	40-140	
4-Nitrophenol	365	ND	284 J	78	30-130	
Acenaphthene	365	ND	275 J	75	40-140	
Acenaphthylene	365	ND	241 J	66	40-140	
Acetophenone	365	ND	256 J	70	40-140	
Aniline	365	ND	ND	0	40-140	F
Anthracene	365	ND	302 J	83	40-140	
Atrazine	365	ND	344 J	94	40-140	
Azobenzene	365	ND	260 J	71	40-140	
Benzaldehyde	365	ND	487	133	40-140	
Benzo[a]anthracene	365	130 J	425	80	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10708.D

Lab ID: 360-24582-22 MS Client ID: OC-SS-416-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Benzo[a]pyrene	365	170 J	426	70	40-140	
Benzo[b]fluoranthene	365	310 J	501	51	40-140	
Benzo[g,h,i]perylene	365	160 J	350 J	53	40-140	
Benzo[k]fluoranthene	365	ND	417	114	40-140	
Benzoic acid	365	490 J	922 J	118	30-130	
Benzophenone	365	ND	259 J	71	40-140	
Benzyl alcohol	365	ND	ND	0	30-130	F
Bis(2-chloroethoxy)methane	365	ND	242 J	66	40-140	
Bis(2-chloroethyl)ether	365	ND	236 J	65	40-140	
Bis(2-ethylhexyl) phthalate	365	550	666	30	40-140	F
Butyl benzyl phthalate	365	ND	314 J	86	40-140	
Caprolactam	365	ND	271 J	74	40-140	
Carbazole	365	ND	305 J	83	40-140	
Chrysene	365	300 J	529	62	40-140	
Dibenz(a,h)anthracene	365	ND	299 J	82	40-140	
Dibenzofuran	365	ND	250 J	68	40-140	
Diethyl phthalate	365	ND	255 J	70	40-140	
Dimethyl phthalate	365	ND	289 J	79	40-140	
Di-n-butyl phthalate	365	ND	ND	0	40-140	F
Di-n-octyl phthalate	365	ND	302 J	83	40-140	
Diphenyl oxide	365	ND	270 J	74	40-140	
Fluoranthene	365	430	614	51	40-140	
Fluorene	365	210 J	416	58	40-140	
Hexachlorobenzene	365	ND	237 J	65	40-140	
Hexachlorobutadiene	365	ND	225 J	62	40-140	
Hexachlorocyclopentadiene	365	ND	267 J	73	40-140	
Hexachloroethane	365	ND	212 J	58	40-140	
Indeno[1,2,3-cd]pyrene	365	130 J	390	71	40-140	
Isophorone	365	ND	207 J	57	40-140	
Naphthalene	365	ND	244 J	67	40-140	
Nitrobenzene	365	ND	235 J	64	40-140	
N-Nitrosodimethylamine	365	ND	238 J	65	40-140	
N-Nitrosodi-n-propylamine	365	ND	250 J	68	40-140	
N-Nitrosodiphenylamine	365	ND	197 J	54	40-140	
Pentachlorophenol	365	ND	460	126	30-130	
Phenanthrene	365	150 J	390 J	67	40-140	
Phenol	365	ND	254 J	69	30-130	
Pyrene	365	340 J	561	62	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10709.D

Lab ID: 360-24582-22 MSD Client ID: OC-SS-416-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	362	253 J	70	6	30	40-140	
1,2,4,5-Tetrachlorobenzene	362	255 J	70	4	30	40-140	
1,2,4-Trichlorobenzene	362	229 J	63	4	30	40-140	
1,2-Dichlorobenzene	362	238 J	66	4	30	40-140	
1,3-Dichlorobenzene	362	209 J	58	9	30	40-140	
1,4-Dichlorobenzene	362	216 J	60	3	30	40-140	
1-Methylnaphthalene	362	246 J	68	5	30	40-140	
2,2'-oxybis[1-chloropropane]	362	248 J	69	1	30	40-140	
2,3,4,6-Tetrachlorophenol	362	260 J	72	0	30	40-140	
2,4,5-Trichlorophenol	362	267 J	74	11	30	30-130	
2,4,6-Trichlorophenol	362	260 J	72	2	30	30-130	
2,4-Dichlorophenol	362	262 J	73	5	30	30-130	
2,4-Dimethylphenol	362	258 J	71	3	30	30-130	
2,4-Dinitrophenol	362	669	185	4	30	30-130	F
2,4-Dinitrotoluene	362	236 J	65	3	30	40-140	
2,6-Dinitrotoluene	362	240 J	66	1	30	40-140	
2-Chloronaphthalene	362	193 J	53	2	30	40-140	
2-Chlorophenol	362	238 J	66	6	30	30-130	
2-Methylnaphthalene	362	253 J	70	1	30	40-140	
2-Methylphenol	362	237 J	65	1	30	30-130	
2-Nitroaniline	362	ND	0	NC	30	40-140	F
2-Nitrophenol	362	256 J	71	6	30	30-130	
3 & 4 Methylphenol	362	228 J	63	10	30	30-130	
3,3'-Dichlorobenzidine	362	ND	0	NC		40-140	F
3-Nitroaniline	362	277 J	77	74	30	40-140	F
4,6-Dinitro-2-methylphenol	362	277 J	77	14	30	30-130	
4-Bromophenyl phenyl ether	362	244 J	67	3	30	40-140	
4-Chloro-3-methylphenol	362	266 J	73	12	30	30-130	
4-Chloroaniline	362	ND	0	NC	30	40-140	F
4-Chlorophenyl phenyl ether	362	235 J	65	3	30	40-140	
4-Nitroaniline	362	251 J	69	7	30	40-140	
4-Nitrophenol	362	310 J	86	9	30	30-130	
Acenaphthene	362	270 J	75	2	30	40-140	
Acenaphthylene	362	230 J	64	5	30	40-140	
Acetophenone	362	260 J	72	2	30	40-140	
Aniline	362	ND	0	NC	30	40-140	F
Anthracene	362	303 J	84	0	30	40-140	
Atrazine	362	326 J	90	5	30	40-140	
Azobenzene	362	251 J	69	4	30	40-140	
Benzaldehyde	362	490	135	1	30	40-140	
Benzo[a]anthracene	362	414	77	3	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: B10709.D

Lab ID: 360-24582-22 MSD Client ID: OC-SS-416-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]pyrene	362	394	62	8	30	40-140	
Benzo[b]fluoranthene	362	486	47	3	30	40-140	
Benzo[g,h,i]perylene	362	352 J	54	0	30	40-140	
Benzo[k]fluoranthene	362	391	108	6	30	40-140	
Benzoic acid	362	905 J	115	2	30	30-130	
Benzophenone	362	241 J	67	7	30	40-140	
Benzyl alcohol	362	ND	0	NC	30	30-130	F
Bis(2-chloroethoxy)methane	362	227 J	63	7	30	40-140	
Bis(2-chloroethyl)ether	362	218 J	60	8	30	40-140	
Bis(2-ethylhexyl) phthalate	362	914	99	31	30	40-140	F
Butyl benzyl phthalate	362	322 J	89	2	30	40-140	
Caprolactam	362	266 J	74	2	30	40-140	
Carbazole	362	303 J	84	0	30	40-140	
Chrysene	362	526	62	1	30	40-140	
Dibenz(a,h)anthracene	362	322 J	89	7	30	40-140	
Dibenzofuran	362	244 J	67	2	30	40-140	
Diethyl phthalate	362	254 J	70	1	30	40-140	
Dimethyl phthalate	362	282 J	78	2	30	40-140	
Di-n-butyl phthalate	362	324 J	89	NC	30	40-140	
Di-n-octyl phthalate	362	289 J	80	4	30	40-140	
Diphenyl oxide	362	270 J	75	0	30	40-140	
Fluoranthene	362	614	51	0	30	40-140	
Fluorene	362	406	55	2	30	40-140	
Hexachlorobenzene	362	235 J	65	1	30	40-140	
Hexachlorobutadiene	362	214 J	59	5	30	40-140	
Hexachlorocyclopentadiene	362	236 J	65	12	30	40-140	
Hexachloroethane	362	186 J	51	13	30	40-140	
Indeno[1,2,3-cd]pyrene	362	369	66	5	30	40-140	
Isophorone	362	206 J	57	1	30	40-140	
Naphthalene	362	236 J	65	3	30	40-140	
Nitrobenzene	362	225 J	62	4	30	40-140	
N-Nitrosodimethylamine	362	212 J	59	11	30	40-140	
N-Nitrosodi-n-propylamine	362	231 J	64	8	30	40-140	
N-Nitrosodiphenylamine	362	228 J	63	15	30	40-140	
Pentachlorophenol	362	460	127	0	30	30-130	
Phenanthrene	362	390 J	67	0	30	40-140	
Phenol	362	237 J	66	7	30	30-130	
Pyrene	362	575	66	2	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10558.D Lab Sample ID: MB 360-48980/1-A

Matrix: Water Date Extracted: 09/15/2009 14:56

Instrument ID: Inst. B Date Analyzed: 09/25/2009 22:56

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48980/2-A	B10559.D	09/25/2009 23:23
	LCSD 360-48980/3-A	B10560.D	09/25/2009 23:51
OC-EBK-010	360-24582-4	B10563.D	09/26/2009 01:14

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03193.D Lab Sample ID: MB 360-49246/1-A

Matrix: Solid Date Extracted: 09/21/2009 15:30

Instrument ID: Inst. J Date Analyzed: 09/28/2009 19:32

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49246/2-A	J03194.D	09/28/2009 20:05
	LCSD 360-49246/3-A	J03195.D	09/28/2009 20:38
OC-SB-457-28/30-XXX	360-24582-1	J03204.D	09/29/2009 01:37
OC-SS-400-0.0/1.0-XXX	360-24582-5	J03205.D	09/29/2009 02:10
OC-SS-401-0.1/1.0-XXX	360-24582-6	J03206.D	09/29/2009 02:43
OC-SS-402-0.0/1.0-XXX	360-24582-7	J03207.D	09/29/2009 03:16
OC-SS-404-0.0/1.0-XXX	360-24582-9	J03208.D	09/29/2009 03:49
OC-SS-405-0.0/1.0-XXX	360-24582-10	J03209.D	09/29/2009 04:22
OC-SS-406-0.0/1.0.-XXX	360-24582-11	J03210.D	09/29/2009 04:55
OC-SS-407-0.0/1.0-XXX	360-24582-12	J03211.D	09/29/2009 05:28
OC-SS-408-0.0/1.0-XXX	360-24582-13	J03212.D	09/29/2009 06:00
OC-SS-409-0.0/1.0-XXX	360-24582-14	J03213.D	09/29/2009 06:33
OC-SS-411-0.0/1.0-XXX	360-24582-16	J03214.D	09/29/2009 07:06
OC-SS-412-0.0/1.0-XXX	360-24582-17	J03215.D	09/29/2009 07:39
OC-SS-414-0.0/1.0-XXX	360-24582-19	J03216.D	09/29/2009 08:11
OC-SS-415-0.0/1.0-XXX	360-24582-20	J03217.D	09/29/2009 08:44

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03153.D Lab Sample ID: MB 360-49302/1-A

Matrix: Solid Date Extracted: 09/22/2009 11:55

Instrument ID: Inst. J Date Analyzed: 09/26/2009 13:36

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49302/2-A	J03154.D	09/26/2009 14:09
	LCSD 360-49302/3-A	J03155.D	09/26/2009 14:41
OC-SB-457-28/30-XXX	360-24582-1	J03162.D	09/26/2009 18:29

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10631.D Lab Sample ID: MB 360-49345/1-A

Matrix: Solid Date Extracted: 09/23/2009 11:39

Instrument ID: Inst. B Date Analyzed: 09/29/2009 21:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49345/2-A	B10632.D	09/29/2009 22:16
	LCSD 360-49345/3-A	B10633.D	09/29/2009 22:44
OC-SS-416-0.0/1.0-DUP	360-24582-21	B10706.D	10/03/2009 22:23
OC-SS-416-0.0/1.0-XXX	360-24582-22	B10707.D	10/03/2009 22:51
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	B10708.D	10/03/2009 23:19
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	B10709.D	10/03/2009 23:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10545.D DFTPP Injection Date: 09/25/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:56

Analysis Batch No.: 49509

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.5	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	50.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	27.8	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	15.3	
442	Greater than 40.0 % of mass 198	93.0	
443	17.0 - 23.0 % of mass 442	18.7	(20.1)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 360-49509/2	B10546.D	09/25/2009	17:23
	STD01 360-49509/3	B10547.D	09/25/2009	17:51
	STD025 360-49509/4	B10548.D	09/25/2009	18:18
	STD05 360-49509/5	B10549.D	09/25/2009	18:46
	STD1 360-49509/6	B10550.D	09/25/2009	19:14
	STD25 360-49509/7	B10551.D	09/25/2009	19:41
	STD8 360-49509/8	B10552.D	09/25/2009	20:09
	STD10 360-49509/9	B10553.D	09/25/2009	20:37
	STD20 360-49509/10	B10554.D	09/25/2009	21:05

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10556.D DFTPP Injection Date: 09/25/2009

Instrument ID: Inst. B DFTPP Injection Time: 22:00

Analysis Batch No.: 49511

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.1	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	48.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	29.0	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	15.0	
442	Greater than 40.0 % of mass 198	95.7	
443	17.0 - 23.0 % of mass 442	18.6	(19.4)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 360-49511/13	B10557.D	09/25/2009	22:28
	MB 360-48980/1-A	B10558.D	09/25/2009	22:56
	LCS 360-48980/2-A	B10559.D	09/25/2009	23:23
	LCSD 360-48980/3-A	B10560.D	09/25/2009	23:51
OC-EBK-010	360-24582-4	B10563.D	09/26/2009	01:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10620.D DFTPP Injection Date: 09/29/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:39

Analysis Batch No.: 49685

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	42.9	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	54.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.8	
275	10.0 - 30.0 % of mass 198	29.5	
365	Greater than 1.0 % of mass 198	4.0	
441	Present but less than mass 443	16.8	
442	Greater than 40.0 % of mass 198	92.7	
443	17.0 - 23.0 % of mass 442	20.2	(21.8)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 360-49685/2	B10621.D	09/29/2009	17:07
	STD01 360-49685/3	B10622.D	09/29/2009	17:35
	STD025 360-49685/4	B10623.D	09/29/2009	18:03
	STD05 360-49685/5	B10624.D	09/29/2009	18:31
	STD1 360-49685/6	B10625.D	09/29/2009	18:59
	STD25 360-49685/7	B10626.D	09/29/2009	19:27
	STD8 360-49685/8	B10627.D	09/29/2009	19:55
	STD10 360-49685/9	B10628.D	09/29/2009	20:23
	STD20 360-49685/10	B10629.D	09/29/2009	20:52
	MB 360-49345/1-A	B10631.D	09/29/2009	21:47
	LCS 360-49345/2-A	B10632.D	09/29/2009	22:16
	LCSD 360-49345/3-A	B10633.D	09/29/2009	22:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10693a.D DFTPP Injection Date: 10/03/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:24

Analysis Batch No.: 49824

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.5	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	51.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	27.6	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	15.0	
442	Greater than 40.0 % of mass 198	89.3	
443	17.0 - 23.0 % of mass 442	17.9	(20.0)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
	STD5 360-49824/2	B10694a.D	10/03/2009	16:51
	STD01 360-49824/3	B10695a.D	10/03/2009	17:19
	STD025 360-49824/4	B10696.D	10/03/2009	17:47
	STD05 360-49824/5	B10697.D	10/03/2009	18:14
	STD1 360-49824/6	B10698.D	10/03/2009	18:42
	STD25 360-49824/7	B10699.D	10/03/2009	19:10
	STD8 360-49824/8	B10700.D	10/03/2009	19:37
	STD10 360-49824/9	B10701.D	10/03/2009	20:05
	STD20 360-49824/10	B10702.D	10/03/2009	20:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: B10704.D DFTPP Injection Date: 10/03/2009

Instrument ID: Inst. B DFTPP Injection Time: 21:28

Analysis Batch No.: 49826

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.5	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	51.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	13.9	
442	Greater than 40.0 % of mass 198	84.4	
443	17.0 - 23.0 % of mass 442	16.9	(20.0)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 360-49826/16	B10705.D	10/03/2009	21:56
OC-SS-416-0.0/1.0-DUP	360-24582-21	B10706.D	10/03/2009	22:23
OC-SS-416-0.0/1.0-XXX	360-24582-22	B10707.D	10/03/2009	22:51
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	B10708.D	10/03/2009	23:19
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	B10709.D	10/03/2009	23:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03090.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. J DFTPP Injection Time: 14:44

Analysis Batch No.: 49396

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	50.4	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	57.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	25.5	
365	Greater than 1.0 % of mass 198	4.1	
441	Present but less than mass 443	8.9	
442	Greater than 40.0 % of mass 198	63.1	
443	17.0 - 23.0 % of mass 442	12.1	(19.1)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 360-49396/2	J03091.D	09/23/2009	16:23
	STD01 360-49396/3	J03092.D	09/23/2009	16:56
	STD025 360-49396/4	J03093.D	09/23/2009	17:29
	STD05 360-49396/5	J03094.D	09/23/2009	18:02
	STD1 360-49396/6	J03095.D	09/23/2009	18:35
	STD25 360-49396/7	J03096.D	09/23/2009	19:08
	STD8 360-49396/8	J03097.D	09/23/2009	19:41
	STD10 360-49396/9	J03098.D	09/23/2009	20:14
	STD20 360-49396/10	J03099.D	09/23/2009	20:48

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03151.D DFTPP Injection Date: 09/26/2009

Instrument ID: Inst. J DFTPP Injection Time: 12:31

Analysis Batch No.: 49520

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	48.4	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	58.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	4.5	
441	Present but less than mass 443	8.9	
442	Greater than 40.0 % of mass 198	60.6	
443	17.0 - 23.0 % of mass 442	11.6	(19.1)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
	CCV 360-49520/2	J03152.D	09/26/2009	13:04
	MB 360-49302/1-A	J03153.D	09/26/2009	13:36
	LCS 360-49302/2-A	J03154.D	09/26/2009	14:09
	LCSD 360-49302/3-A	J03155.D	09/26/2009	14:41
OC-SB-457-28/30-XXX	360-24582-1	J03162.D	09/26/2009	18:29

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03182.D DFTPP Injection Date: 09/28/2009

Instrument ID: Inst. J DFTPP Injection Time: 13:30

Analysis Batch No.: 49645

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.5	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	58.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	4.7	
441	Present but less than mass 443	9.4	
442	Greater than 40.0 % of mass 198	67.6	
443	17.0 - 23.0 % of mass 442	12.6	(18.6)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
	STD5 360-49645/2	J03183.D	09/28/2009	14:03
	STD01 360-49645/3	J03184.D	09/28/2009	14:36
	STD025 360-49645/4	J03185.D	09/28/2009	15:09
	STD05 360-49645/5	J03186.D	09/28/2009	15:42
	STD1 360-49645/6	J03187.D	09/28/2009	16:14
	STD25 360-49645/7	J03188.D	09/28/2009	16:47
	STD8 360-49645/8	J03189.D	09/28/2009	17:20
	STD10 360-49645/9	J03190.D	09/28/2009	17:53
	STD20 360-49645/10	J03191.D	09/28/2009	18:26
	ICV 360-49645/11	J03192.D	09/28/2009	18:59
	MB 360-49246/1-A	J03193.D	09/28/2009	19:32
	LCS 360-49246/2-A	J03194.D	09/28/2009	20:05
	LCSD 360-49246/3-A	J03195.D	09/28/2009	20:38

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: J03196.D DFTPP Injection Date: 09/28/2009

Instrument ID: Inst. J DFTPP Injection Time: 21:11

Analysis Batch No.: 49648

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.2	
68	Less than 2.0 % of mass 69	0.1	(0.3)1
69	Mass 69 relative abundance	46.1	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	57.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	28.0	
365	Greater than 1.0 % of mass 198	5.1	
441	Present but less than mass 443	9.7	
442	Greater than 40.0 % of mass 198	68.4	
443	17.0 - 23.0 % of mass 442	12.6	(18.4)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 360-49648/16	J03197.D	09/28/2009	21:45
OC-SB-457-28/30-XXX	360-24582-1	J03204.D	09/29/2009	01:37
OC-SS-400-0.0/1.0-XXX	360-24582-5	J03205.D	09/29/2009	02:10
OC-SS-401-0.1/1.0-XXX	360-24582-6	J03206.D	09/29/2009	02:43
OC-SS-402-0.0/1.0-XXX	360-24582-7	J03207.D	09/29/2009	03:16
OC-SS-404-0.0/1.0-XXX	360-24582-9	J03208.D	09/29/2009	03:49
OC-SS-405-0.0/1.0-XXX	360-24582-10	J03209.D	09/29/2009	04:22
OC-SS-406-0.0/1.0.-XXX	360-24582-11	J03210.D	09/29/2009	04:55
OC-SS-407-0.0/1.0-XXX	360-24582-12	J03211.D	09/29/2009	05:28
OC-SS-408-0.0/1.0-XXX	360-24582-13	J03212.D	09/29/2009	06:00
OC-SS-409-0.0/1.0-XXX	360-24582-14	J03213.D	09/29/2009	06:33
OC-SS-411-0.0/1.0-XXX	360-24582-16	J03214.D	09/29/2009	07:06
OC-SS-412-0.0/1.0-XXX	360-24582-17	J03215.D	09/29/2009	07:39
OC-SS-414-0.0/1.0-XXX	360-24582-19	J03216.D	09/29/2009	08:11
OC-SS-415-0.0/1.0-XXX	360-24582-20	J03217.D	09/29/2009	08:44

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49511/13 Date Analyzed: 09/25/2009 22:28

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10557.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		417506	7.25	1006123	8.39	366361	9.88
UPPER LIMIT		835012	7.75	2012246	8.89	732722	10.38
LOWER LIMIT		208753	6.75	503062	7.89	183181	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48980/1-A		331274	7.25	763781	8.39	360857	9.88
LCS 360-48980/2-A		435315	7.26	1109273	8.39	385587	9.88
LCSD 360-48980/3-A		465155	7.25	1180461	8.39	387971	9.88
360-24582-4	OC-EBK-010	324861	7.25	760649	8.38	351333	9.88

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49511/13 Date Analyzed: 09/25/2009 22:28

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10557.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		599081	11.13	445700	14.04	321419	16.53
UPPER LIMIT		1198162	11.63	891400	14.54	642838	17.03
LOWER LIMIT		299541	10.63	222850	13.54	160710	16.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48980/1-A		575276	11.13	399423	14.04	293965	16.53
LCS 360-48980/2-A		612600	11.14	473600	14.05	333621	16.53
LCSD 360-48980/3-A		640513	11.13	527464	14.05	377379	16.53
360-24582-4	OC-EBK-010	570896	11.14	380186	14.04	258812	16.53

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49826/16 Date Analyzed: 10/03/2009 21:56

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10705.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		282905	6.63	526775	7.78	226893	9.26
UPPER LIMIT		565810	7.13	1053550	8.28	453786	9.76
LOWER LIMIT		141453	6.13	263388	7.28	113447	8.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24582-21	OC-SS-416-0.0/1.0-DUP	198343	6.63	479487	7.78	230143	9.26
360-24582-22	OC-SS-416-0.0/1.0-XXX	197869	6.63	453747	7.78	203008	9.26
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	215655	6.63	493947	7.78	231945	9.26
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	203746	6.63	463712	7.78	222007	9.26

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49826/16 Date Analyzed: 10/03/2009 21:56

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10705.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		332851	10.50	227995	12.90	157060	15.43
UPPER LIMIT		665702	11.00	455990	13.40	314120	15.93
LOWER LIMIT		166426	10.00	113998	12.40	78530	14.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24582-21	OC-SS-416-0.0/1.0-DUP	390015	10.49	300773	12.90	189927	15.44
360-24582-22	OC-SS-416-0.0/1.0-XXX	291167	10.50	185421	12.90	131935	15.44
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	341109	10.50	232849	12.90	163287	15.44
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	326459	10.50	221093	12.90	155861	15.44

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49520/2 Date Analyzed: 09/26/2009 13:04

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03152.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		86809	8.24	184885	9.55	96948	11.35
UPPER LIMIT		173618	8.74	369770	10.05	193896	11.85
LOWER LIMIT		43405	7.74	92443	9.05	48474	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49302/1-A		93230	8.24	240681	9.55	124482	11.35
LCS 360-49302/2-A		121203	8.24	231740	9.55	125503	11.34
LCSD 360-49302/3-A		100583	8.24	194012	9.55	101749	11.35
360-24582-1	OC-SB-457-28/30-XXX	75112	8.24	191671	9.55	99679	11.34

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49520/2 Date Analyzed: 09/26/2009 13:04

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03152.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		157073	12.84	93401	15.62	61272	17.34
UPPER LIMIT		314146	13.34	186802	16.12	122544	17.84
LOWER LIMIT		78537	12.34	46701	15.12	30636	16.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49302/1-A		212024	12.83	143816	15.62	113412	17.34
LCS 360-49302/2-A		217829	12.84	177531	15.62	146996*	17.34
LCSD 360-49302/3-A		170462	12.83	106647	15.62	69045	17.34
360-24582-1	OC-SB-457-28/30-XXX	161800	12.83	75277	15.62	43071	17.34

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49648/16 Date Analyzed: 09/28/2009 21:45

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03197.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		72761	8.04	156784	9.35	81564	11.13
UPPER LIMIT		145522	8.54	313568	9.85	163128	11.63
LOWER LIMIT		36381	7.54	78392	8.85	40782	10.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24582-1	OC-SB-457-28/30-XXX	70905	8.03	153251	9.35	84305	11.14
360-24582-5	OC-SS-400-0.0/1.0-XXX	56212	8.03	141028	9.35	72973	11.13
360-24582-6	OC-SS-401-0.1/1.0-XXX	60162	8.03	146784	9.35	76575	11.13
360-24582-7	OC-SS-402-0.0/1.0-XXX	57215	8.03	138771	9.35	73008	11.13
360-24582-9	OC-SS-404-0.0/1.0-XXX	59091	8.03	146711	9.35	78785	11.14
360-24582-10	OC-SS-405-0.0/1.0-XXX	62242	8.04	153777	9.35	80993	11.13
360-24582-11	OC-SS-406-0.0/1.0. -XXX	57261	8.04	142335	9.35	76089	11.13
360-24582-12	OC-SS-407-0.0/1.0-XXX	53887	8.03	133956	9.35	70130	11.13
360-24582-13	OC-SS-408-0.0/1.0-XXX	51707	8.03	129272	9.35	68037	11.14
360-24582-14	OC-SS-409-0.0/1.0-XXX	52330	8.04	132041	9.35	70827	11.13
360-24582-16	OC-SS-411-0.0/1.0-XXX	60349	8.03	151301	9.35	79942	11.13
360-24582-17	OC-SS-412-0.0/1.0-XXX	54059	8.04	134920	9.35	72424	11.13
360-24582-19	OC-SS-414-0.0/1.0-XXX	54116	8.03	136443	9.35	70426	11.14
360-24582-20	OC-SS-415-0.0/1.0-XXX	53046	8.04	132948	9.35	70130	11.14

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Sample No.: CCV 360-49648/16 Date Analyzed: 09/28/2009 21:45

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03197.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		135500	12.62	103487	15.38	56150	17.01
UPPER LIMIT		271000	13.12	206974	15.88	112300	17.51
LOWER LIMIT		67750	12.12	51744	14.88	28075	16.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24582-1	OC-SB-457-28/30-XXX	147699	12.62	109819	15.38	76645	17.01
360-24582-5	OC-SS-400-0.0/1.0-XXX	123473	12.62	78108	15.38	50158	17.02
360-24582-6	OC-SS-401-0.1/1.0-XXX	130119	12.62	77397	15.38	48310	17.02
360-24582-7	OC-SS-402-0.0/1.0-XXX	120436	12.62	74522	15.38	48645	17.02
360-24582-9	OC-SS-404-0.0/1.0-XXX	132049	12.62	76013	15.38	43000	17.02
360-24582-10	OC-SS-405-0.0/1.0-XXX	138714	12.62	76140	15.38	43043	17.01
360-24582-11	OC-SS-406-0.0/1.0. -XXX	125124	12.62	79890	15.38	59230	17.01
360-24582-12	OC-SS-407-0.0/1.0-XXX	111719	12.62	64800	15.38	50418	17.02
360-24582-13	OC-SS-408-0.0/1.0-XXX	104281	12.62	53898	15.38	42151	17.02
360-24582-14	OC-SS-409-0.0/1.0-XXX	119061	12.62	81240	15.38	60668	17.02
360-24582-16	OC-SS-411-0.0/1.0-XXX	130091	12.62	69750	15.38	47923	17.02
360-24582-17	OC-SS-412-0.0/1.0-XXX	111031	12.62	56255	15.38	40679	17.02
360-24582-19	OC-SS-414-0.0/1.0-XXX	111412	12.62	60086	15.38	44964	17.02
360-24582-20	OC-SS-415-0.0/1.0-XXX	100832	12.62	49203*	15.38	36466	17.02

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: J03162.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 11:30

Extract. Method: 3550B | Date Extracted: 09/22/2009 11:55

Sample wt/vol: 100.88(g) | Date Analyzed: 09/26/2009 18:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49520 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		6.4	1.5

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	73	30-130	
321-60-8	2-Fluorobiphenyl	59	30-130	
367-12-4	2-Fluorophenol	57	30-130	
4165-60-0	Nitrobenzene-d5	53	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	95	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03162.D		
Lims ID:	360-24582-A-1-D	Client ID:	OC-SB-457-28/30-XXX
Inject. Date:	26-Sep-2009 18:29:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24582-1		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49520	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	27-Sep-2009 10:55:06

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.237	8.239	-0.002	75112	2.00	
* 2 Naphthalene-d8	136	9.550	9.552	-0.002	191671	2.00	
* 3 Acenaphthene-d10	164	11.344	11.345	-0.001	99679	2.00	
* 4 Phenanthrene-d10	188	12.834	12.836	-0.002	161800	2.00	
* 5 Chrysene-d12	240	15.619	15.620	-0.001	75277	2.00	
* 6 Perylene-d12	264	17.340	17.337	0.003	43071	2.00	
$ 7 2-Fluorophenol	112	6.895	6.892	0.003	134588	5.72	
$ 8 Phenol-d5	99	7.876	7.873	0.003	188522	6.53	
$ 9 Nitrobenzene-d5	82	8.838	8.840	-0.002	79627	2.67	
$ 10 2-Fluorobiphenyl	172	10.627	10.629	-0.002	196059	2.96	
$ 11 2,4,6-Tribromophenol	330	12.147	12.148	-0.001	50463	7.30	
$ 12 Terphenyl-d14	244	14.421	14.418	0.003	148439	4.74	
17 Benzaldehyde	105	7.804	7.806	-0.002	1197	0.0752	
18 Phenol	94	7.886	7.888	-0.002	6381	0.2070	
19 Aniline	93	7.949	7.945	0.004	1400	0.0391	
20 Bis(2-chloroethyl)ether	93	7.949	7.984	-0.035	1400	0.0544	
22 1,4-Dichlorobenzene	146	8.199	8.205	-0.006	839	0.0288	
23 1,3-Dichlorobenzene	146	8.256	8.258	-0.002	469	0.0156	
24 Benzyl alcohol	79	8.386	8.383	0.003	1808	0.0906	
25 1,2-Dichlorobenzene	146	8.453	8.455	-0.002	613	0.0217	
26 2-Methylphenol	108	8.386	8.498	-0.112	1189	0.0535	
27 2,2'-oxybis[1-chloropropane]	45	8.530	8.527	0.003	647	0.0261	
28 3 & 4 Methylphenol	108	8.713	8.638	0.075	686	0.0297	
30 Acetophenone	105	8.670	8.667	0.003	929	0.0286	
29 N-Nitrosodi-n-propylamine	70	8.728	8.672	0.056	341	0.0204	
31 Hexachloroethane	117	8.771	8.768	0.003	339	0.0330	
32 Nitrobenzene	77	8.838	8.859	-0.021	882	0.0292	

Report Date: 27-Sep-2009 10:55:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03162.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
13 Benzophenone	105	8.853	8.998	-0.145	118		
35 2,4-Dimethylphenol	107	9.122	9.172	-0.050	410	0.0155	
34 2-Nitrophenol	139	9.295	9.181	0.114	87	0.0882	
37 Bis(2-chloroethoxy)methane	93	9.242	9.273	-0.031	1116	0.0341	
39 1,2,4-Trichlorobenzene	180	9.497	9.499	-0.002	1334	0.0507	
41 Naphthalene	128	9.574	9.571	0.003	995	0.0114	
42 4-Chloroaniline	127	9.617	9.633	-0.016	540	0.0168	
44 Caprolactam	55	9.939	9.936	0.003	1167	0.2401	
49 1,2,4,5-Tetrachlorobenzene	216	10.459	10.470	-0.011	1051	0.0501	
52 1,1'-Biphenyl	154	10.723	10.725	-0.002	262	0.003749	7
55 2-Nitroaniline	65	10.964	10.888	0.076	141	0.0893	
57 2,6-Dinitrotoluene	165	11.170	11.153	0.017	261	0.0643	
62 4-Nitrophenol	109	11.420	11.422	-0.002	153	0.4820	
66 Diethyl phthalate	149	11.743	11.744	-0.001	6406	0.1058	
72 N-Nitrosodiphenylamine	169	11.973	11.970	0.003	1911	0.0379	
71 Diphenylamine	169	11.973	11.970	0.003	1911	0.0379	
74 Azobenzene	77	12.036	12.004	0.032	1136	0.0188	
77 Atrazine	200	12.551	12.499	0.052	71	0.005073	7
81 Anthracene	178	12.858	12.860	-0.002	1626	0.0217	
80 Phenanthrene	178	12.858	12.903	-0.045	1626	0.0195	
84 Di-n-butyl phthalate	149	13.354	13.355	-0.001	96701	1.00	
87 Fluoranthene	202	14.070	14.072	-0.002	1943	0.0251	
85 Pyrene	202	14.070	14.072	-0.002	1943	0.0401	
89 Butyl benzyl phthalate	149	14.916	14.918	-0.002	6993	0.3169	
92 Bis(2-ethylhexyl) phthalate	149	15.498	15.500	-0.002	389304	11.7	
91 3,3'-Dichlorobenzidine	252	15.551	15.548	0.003	446	0.1046	
93 Benzo[a]anthracene	228	15.595	15.596	-0.002	1678	0.0507	
94 Chrysene	228	15.647	15.649	-0.002	1727	0.0516	
95 Di-n-octyl phthalate	149	16.148	16.144	0.004	2279	0.4858	
99 Benzo[a]pyrene	252	17.138	17.265	-0.127	13233	0.7876	
101 Dibenz(a,h)anthracene	278	19.004	19.006	-0.002	3053	0.5885	
100 Indeno[1,2,3-cd]pyrene	276	19.023	19.015	0.008	3643	0.8507	
102 Benzo[g,h,i]perylene	276	19.538	19.530	0.008	3518	0.7793	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 27-Sep-2009 10:55:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03162.D

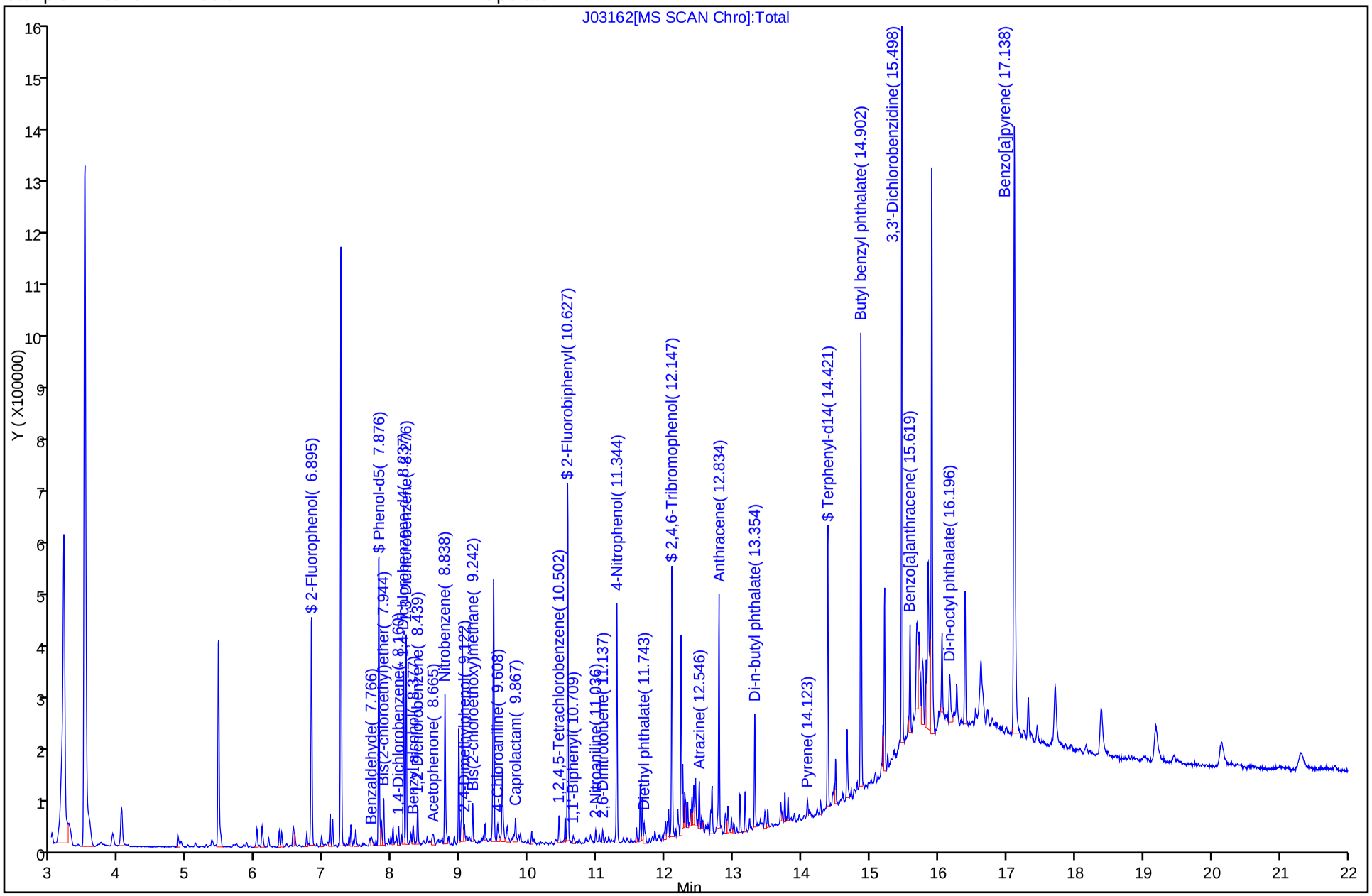
Inj Date: 26-Sep-2009 18:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 12

Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

Sample Info: 24582-1

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: J03204.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 11:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 01:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		42	13
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	13
120-82-1	1,2,4-Trichlorobenzene	ND		42	13
95-50-1	1,2-Dichlorobenzene	ND		42	13
541-73-1	1,3-Dichlorobenzene	ND		42	13
106-46-7	1,4-Dichlorobenzene	ND		42	13
90-12-0	1-Methylnaphthalene	ND		42	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	13
95-95-4	2,4,5-Trichlorophenol	ND		42	13
88-06-2	2,4,6-Trichlorophenol	ND		42	13
120-83-2	2,4-Dichlorophenol	ND	*	42	13
105-67-9	2,4-Dimethylphenol	ND		42	17
51-28-5	2,4-Dinitrophenol	ND		42	13
121-14-2	2,4-Dinitrotoluene	ND		42	13
606-20-2	2,6-Dinitrotoluene	ND		42	13
91-58-7	2-Chloronaphthalene	ND		42	13
95-57-8	2-Chlorophenol	ND		42	13
91-57-6	2-Methylnaphthalene	ND		42	13
95-48-7	2-Methylphenol	ND		42	25
88-74-4	2-Nitroaniline	ND		210	13
88-75-5	2-Nitrophenol	ND		42	13
15831-10-4	3 & 4 Methylphenol	ND		42	13
91-94-1	3,3'-Dichlorobenzidine	ND		85	13
99-09-2	3-Nitroaniline	ND		210	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	13
101-55-3	4-Bromophenyl phenyl ether	ND		42	13
59-50-7	4-Chloro-3-methylphenol	ND		85	13
106-47-8	4-Chloroaniline	ND		85	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	13
100-01-6	4-Nitroaniline	ND		210	13
100-02-7	4-Nitrophenol	ND		210	13
83-32-9	Acenaphthene	ND		42	13
208-96-8	Acenaphthylene	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: J03204.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 11:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 01:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		42	13
62-53-3	Aniline	ND	*	42	13
120-12-7	Anthracene	ND		42	13
1912-24-9	Atrazine	ND		42	13
103-33-3	Azobenzene	ND		42	13
100-52-7	Benzaldehyde	ND		42	13
56-55-3	Benzo[a]anthracene	ND		42	13
50-32-8	Benzo[a]pyrene	ND		42	13
205-99-2	Benzo[b]fluoranthene	ND		42	13
191-24-2	Benzo[g,h,i]perylene	ND		42	13
207-08-9	Benzo[k]fluoranthene	ND		42	13
65-85-0	Benzoic acid	ND		210	19
119-61-9	Benzophenone	ND		42	13
100-51-6	Benzyl alcohol	ND		85	36
111-91-1	Bis(2-chloroethoxy)methane	ND		42	13
111-44-4	Bis(2-chloroethyl)ether	ND		42	13
117-81-7	Bis(2-ethylhexyl) phthalate	75	B	42	13
85-68-7	Butyl benzyl phthalate	ND		42	13
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	13
218-01-9	Chrysene	ND		42	13
53-70-3	Dibenz(a,h)anthracene	ND		42	13
132-64-9	Dibenzofuran	ND		42	13
84-66-2	Diethyl phthalate	ND		42	13
131-11-3	Dimethyl phthalate	ND		42	13
84-74-2	Di-n-butyl phthalate	ND		42	37
117-84-0	Di-n-octyl phthalate	ND		42	21
101-84-8	Diphenyl oxide	ND		42	13
122-39-4	Diphenylamine	ND		42	13
206-44-0	Fluoranthene	ND		42	13
86-73-7	Fluorene	ND		42	13
118-74-1	Hexachlorobenzene	ND		42	13
87-68-3	Hexachlorobutadiene	ND		42	13
77-47-4	Hexachlorocyclopentadiene	ND		85	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: J03204.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 11:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 01:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		42	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	42	13
78-59-1	Isophorone	ND		42	13
91-20-3	Naphthalene	ND		100	13
98-95-3	Nitrobenzene	ND		42	13
62-75-9	N-Nitrosodimethylamine	ND		42	15
621-64-7	N-Nitrosodi-n-propylamine	ND		42	13
86-30-6	N-Nitrosodiphenylamine	ND		42	13
87-86-5	Pentachlorophenol	ND		42	13
85-01-8	Phenanthrene	ND		51	13
108-95-2	Phenol	ND		42	13
129-00-0	Pyrene	ND		42	13

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
367-12-4	2-Fluorophenol	64	30-130	
321-60-8	2-Fluorobiphenyl	58	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	58	30-130	
1718-51-0	Terphenyl-d14	63	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: J03204.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 11:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 01:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 216.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
763-93-9	3-Hexen-2-one	5.71	15	T J N
104-76-7	1-Hexanol, 2-ethyl-	8.09	18	T J N
110-20-3	Hydrazinecarboxamide, 2-(1-methylethylid	9.89	11	T J N
615-58-7	Phenol, 2,4-dibromo-	10.54	8.7	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	15	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.72	9.2	T J N
7683-64-9	Squalene	16.19	140	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D		
Lims ID:	360-24582-A-1-C	Client ID:	OC-SB-457-28/30-XXX
Inject. Date:	29-Sep-2009 01:37:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-1-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49648	Lims Sample ID:	23
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:50:39	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 08:50:39

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.036	-0.002	70905	2.00	
* 2 Naphthalene-d8	136	9.347	9.349	-0.002	153251	2.00	
* 3 Acenaphthene-d10	164	11.136	11.133	0.003	84305	2.00	
* 4 Phenanthrene-d10	188	12.617	12.619	-0.002	147699	2.00	
* 5 Chrysene-d12	240	15.377	15.379	-0.002	109819	2.00	
* 6 Perylene-d12	264	17.012	17.014	-0.002	76645	2.00	
$ 7 2-Fluorophenol	112	6.692	6.685	0.007	134246	6.40	
$ 8 Phenol-d5	99	7.688	7.680	0.008	143909	5.80	
$ 9 Nitrobenzene-d5	82	8.635	8.637	-0.002	69353	3.22	
$ 10 2-Fluorobiphenyl	172	10.424	10.426	-0.002	140202	2.88	
$ 11 2,4,6-Tribromophenol	330	11.934	11.936	-0.002	39042	6.78	
$ 12 Terphenyl-d14	244	14.199	14.201	-0.002	124968	3.16	
66 Diethyl phthalate	149	11.545	11.547	-0.002	805	0.0168	
84 Di-n-butyl phthalate	149	13.155	13.153	0.002	12007	0.1557	
92 Bis(2-ethylhexyl) phthalate	149	15.281	15.283	-0.002	69367	1.78	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D		
Lims ID:	360-24582-A-1-C	Client ID:	OC-SB-457-28/30-XXX
Inject. Date:	29-Sep-2009 01:37:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-1-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49648	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:50:39	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:50:39

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	11.756	542	0.0107	
Benzidine	13.805	219	0.8928	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
763-93-9	3-Hexen-2-one					
5.707	52430	0.3620	1	90	116424	
104-76-7	1-Hexanol, 2-ethyl-					
8.092	60252	0.4160	1	90	112165	
110-20-3	Hydrazinecarboxamide, 2-(1-methylethylid					
9.885	41815	0.2514	2	87	24927	
615-58-7	Phenol, 2,4-dibromo-					
10.544	40222	0.2046	3	94	93365	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.242	70651	0.3572	4	94	87885	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
12.723	43118	0.2180	4	96	64461	
7683-64-9	Squalene					
16.190	515408	3.36	5	98	114263	

Report Date: 30-Sep-2009 08:50:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D
Quantitation Compounds

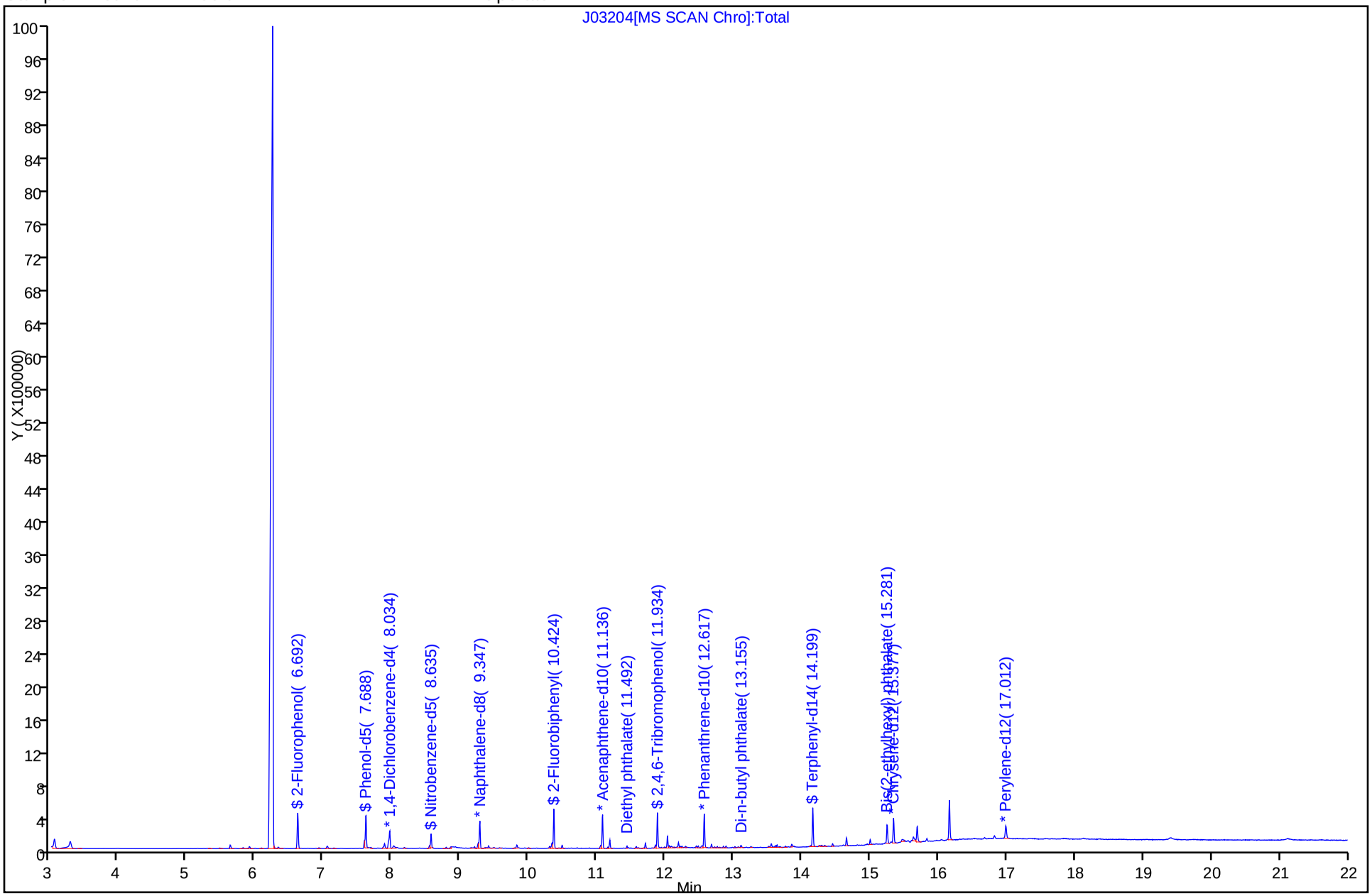
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.034	289643	2.00
* 2 Naphthalene-d8	9.347	332631	2.00
* 3 Acenaphthene-d10	11.136	393091	2.00
* 4 Phenanthrene-d10	12.617	395616	2.00
* 5 Chrysene-d12	15.377	307236	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 08:50:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D		
Inj Date:	29-Sep-2009 01:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	23
Client ID:	OC-SB-457-28/30-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-1-c		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

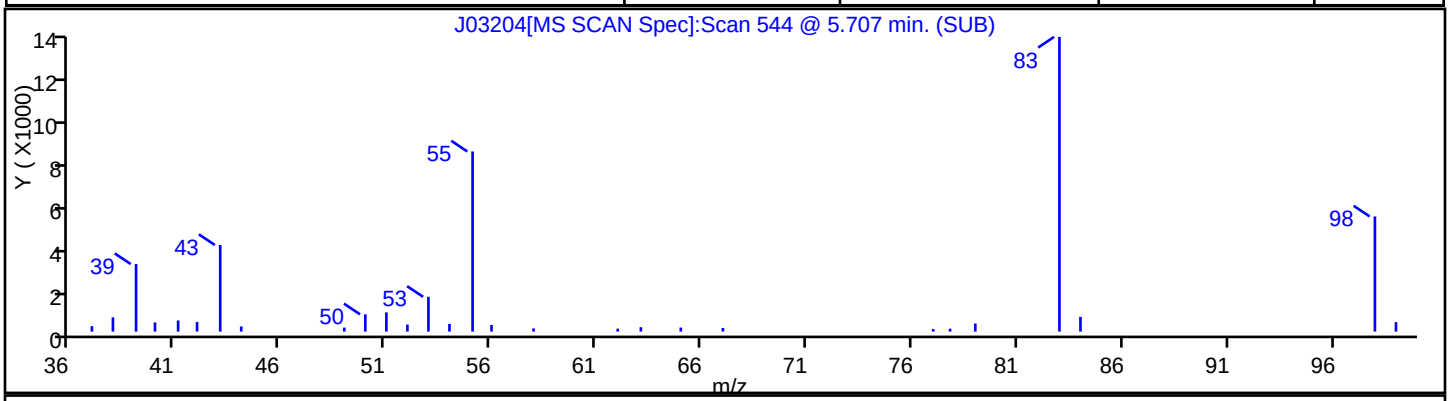
Lims Batch ID: 49648 Lims Sample ID: 23

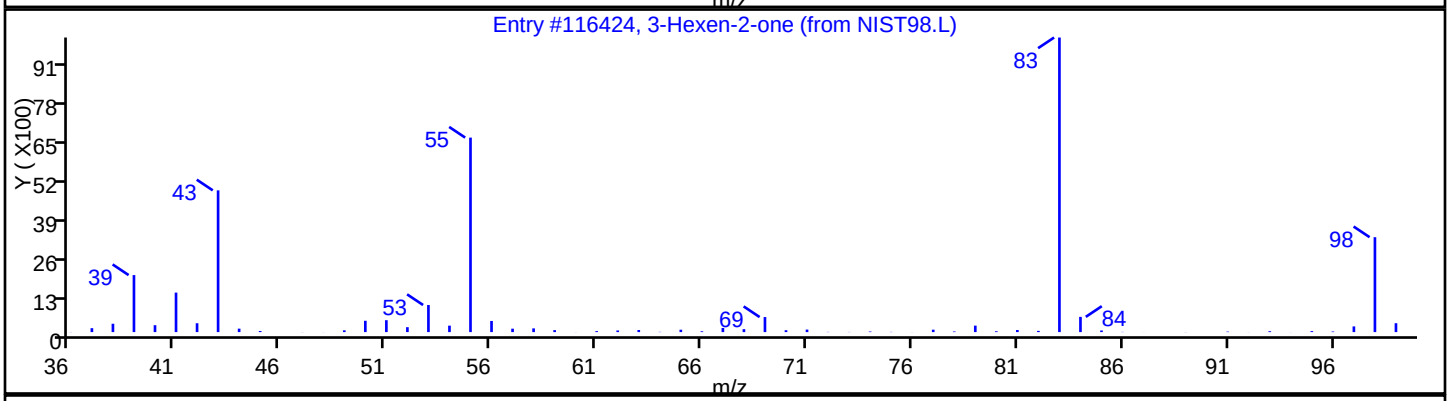
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

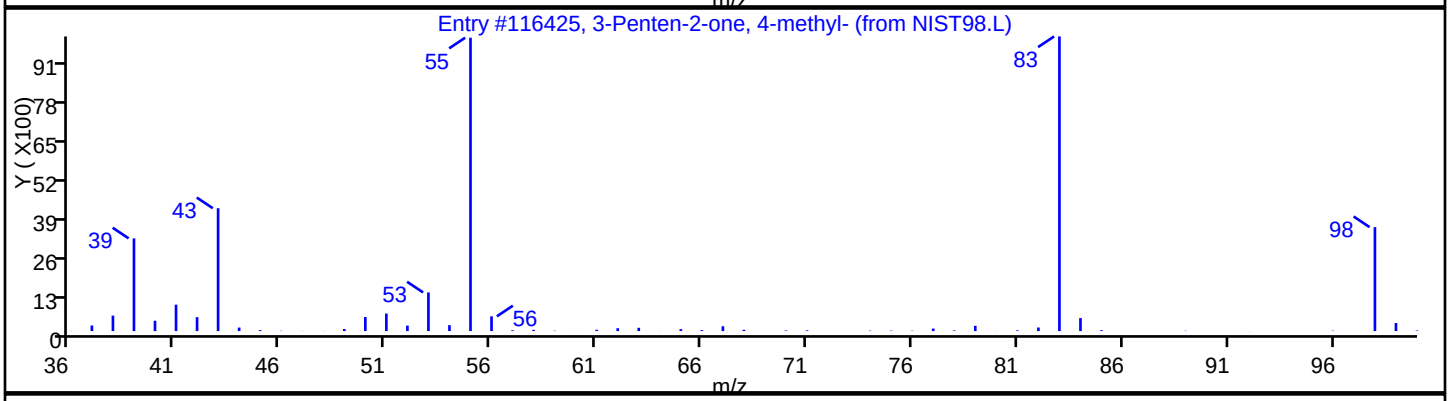
Sample Info: 360-24582-a-1-c

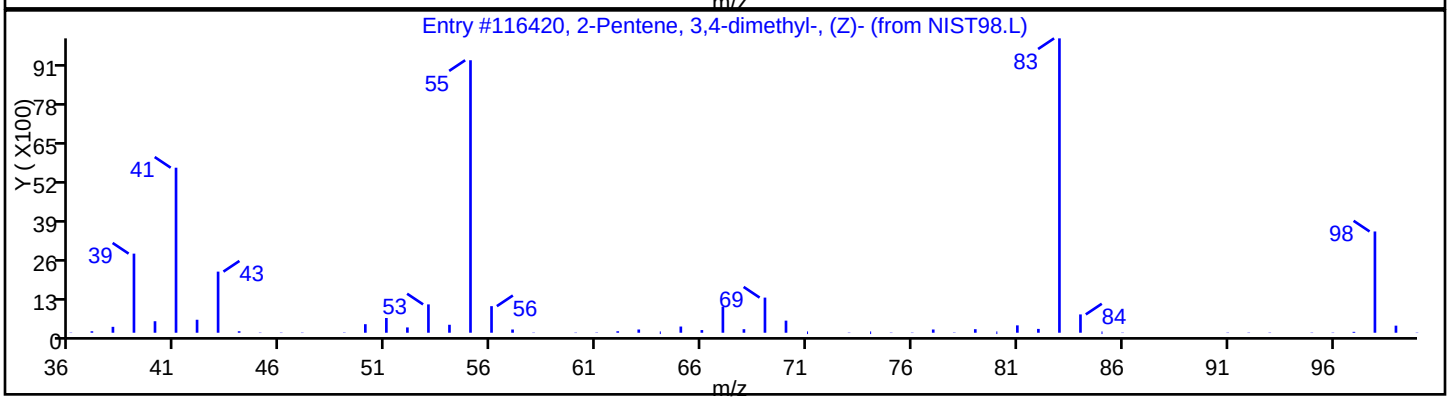
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Hexen-2-one	763-93-9	NIST98.L	116424	90
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	116425	87
2-Pentene, 3,4-dimethyl-, (Z)-	4914-91-4	NIST98.L	116420	80









Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

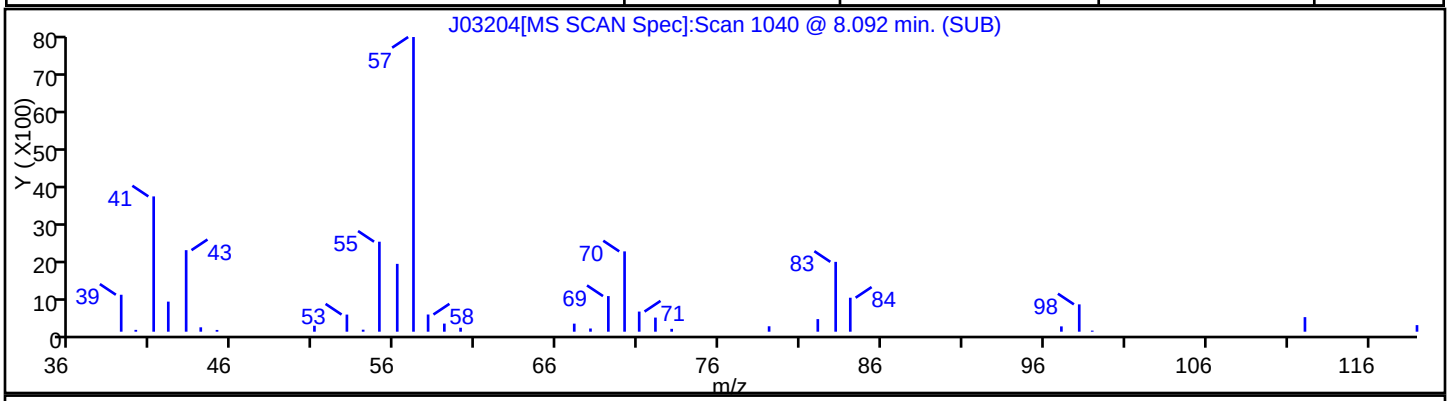
Lims Batch ID: 49648 Lims Sample ID: 23

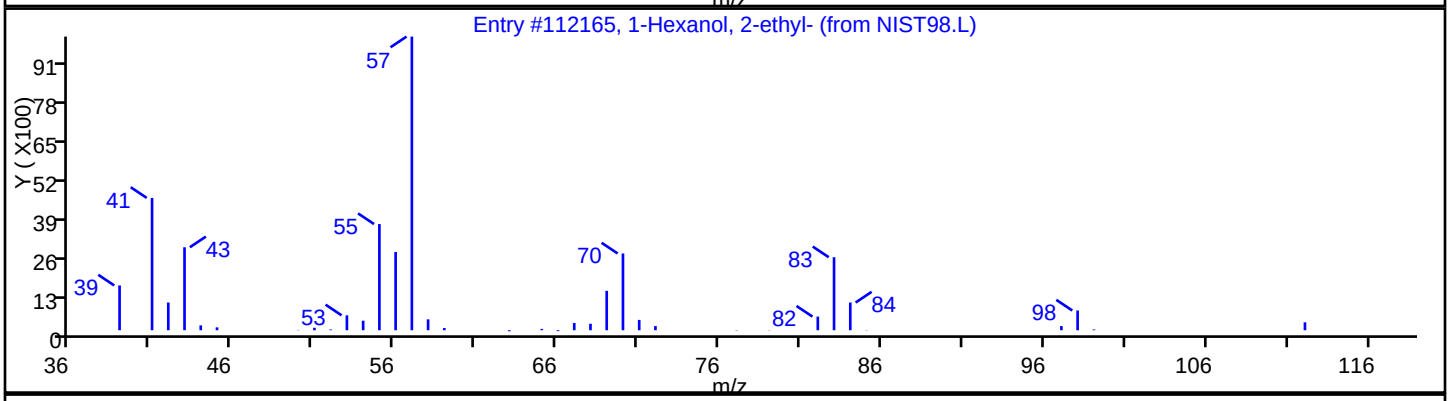
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

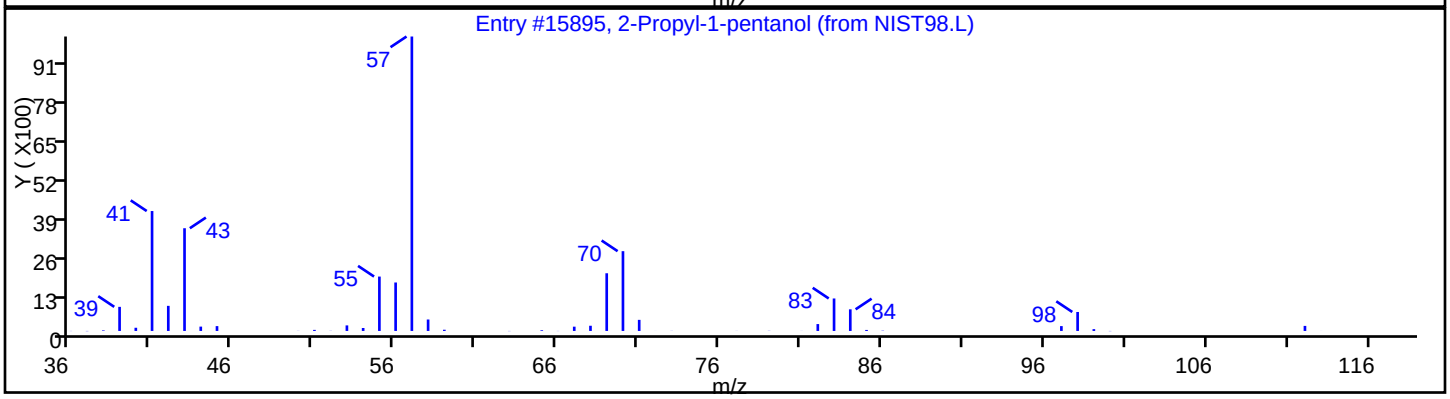
Sample Info: 360-24582-a-1-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Hexanol, 2-ethyl-	104-76-7	NIST98.L	112165	90
2-Propyl-1-pentanol	58175-57-8	NIST98.L	15895	59







Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

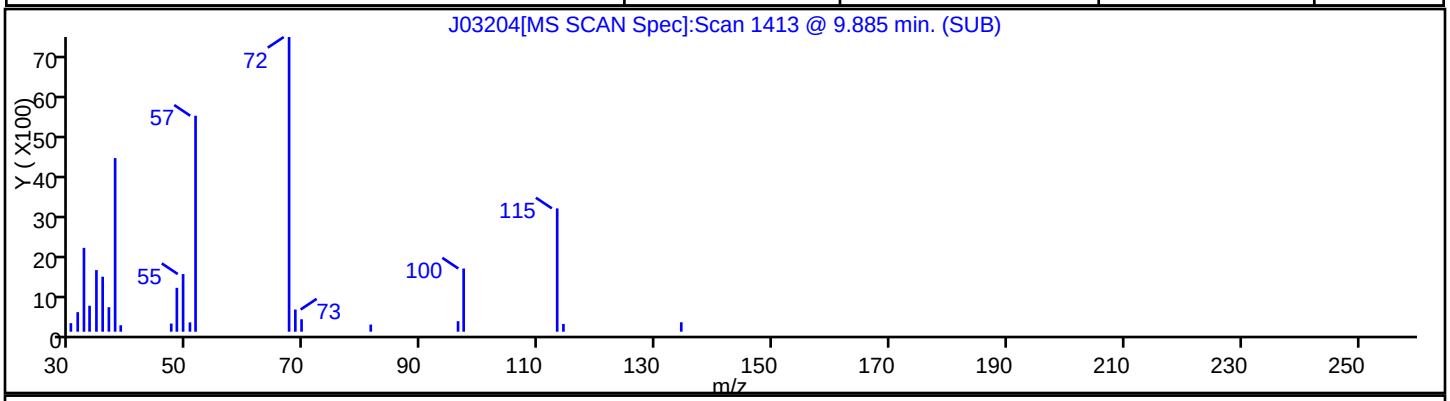
Lims Batch ID: 49648 Lims Sample ID: 23

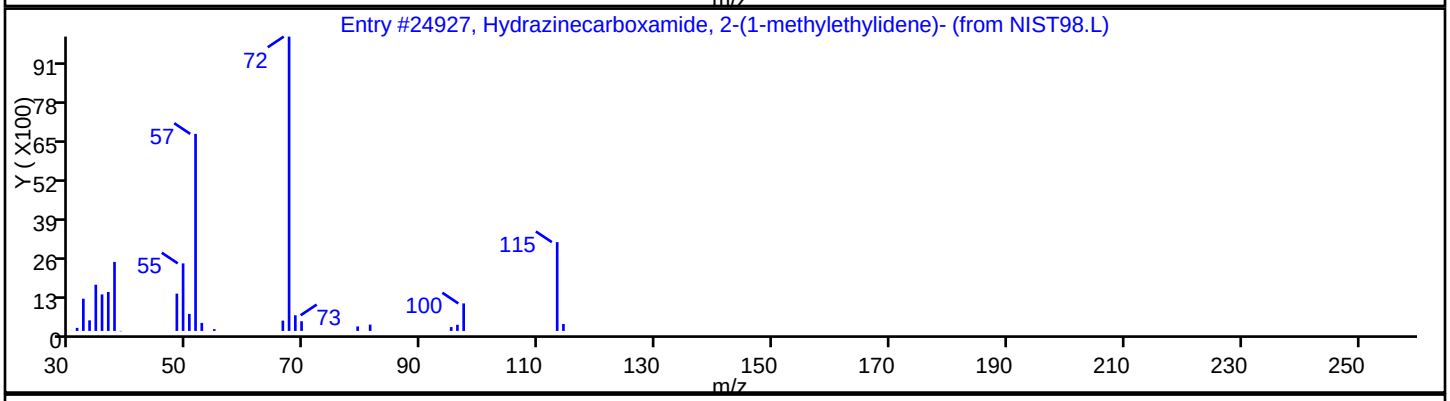
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

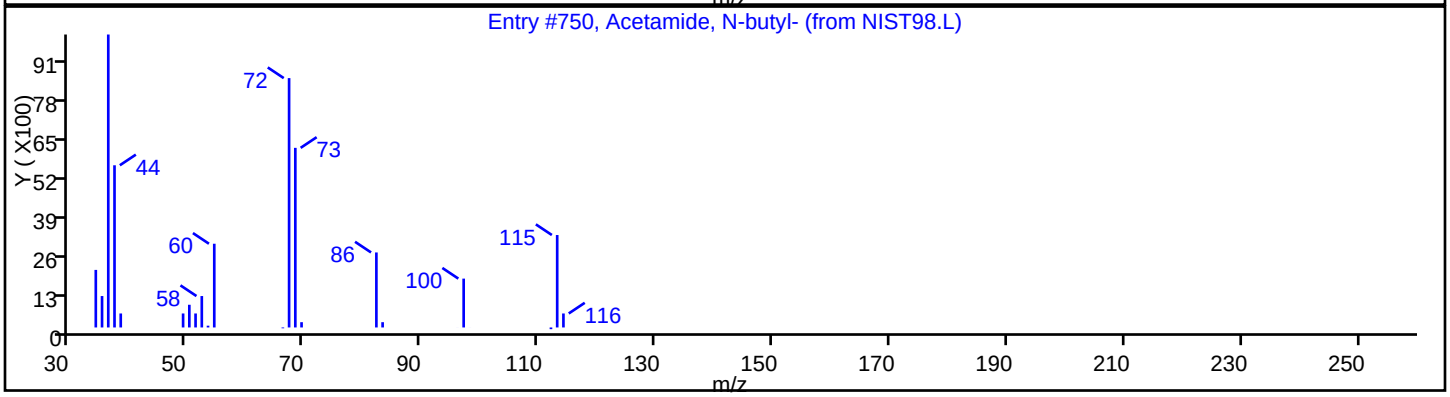
Sample Info: 360-24582-a-1-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hydrazinecarboxamide, 2-(1-methylethylid	110-20-3	NIST98.L	24927	87
Acetamide, N-butyl-	1119-49-9	NIST98.L	750	50







Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

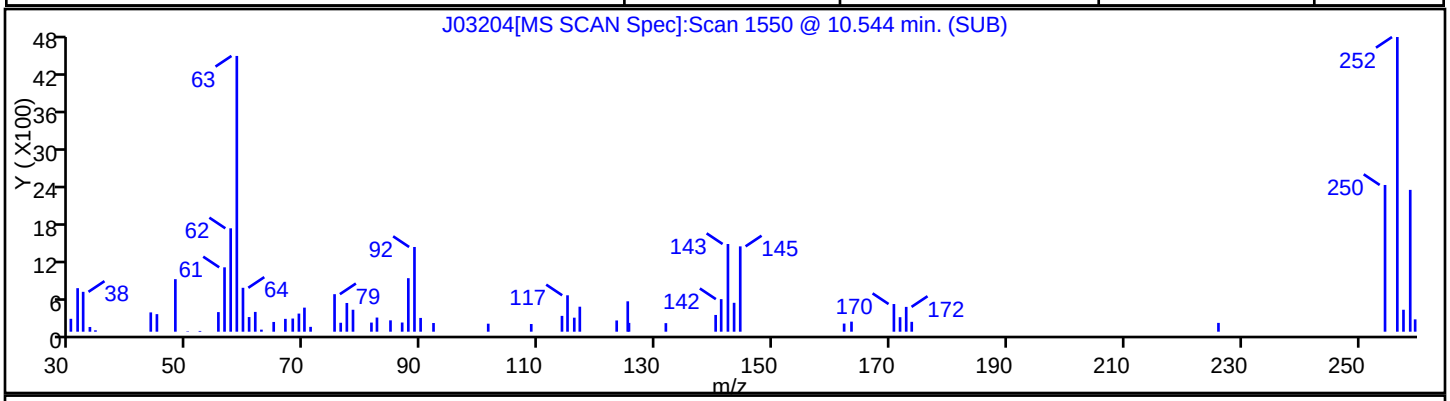
Lims Batch ID: 49648 Lims Sample ID: 23

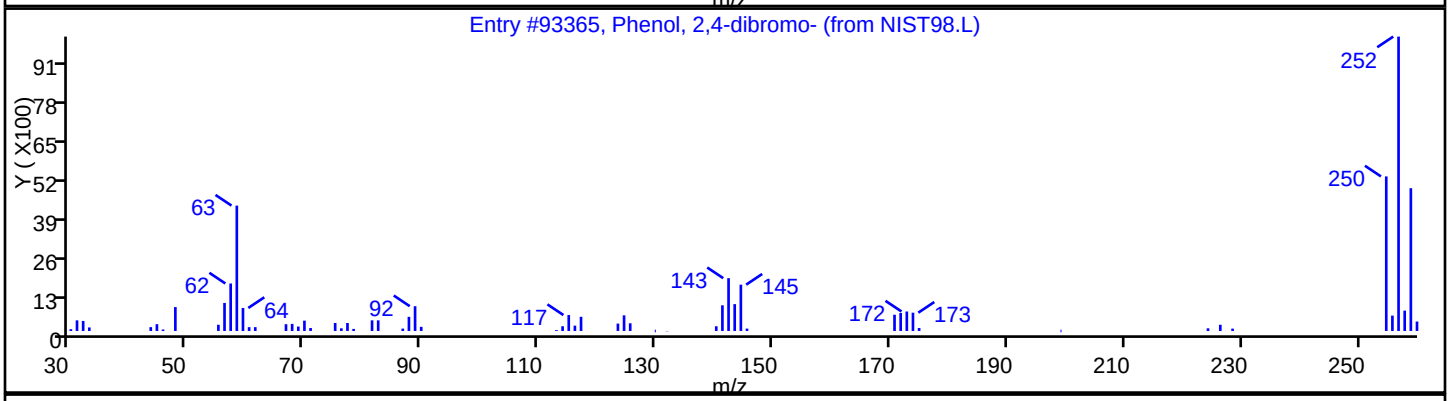
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

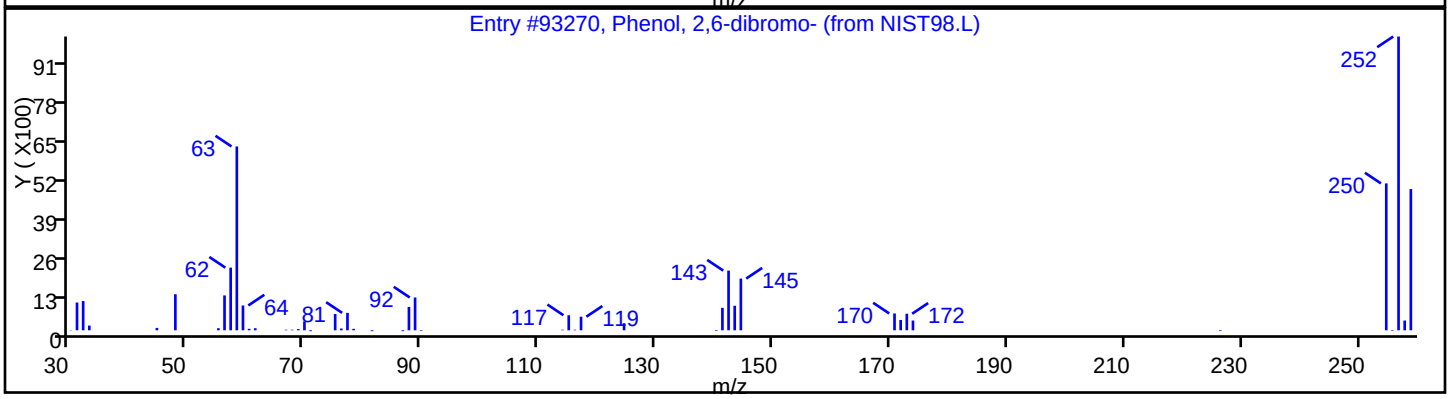
Sample Info: 360-24582-a-1-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2,4-dibromo-	615-58-7	NIST98.L	93365	94
Phenol, 2,6-dibromo-	608-33-3	NIST98.L	93270	92



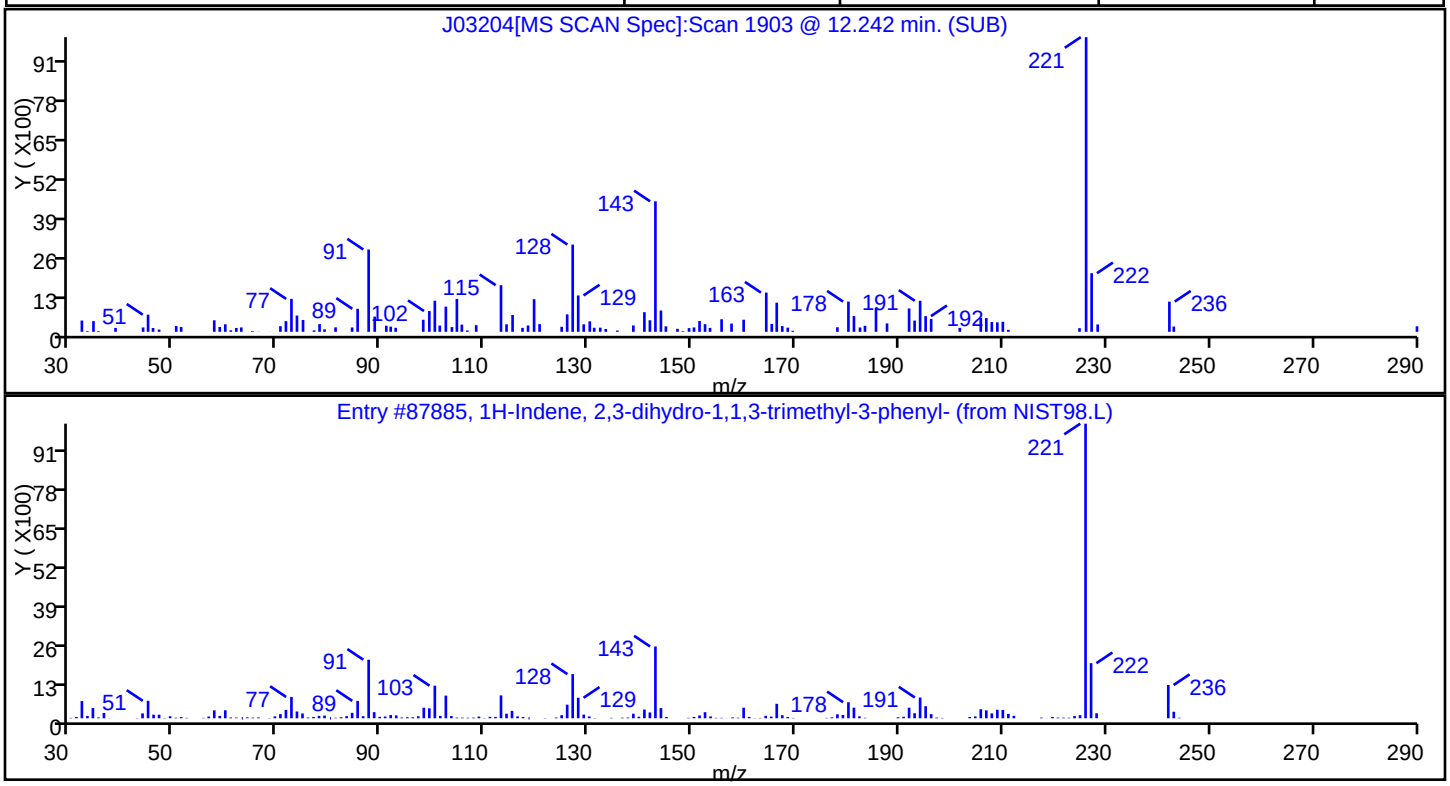




Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D		
Inj Date:	29-Sep-2009 01:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	23
Client ID:	OC-SB-457-28/30-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-1-c		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	94



Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

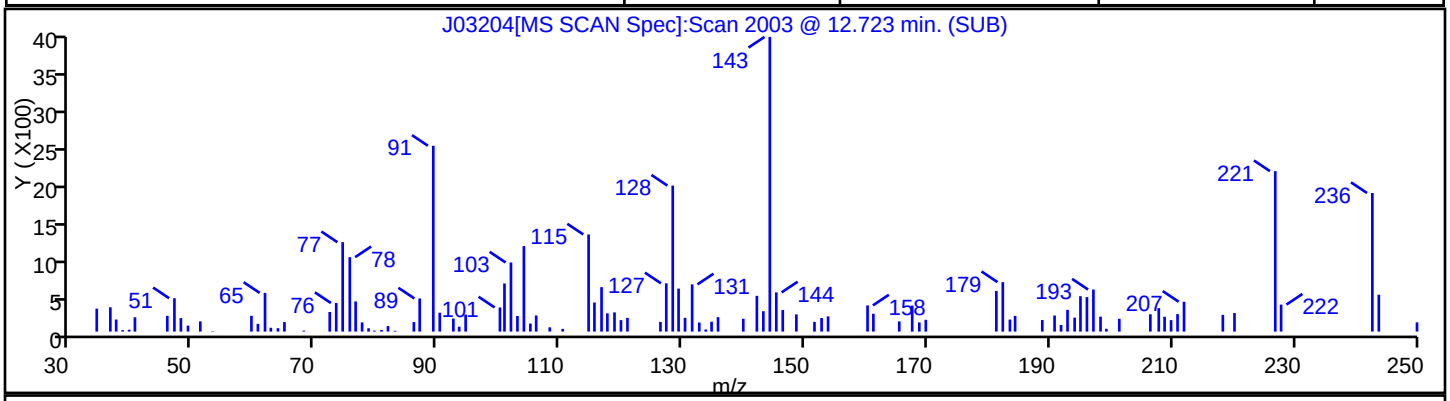
Lims Batch ID: 49648 Lims Sample ID: 23

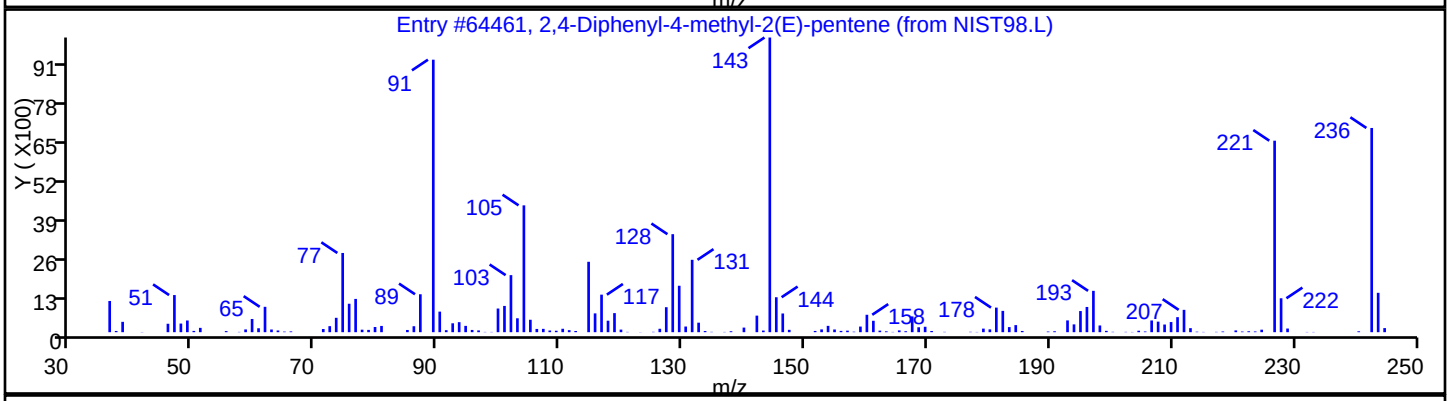
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

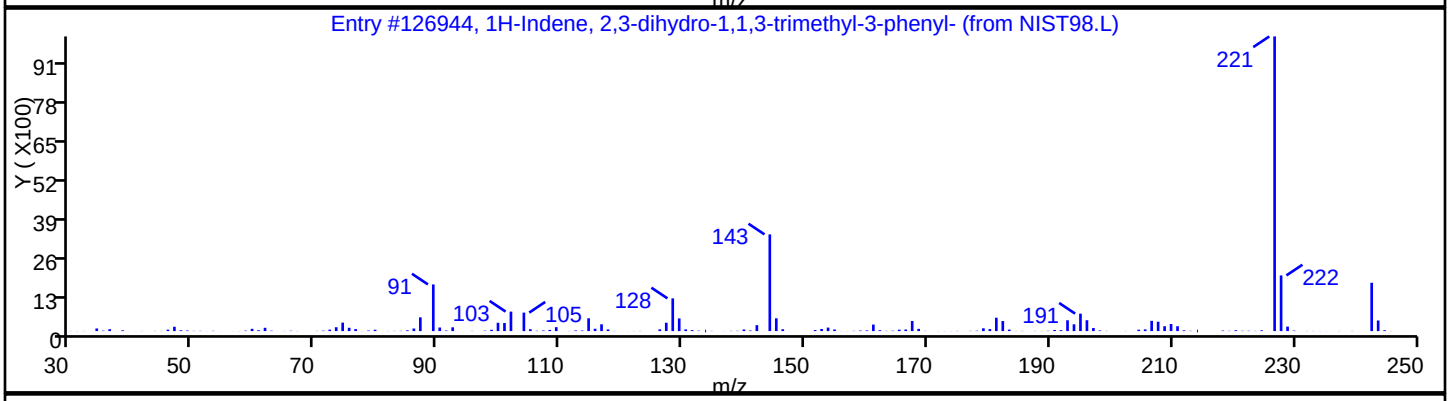
Sample Info: 360-24582-a-1-c

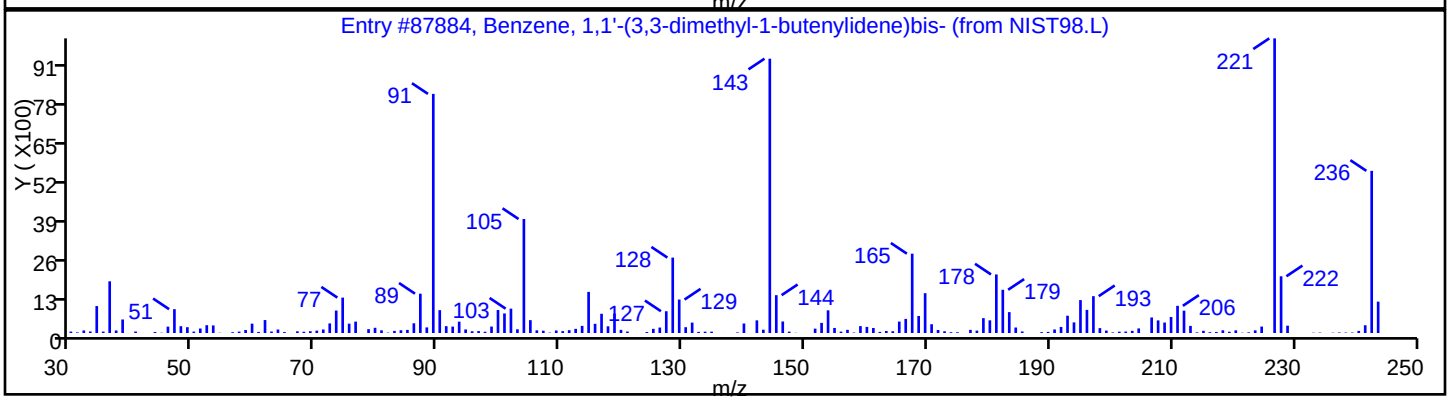
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	96
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	86
Benzene, 1,1'-(3,3-dimethyl-1-butenylide	23586-64-3	NIST98.L	87884	53









Report Date: 30-Sep-2009 08:50:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03204.D

Inj Date: 29-Sep-2009 01:37:30 Limit Group: SMS - 8270LL SVOA Calibration

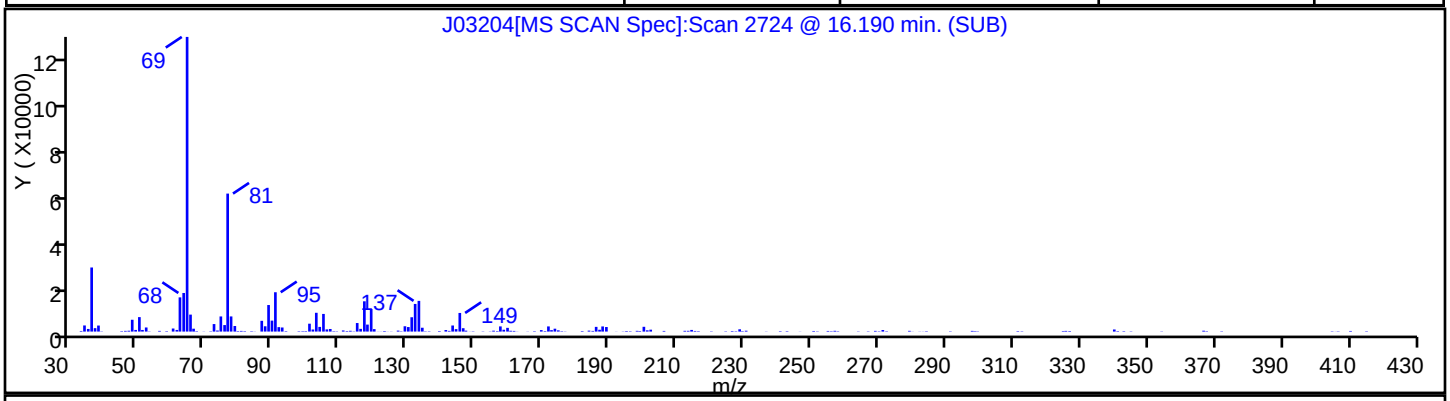
Lims Batch ID: 49648 Lims Sample ID: 23

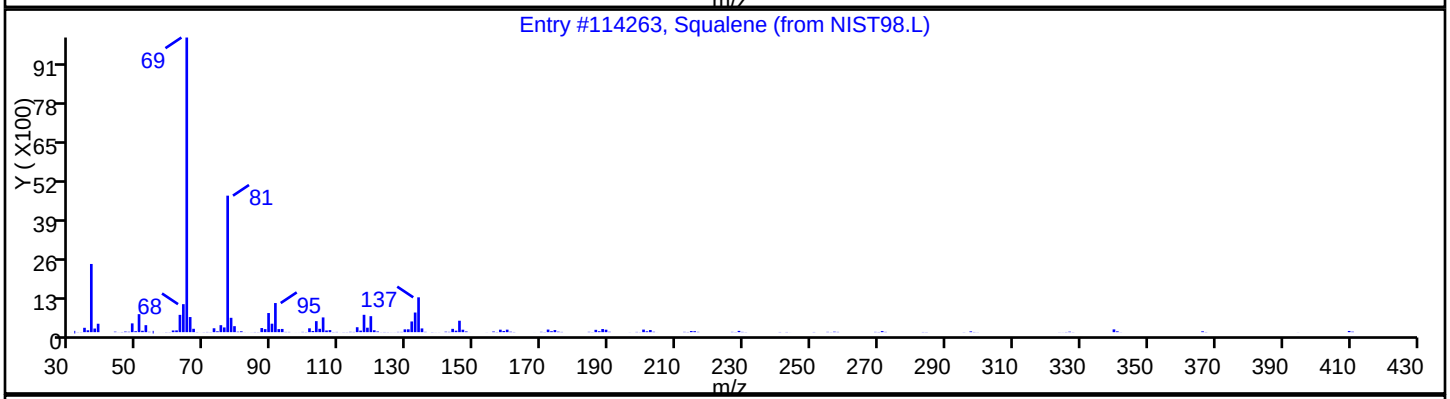
Client ID: OC-SB-457-28/30-XXX Instrument: Inst. J

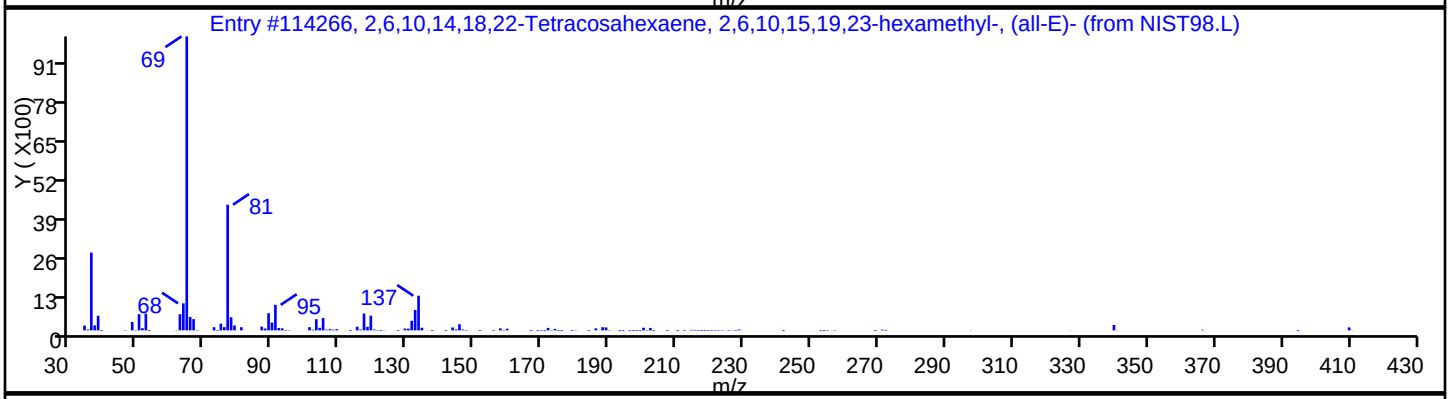
Sample Info: 360-24582-a-1-c

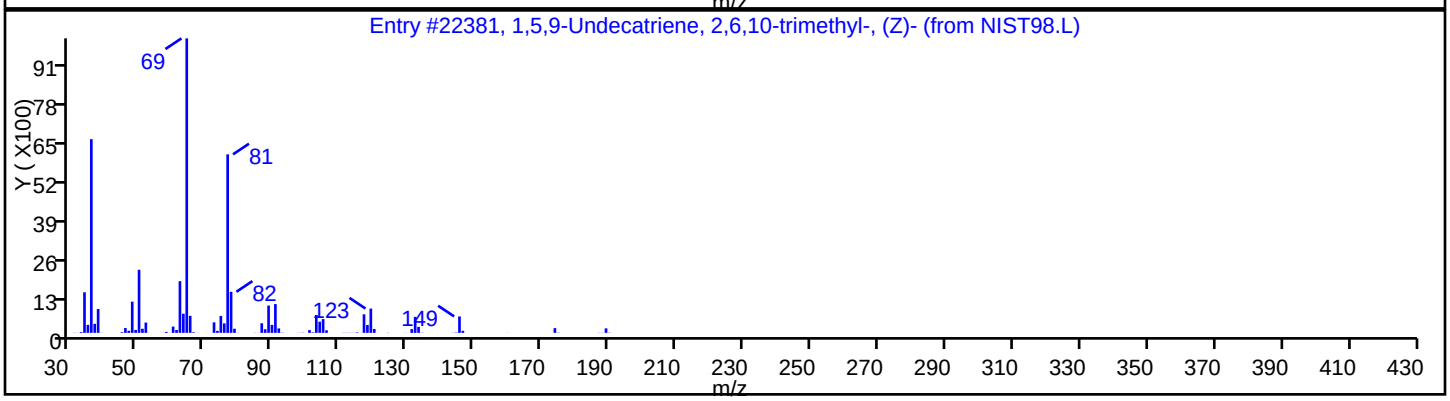
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	98
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: B10563.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 13:00

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2009 01:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		5.0	0.50
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		5.0	0.50
90-12-0	1-Methylnaphthalene	ND		5.0	0.050
58-90-2	2,3,4,6-Tetrachlorophenol	ND		5.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.50
100-51-6	Benzyl alcohol	ND		10	0.50
95-48-7	2-Methylphenol	ND		5.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.50
67-72-1	Hexachloroethane	ND		3.0	0.50
15831-10-4	3 & 4 Methylphenol	ND		5.0	0.50
95-57-8	2-Chlorophenol	ND		5.0	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.50
98-95-3	Nitrobenzene	ND		5.0	0.50
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.50
65-85-0	Benzoic acid	ND	*	5.0	0.50
78-59-1	Isophorone	ND		5.0	0.50
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
62-53-3	Aniline	ND	*	5.0	0.50
103-33-3	Azobenzene	ND		5.0	0.50
120-83-2	2,4-Dichlorophenol	ND		5.0	0.50
106-47-8	4-Chloroaniline	ND		5.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.50
91-57-6	2-Methylnaphthalene	ND		1.0	0.050
88-74-4	2-Nitroaniline	ND		5.0	0.50
105-60-2	Caprolactam	ND	*	5.0	0.50
91-58-7	2-Chloronaphthalene	ND		5.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.50
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.50
88-75-5	2-Nitrophenol	ND		5.0	0.50
99-09-2	3-Nitroaniline	ND		5.0	0.50
131-11-3	Dimethyl phthalate	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		5.0	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: B10563.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 13:00

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2009 01:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		0.30	0.050
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.50
83-32-9	Acenaphthene	ND		1.0	0.050
132-64-9	Dibenzofuran	ND		5.0	0.50
100-02-7	4-Nitrophenol	ND	*	5.0	0.50
86-73-7	Fluorene	ND		1.0	0.050
100-01-6	4-Nitroaniline	ND		5.0	0.50
108-95-2	Phenol	ND	*	5.0	0.50
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.50
118-74-1	Hexachlorobenzene	ND		1.0	0.50
84-66-2	Diethyl phthalate	ND		5.0	0.50
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.50
87-86-5	Pentachlorophenol	ND		1.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.50
85-01-8	Phenanthrene	ND		0.20	0.085
120-12-7	Anthracene	ND		1.0	0.070
84-74-2	Di-n-butyl phthalate	1.0	J B	5.0	0.60
206-44-0	Fluoranthene	ND		1.0	0.20
129-00-0	Pyrene	ND		5.0	0.19
85-68-7	Butyl benzyl phthalate	1.2	J	5.0	0.50
56-55-3	Benzo[a]anthracene	ND		0.30	0.17
218-01-9	Chrysene	ND		1.0	0.17
117-84-0	Di-n-octyl phthalate	ND		5.0	0.73
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.14
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.17
50-32-8	Benzo[a]pyrene	ND		0.20	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.079
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.064
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.094
98-86-2	Acetophenone	0.66	J	5.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	J B	2.0	0.50
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.50
1912-24-9	Atrazine	ND		5.0	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: B10563.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 13:00

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2009 01:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	ND		5.0	0.50
86-74-8	Carbazole	ND		5.0	0.50
119-61-9	Benzophenone	ND		5.0	0.50
101-84-8	Diphenyl oxide	ND		5.0	0.50
122-39-4	Diphenylamine	ND		5.0	0.50

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	15-110	
321-60-8	2-Fluorobiphenyl	73	30-130	
367-12-4	2-Fluorophenol	23	15-110	
4165-60-0	Nitrobenzene-d5	81	30-130	
4165-62-2	Phenol-d5	12	15-110	X
1718-51-0	Terphenyl-d14	91	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: B10563.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 13:00

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2009 01:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

Number TICs Found: 10 | TIC Result Total: 7.35

CAS NO.	COMPOUND NAME	RT	RESULT	Q
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.84	0.59	T J N
134-62-3	Diethyltoluamide	10.17	1.9	T J N
80-39-7	Benzenesulfonamide, N-ethyl-4-methyl-	10.76	0.35	T J N
3622-84-2	Benzenesulfonamide, N-butyl-	11.01	0.33	T J N
92-87-5	Benzidine	12.28	0.69	J *
3892-0-0	Pentadecane, 2,6,10-trimethyl-	13.72	0.76	T J N
112-95-8	Eicosane	14.37	0.69	T J N
630-2-4	Octacosane	15.70	0.77	T J N
7683-64-9	Squalene	15.81	0.66	T J N
638-67-5	Tricosane	16.17	0.61	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Lims ID:	360-24582-D-4-A	Client ID:	OC-EBK-010
Inject. Date:	26-Sep-2009 01:14:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-d-4-a		
Misc. Info.:	360-0001300-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	49511	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:42:14
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:05

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.254	7.254	0.000	324861	2.00	
* 2 Naphthalene-d8	136	8.384	8.389	-0.005	760649	2.00	
* 3 Acenaphthene-d10	164	9.880	9.879	0.001	351333	2.00	
* 4 Phenanthrene-d10	188	11.135	11.134	0.001	570896	2.00	
* 5 Chrysene-d12	240	14.039	14.044	-0.005	380186	2.00	
* 6 Perylene-d12	264	16.530	16.530	0.000	258812	2.00	
$ 7 2-Fluorophenol	112	5.941	5.941	0.000	190302	2.25	
$ 8 Phenol-d5	99	6.893	6.898	-0.005	132388	1.23	
$ 9 Nitrobenzene-d5	82	7.754	7.754	0.000	417403	4.05	
$ 10 2-Fluorobiphenyl	172	9.288	9.293	-0.005	842125	3.63	
$ 11 2,4,6-Tribromophenol	330	10.543	10.543	0.000	162934	7.47	
$ 12 Terphenyl-d14	244	12.520	12.519	0.001	669511	4.55	
17 Benzaldehyde	105	6.845	6.850	-0.005	7020	0.1191	
19 Aniline	93	6.946	6.946	0.000	2408	0.0184	
21 2-Chlorophenol	128	7.052	7.057	-0.005	1469	0.0150	
30 Acetophenone	105	7.615	7.614	0.001	86168	0.6600	
34 2-Nitrophenol	139	8.052	8.052	0.000	1966	0.0458	
46 2-Methylnaphthalene	142	8.990	8.995	-0.005	3814	0.0205	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	3526	0.0195	
56 Dimethyl phthalate	163	9.610	9.615	-0.005	44104	0.2077	
66 Diethyl phthalate	149	10.197	10.202	-0.005	108267	0.4860	
69 Fluorene	166	10.337	10.341	-0.004	3267	0.0149	
71 Diphenylamine	169	10.413	10.418	-0.005	34760	0.1893	
72 N-Nitrosodiphenylamine	169	10.413	10.418	-0.005	34760	0.1893	
80 Phenanthrene	178	11.154	11.154	0.000	7824	0.0272	
81 Anthracene	178	11.193	11.197	-0.004	2782	0.0103	M

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.318	11.317	0.001	3026	0.0134	
84 Di-n-butyl phthalate	149	11.563	11.562	0.001	356437	1.01	
85 Pyrene	202	12.404	12.399	0.005	5126	0.0206	
89 Butyl benzyl phthalate	149	13.073	13.072	0.001	136868	1.22	
92 Bis(2-ethylhexyl) phthalate	149	13.977	13.981	-0.004	278829	1.63	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Lims ID:	360-24582-D-4-A	Client ID:	OC-EBK-010
Inject. Date:	26-Sep-2009 01:14:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-d-4-a		
Misc. Info.:	360-0001300-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	49511	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:42:14
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:05

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pentachloronitrobenzene	10.976	146	0.0943	
Benzidine	12.279	202	0.6870	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
138-86-3 Limonene						
7.355	228028	0.3238	1	91	114006	
541-2-6 Cyclopentasiloxane, decamethyl-						
7.894	323657	0.3514	2	91	115273	
95-16-9 Benzothiazole						
8.620	381884	0.4146	2	93	122345	
540-97-6 Cyclohexasiloxane, dodecamethyl-						
8.788	210137	0.2281	2	91	27931	
1009-61-6 Ethanone, 1,1'-(1,4-phenylene)bis-						
9.562	211309	0.2756	3	95	65788	
96-76-4 Phenol, 2,4-bis(1,1-dimethylethyl)-						
9.836	453360	0.5913	3	96	125782	
134-62-3 Diethyltoluamide						
10.168	1462554	1.91	3	97	53717	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
80-39-7	Benzenesulfonamide, N-ethyl-4-methyl-					
10.760	265243	0.3488	4	96	38562	
1000130-27-1	2,3,5,6-Detetrahydrocyclohexanone, 2,6-d					
10.914	183501	0.2413	4	95	87517	
3622-84-2	Benzenesulfonamide, N-butyl-					
11.010	254411	0.3345	4	94	29878	
14035-33-7	3,5-di-tert-Butyl-4-hydroxyacetophenone					
11.077	231543	0.3044	4	94	90114	
	Unknown					
11.423	148713	0.1955	4			
1560-88-9	Octadecane, 2-methyl-					
13.179	294383	0.5297	5	93	112338	
3892-0-0	Pentadecane, 2,6,10-trimethyl-					
13.717	419980	0.7557	5	90	16428	
112-95-8	Eicosane					
14.366	381218	0.6859	5	90	112343	
630-2-4	Octacosane					
15.703	301175	0.7683	6	94	112312	
7683-64-9	Squalene					
15.809	258383	0.6591	6	91	114263	
638-67-5	Tricosane					
16.170	240684	0.6140	6	95	109661	

Quantitation Compounds

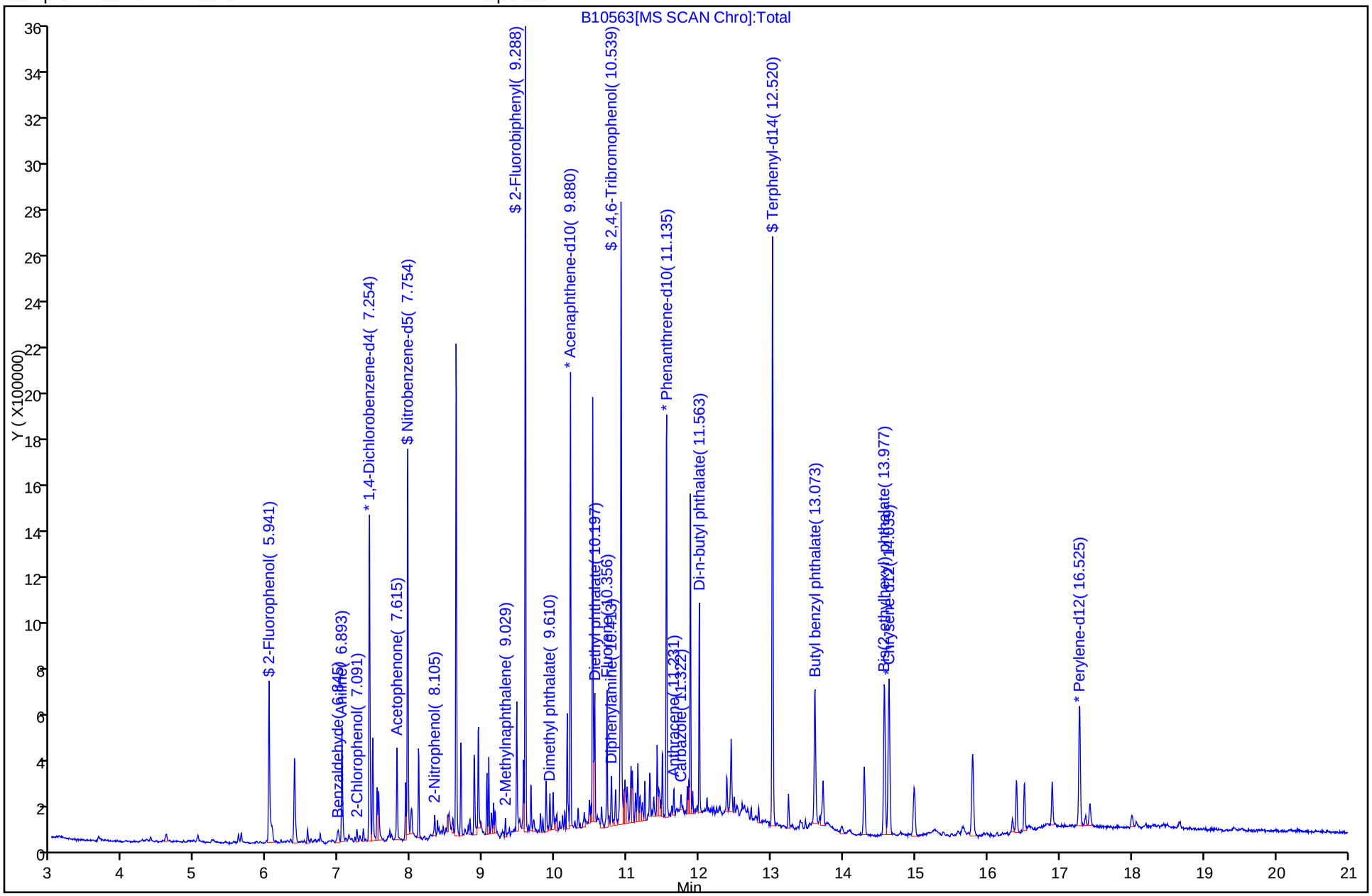
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.254	1408281	2.00
* 2 Naphthalene-d8	8.384	1842319	2.00
* 3 Acenaphthene-d10	9.880	1533554	2.00
* 4 Phenanthrene-d10	11.135	1521104	2.00
* 5 Chrysene-d12	14.039	1111529	2.00
* 6 Perylene-d12	16.525	784037	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:19:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

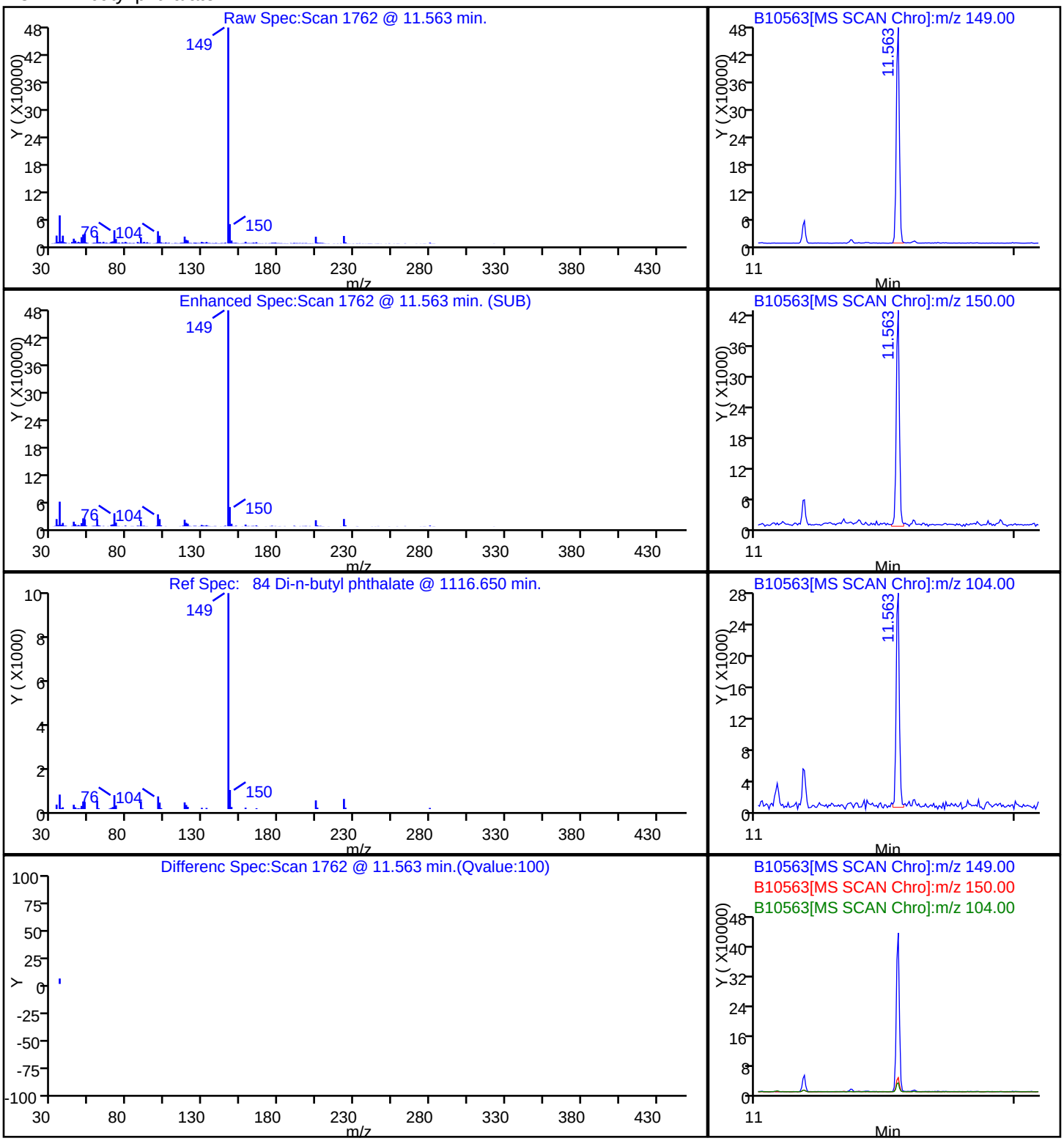
Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 28-Sep-2009 07:19:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ

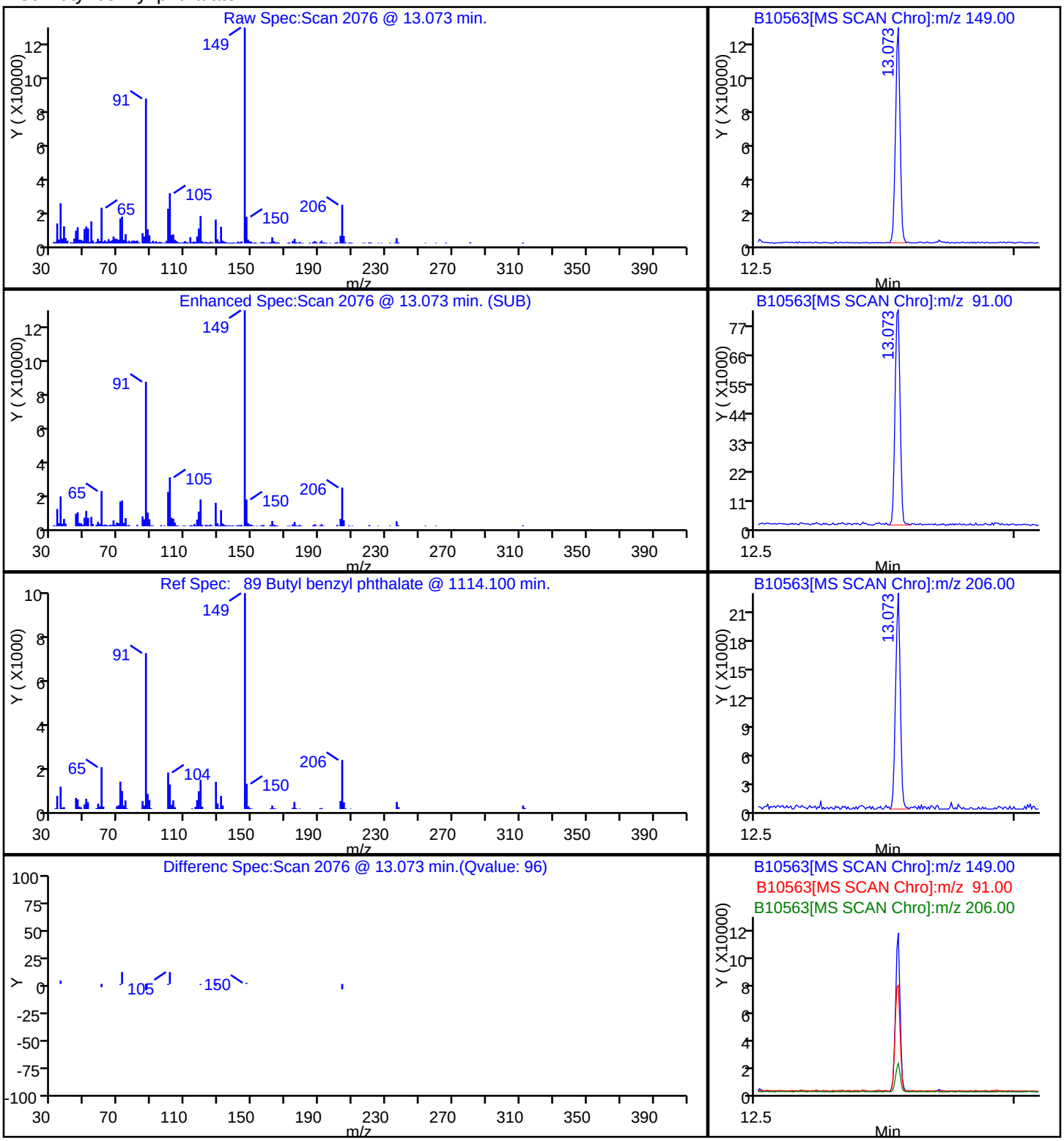
84 Di-n-butyl phthalate



Report Date: 28-Sep-2009 07:19:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ

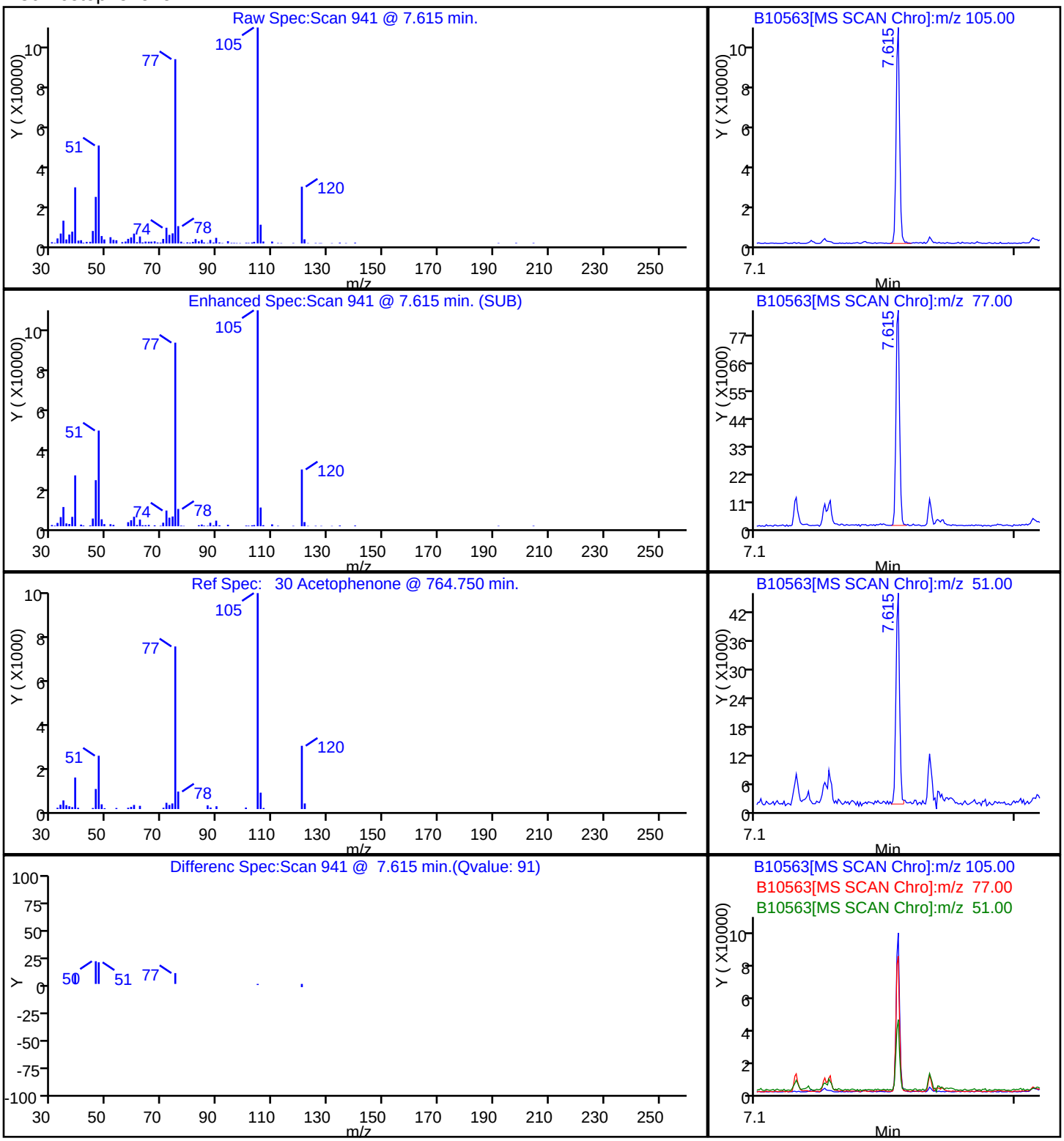
89 Butyl benzyl phthalate



Report Date: 28-Sep-2009 07:19:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ

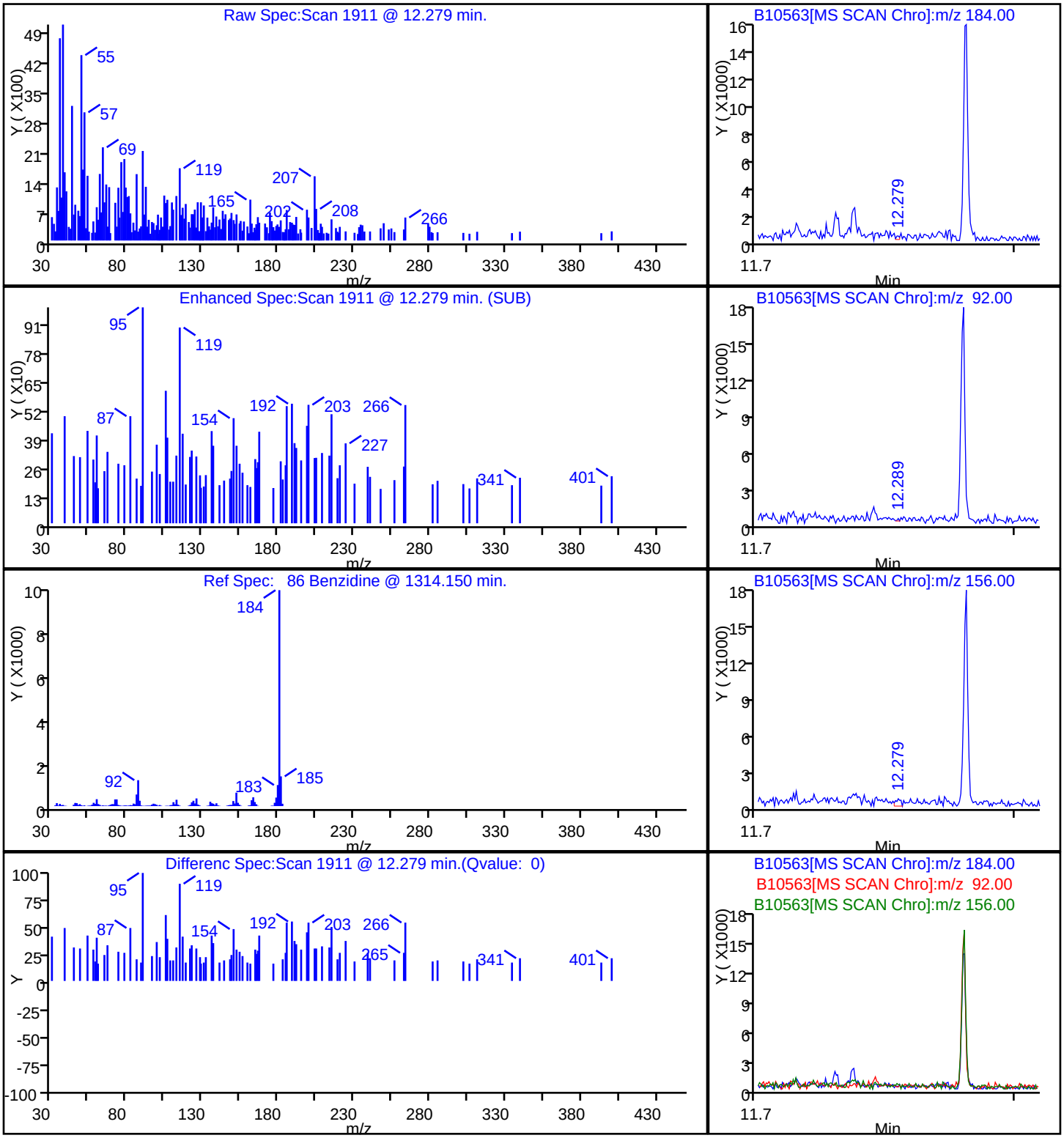
30 Acetophenone



Report Date: 28-Sep-2009 07:19:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine



Report Date: 28-Sep-2009 07:19:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

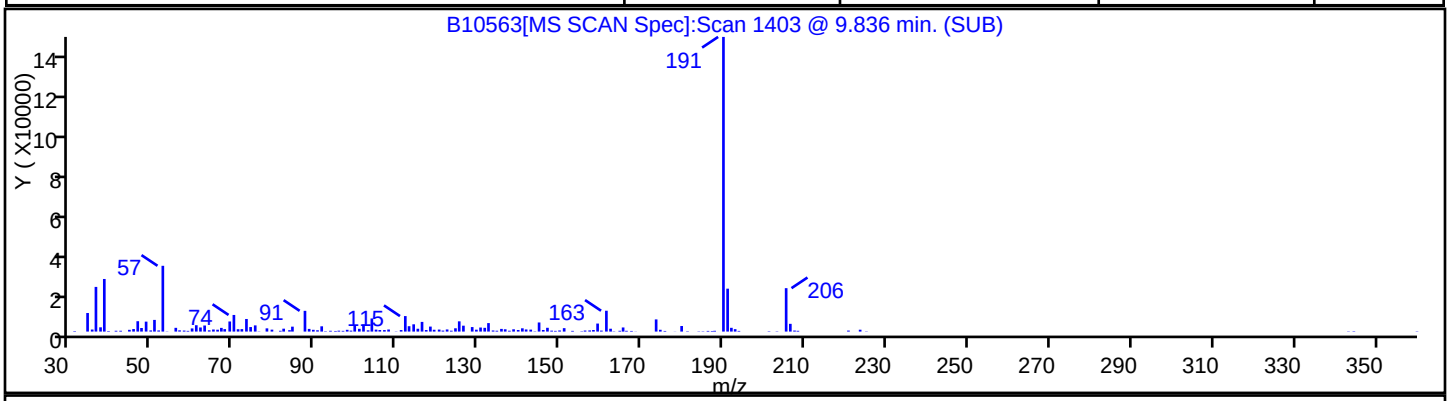
Lims Batch ID: 49511 Lims Sample ID: 20

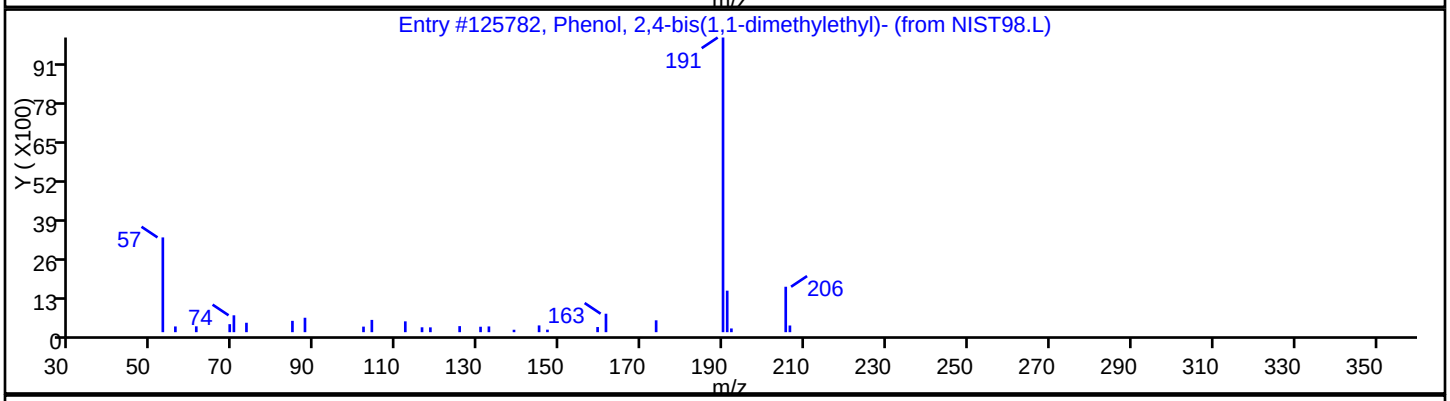
Client ID: OC-EBK-010 Instrument: Inst. B

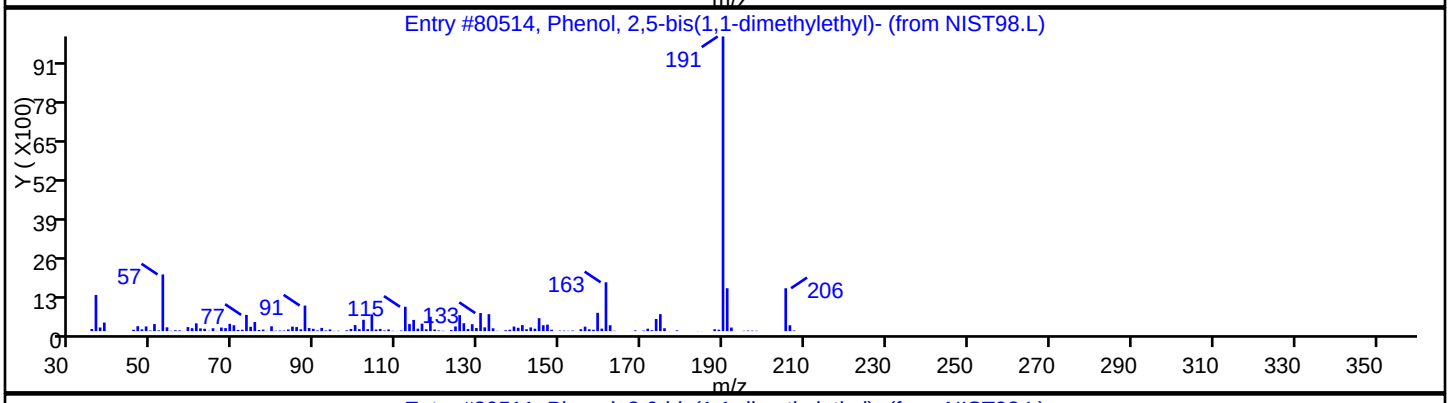
Sample Info: 360-24582-d-4-a

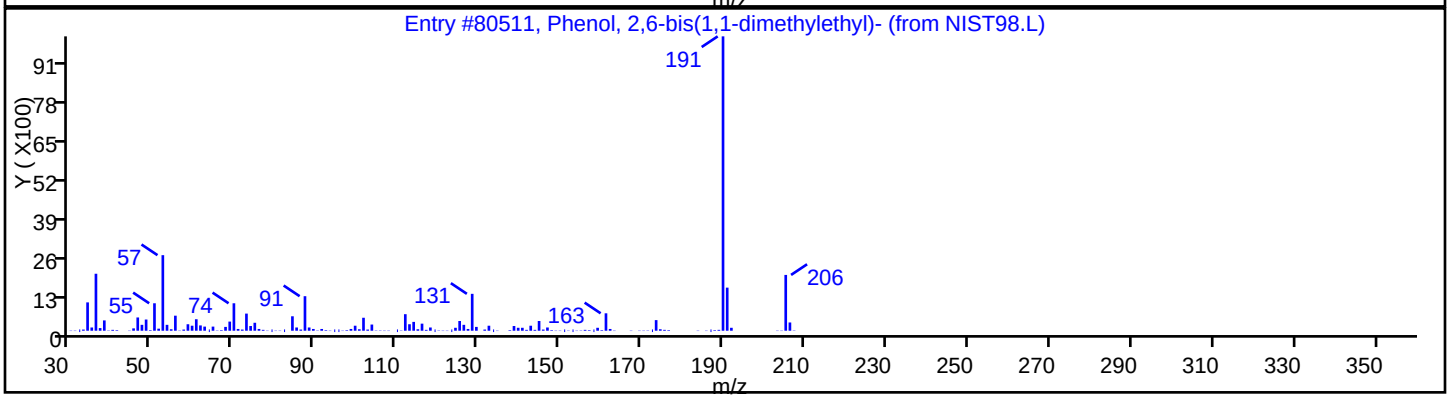
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2,4-bis(1,1-dimethylethyl)-	96-76-4	NIST98.L	125782	96
Phenol, 2,5-bis(1,1-dimethylethyl)-	5875-45-6	NIST98.L	80514	90
Phenol, 2,6-bis(1,1-dimethylethyl)-	128-39-2	NIST98.L	80511	87









Report Date: 28-Sep-2009 07:19:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 20

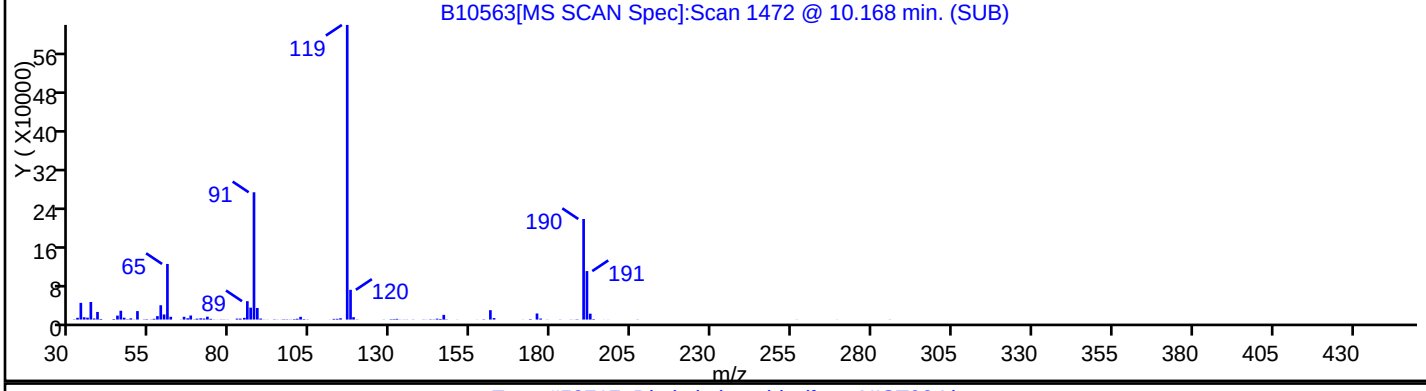
Client ID: OC-EBK-010 Instrument: Inst. B

Sample Info: 360-24582-d-4-a

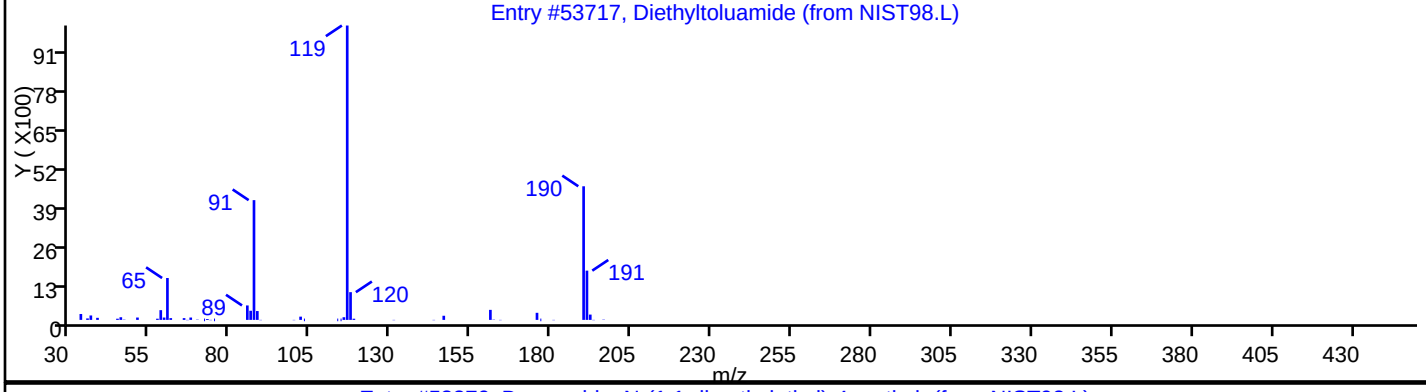
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Diethyltoluamide	134-62-3	NIST98.L	53717	97
Benzamide, N-(1,1-dimethylethyl)-4-methy	42498-32-8	NIST98.L	53370	80
1-Propanone, 2-methyl-1-(4-methylphenyl)	50390-51-7	NIST98.L	53282	72

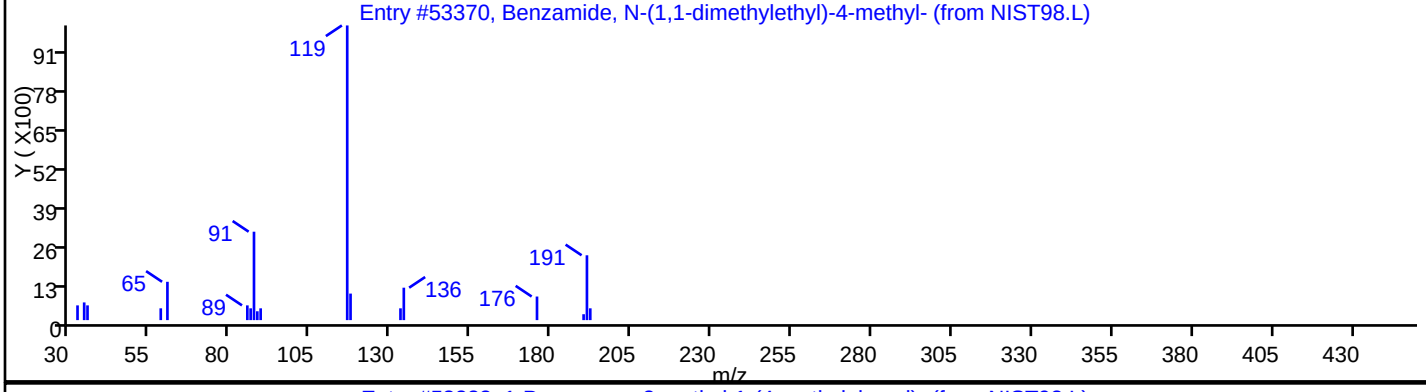
B10563[MS SCAN Spec]:Scan 1472 @ 10.168 min. (SUB)



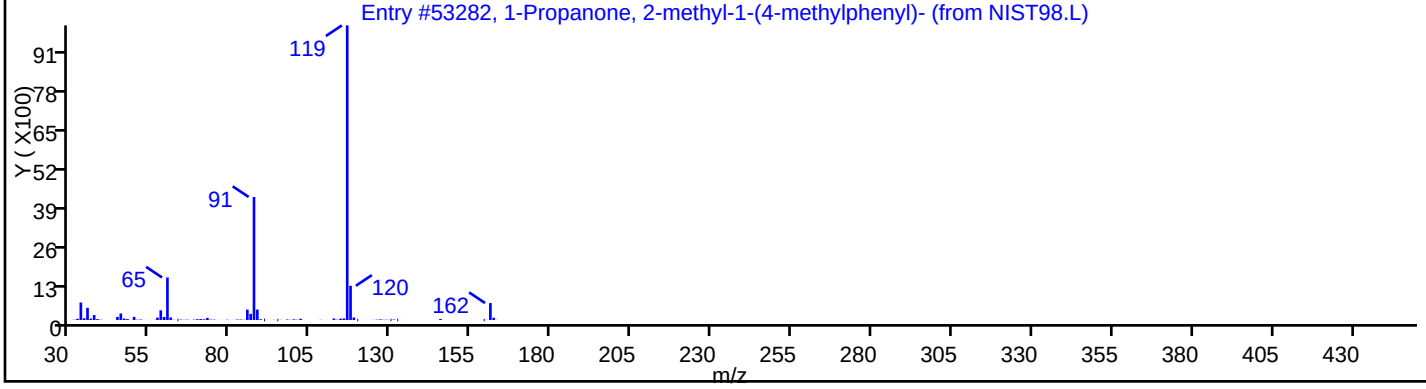
Entry #53717, Diethyltoluamide (from NIST98.L)



Entry #53370, Benzamide, N-(1,1-dimethylethyl)-4-methyl- (from NIST98.L)



Entry #53282, 1-Propanone, 2-methyl-1-(4-methylphenyl)- (from NIST98.L)



Report Date: 28-Sep-2009 07:19:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

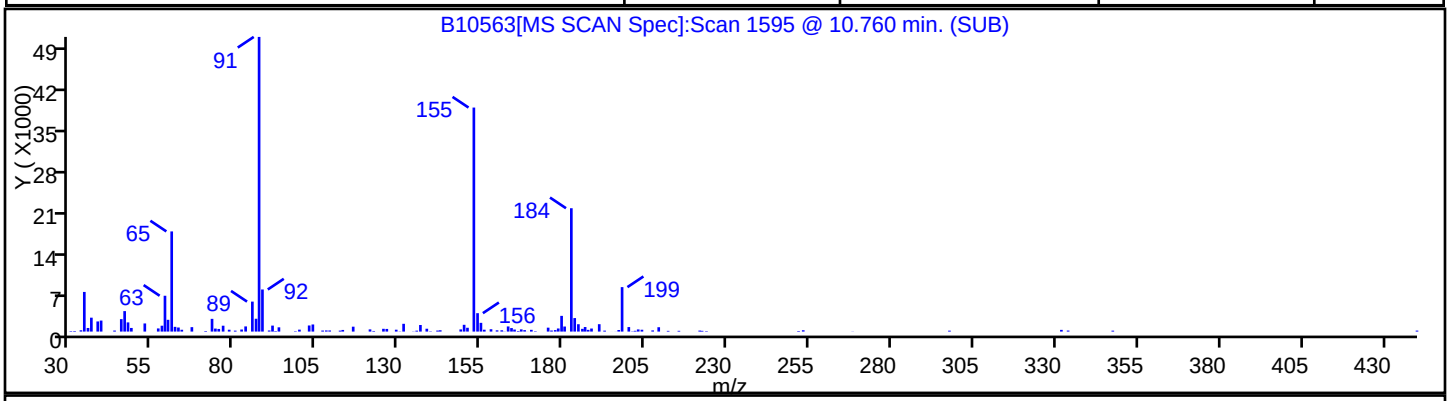
Lims Batch ID: 49511 Lims Sample ID: 20

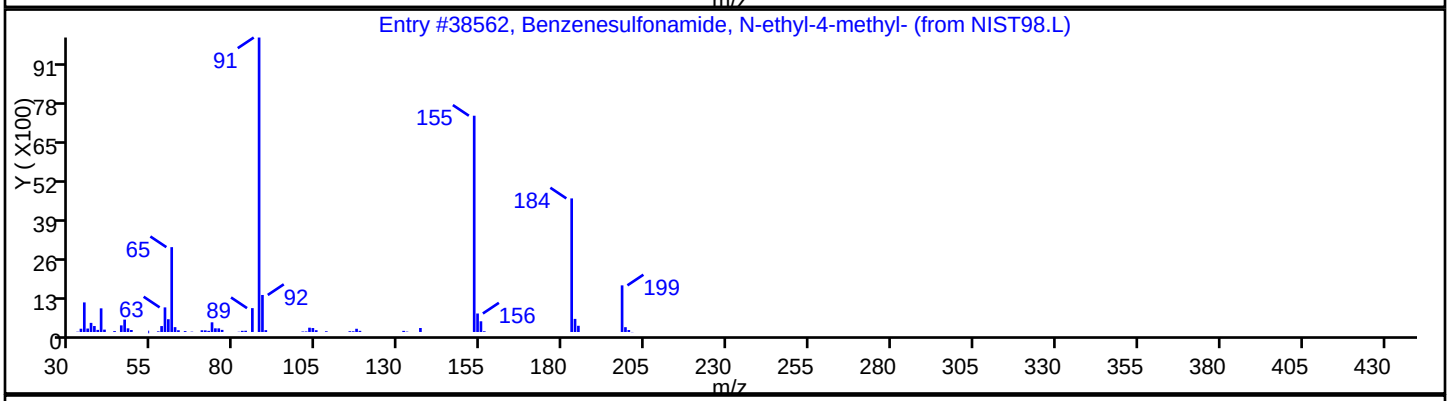
Client ID: OC-EBK-010 Instrument: Inst. B

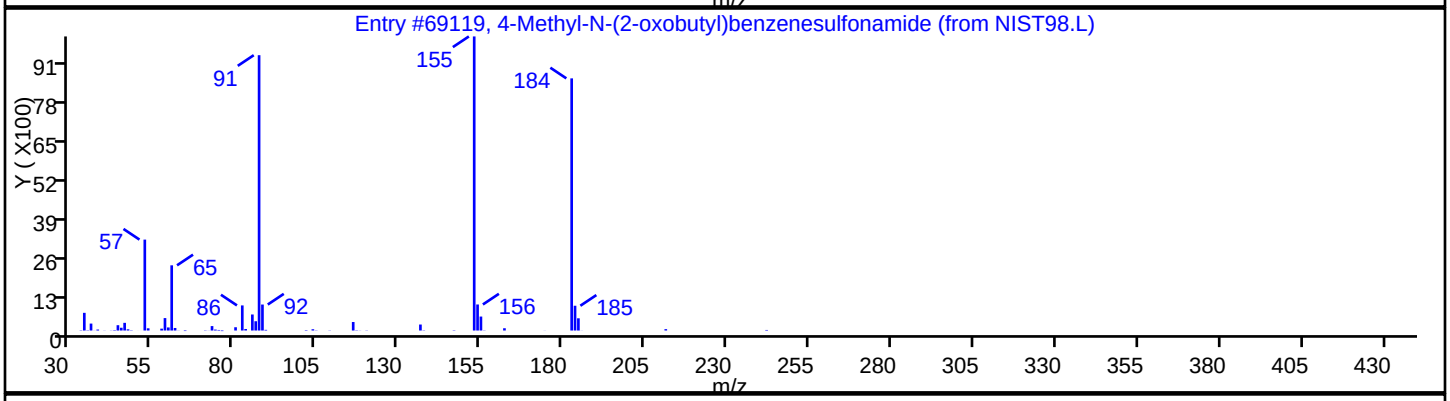
Sample Info: 360-24582-d-4-a

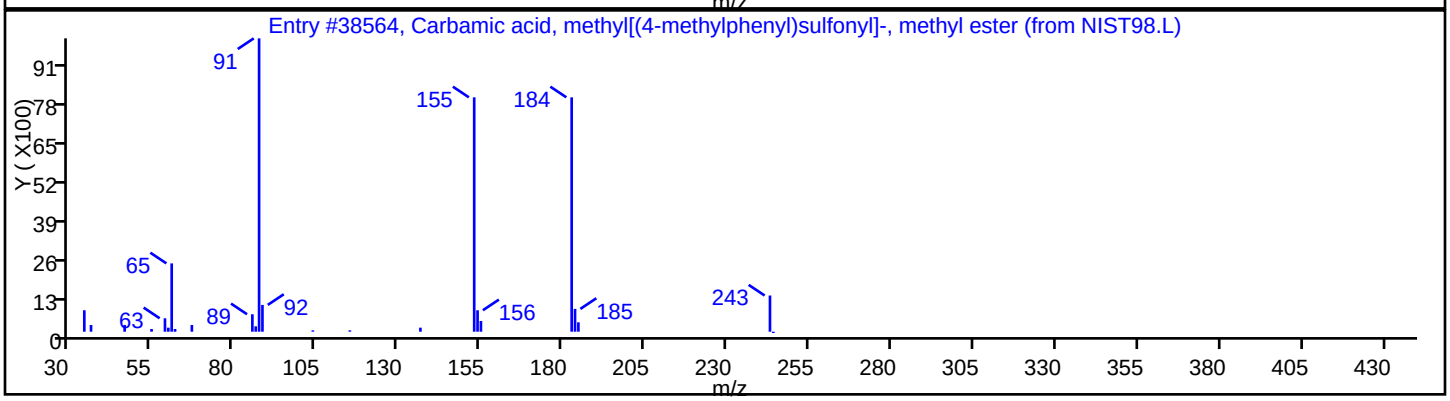
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzenesulfonamide, N-ethyl-4-methyl-	80-39-7	NIST98.L	38562	96
4-Methyl-N-(2-oxobutyl)benzenesulfonamid	1000192-14-5	NIST98.L	69119	86
Carbamic acid, methyl[(4-methylphenyl)su	32258-50-7	NIST98.L	38564	72





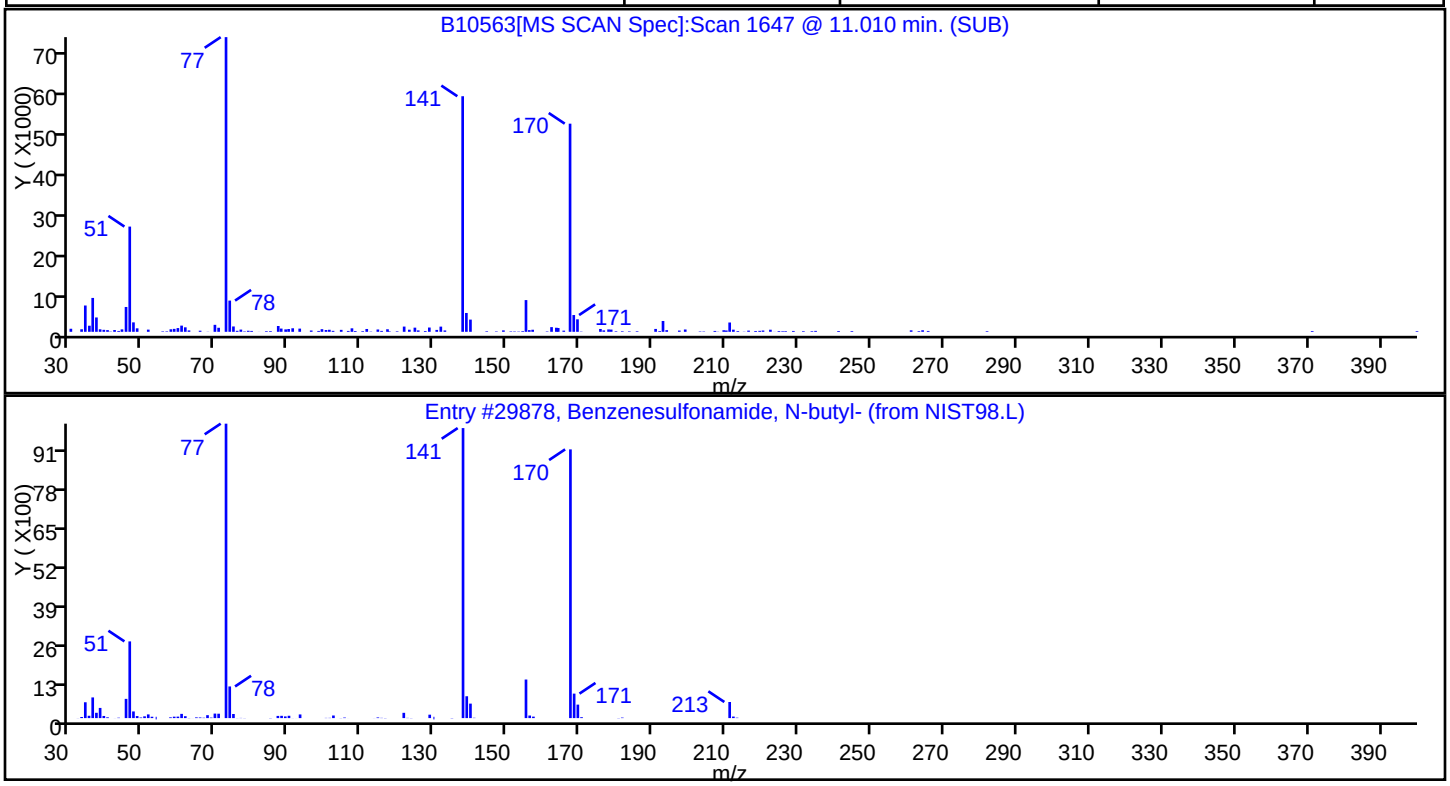




Report Date: 28-Sep-2009 07:19:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D		
Inj Date:	26-Sep-2009 01:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	20
Client ID:	OC-EBK-010	Instrument:	Inst. B
Sample Info:	360-24582-d-4-a		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzenesulfonamide, N-butyl-	3622-84-2	NIST98.L	29878	94



Report Date: 28-Sep-2009 07:19:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

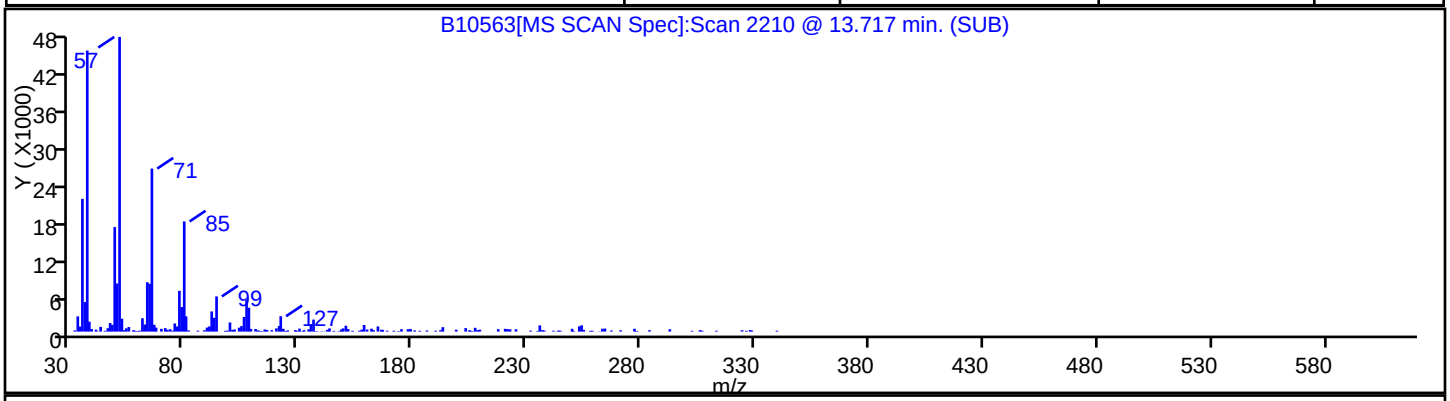
Lims Batch ID: 49511 Lims Sample ID: 20

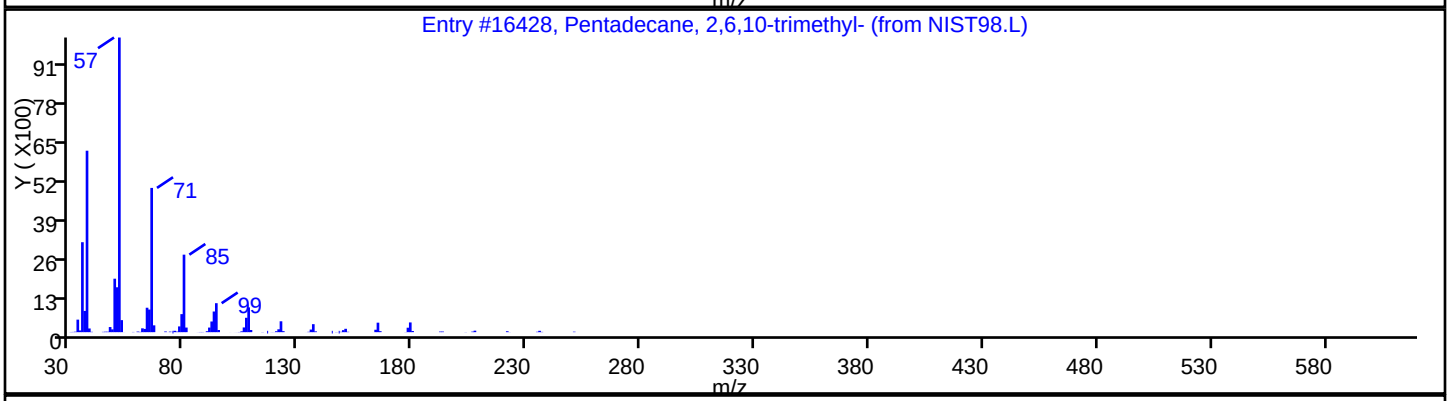
Client ID: OC-EBK-010 Instrument: Inst. B

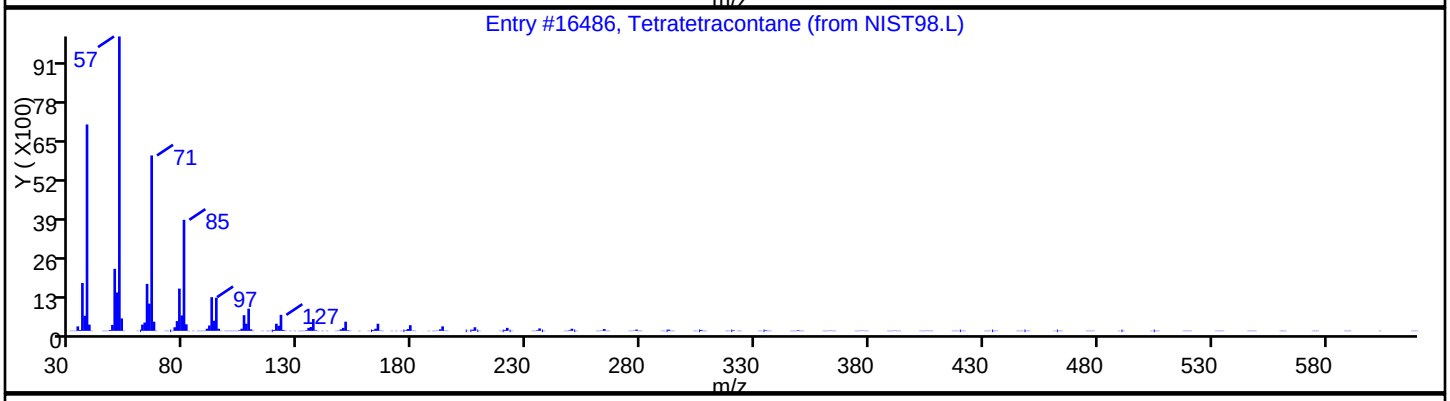
Sample Info: 360-24582-d-4-a

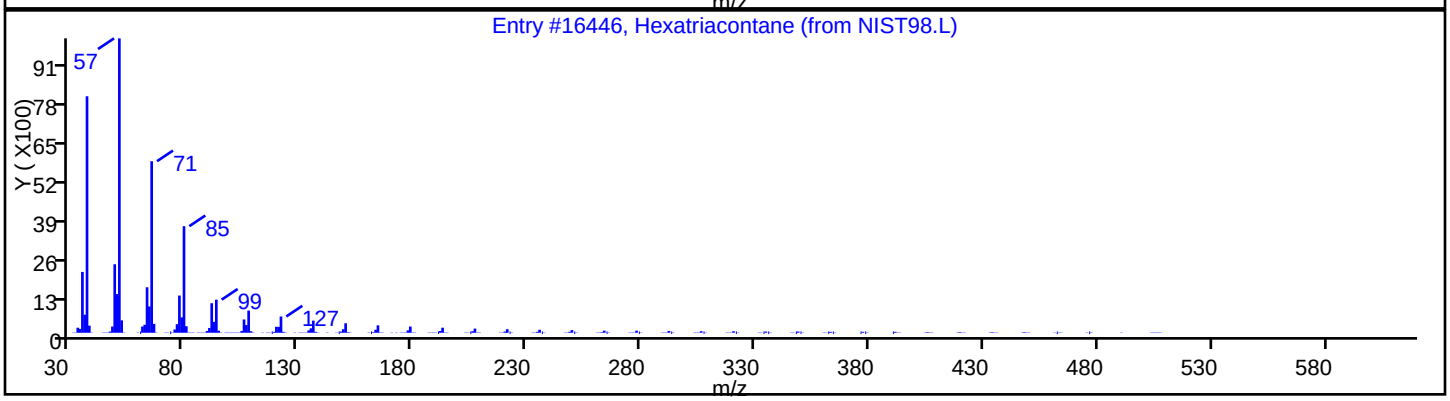
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentadecane, 2,6,10-trimethyl-	3892-0-0	NIST98.L	16428	90
Tetratetracontane	7098-22-8	NIST98.L	16486	90
Hexatriacontane	630-6-8	NIST98.L	16446	90









Report Date: 28-Sep-2009 07:19:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

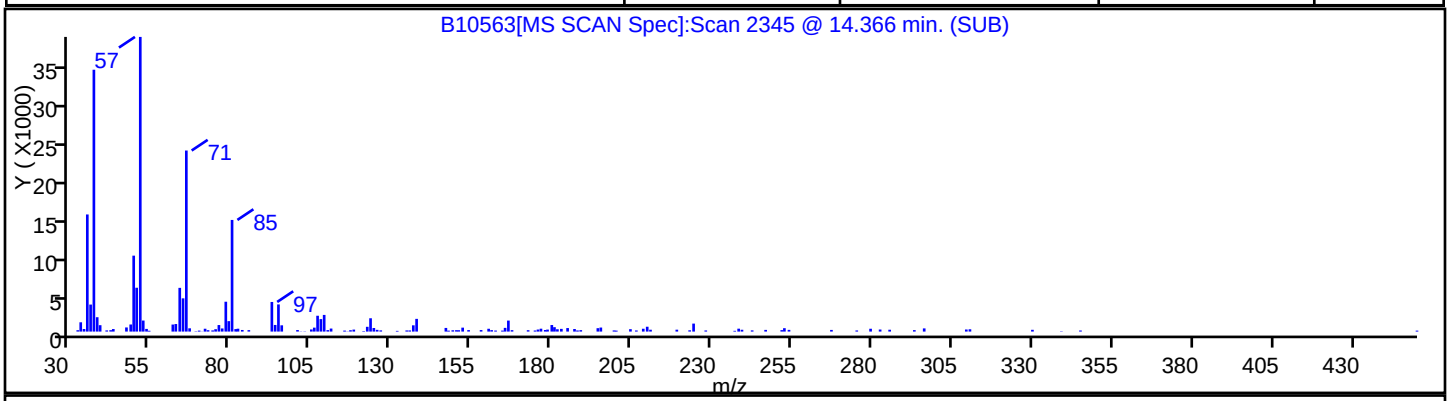
Lims Batch ID: 49511 Lims Sample ID: 20

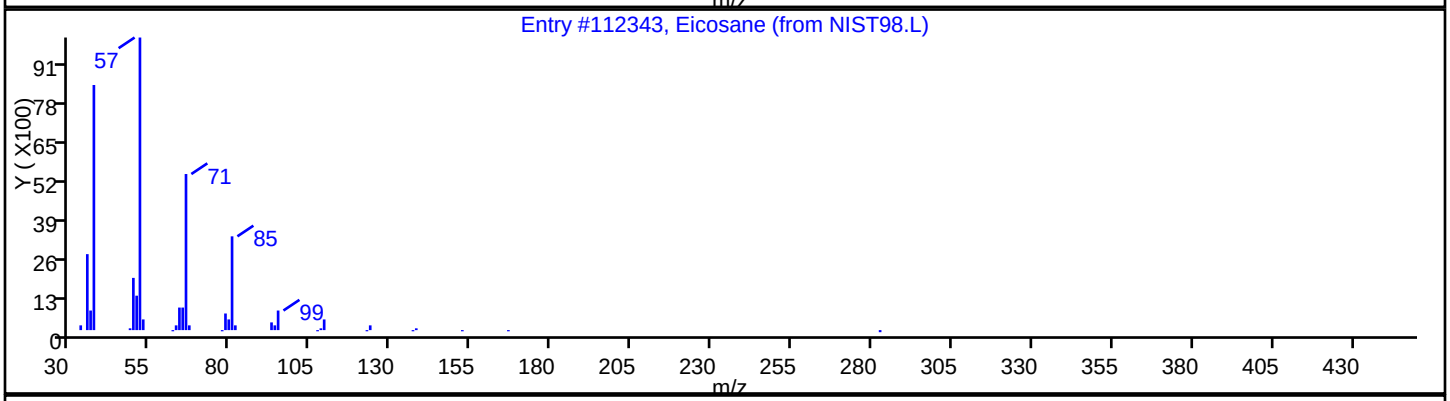
Client ID: OC-EBK-010 Instrument: Inst. B

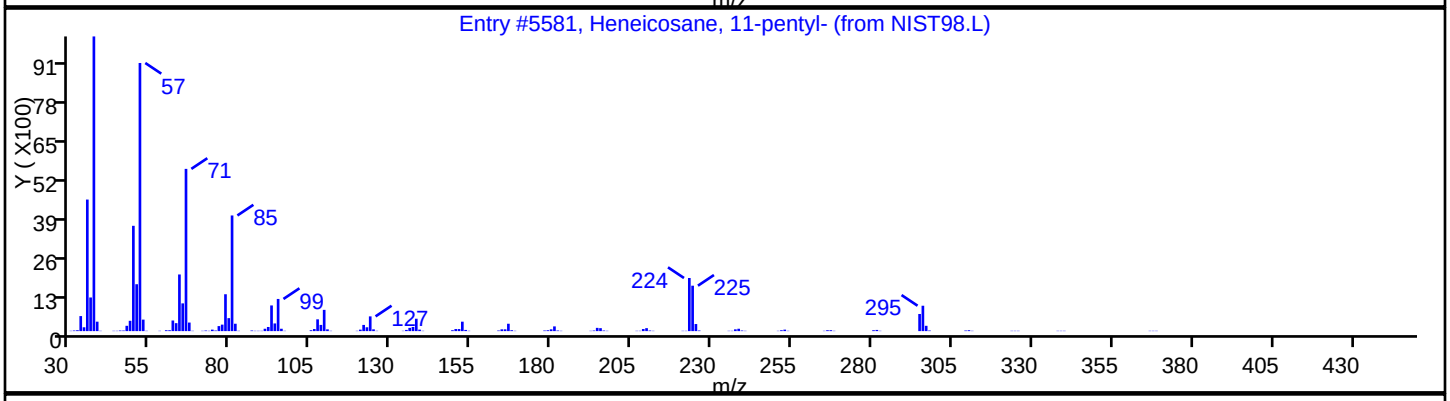
Sample Info: 360-24582-d-4-a

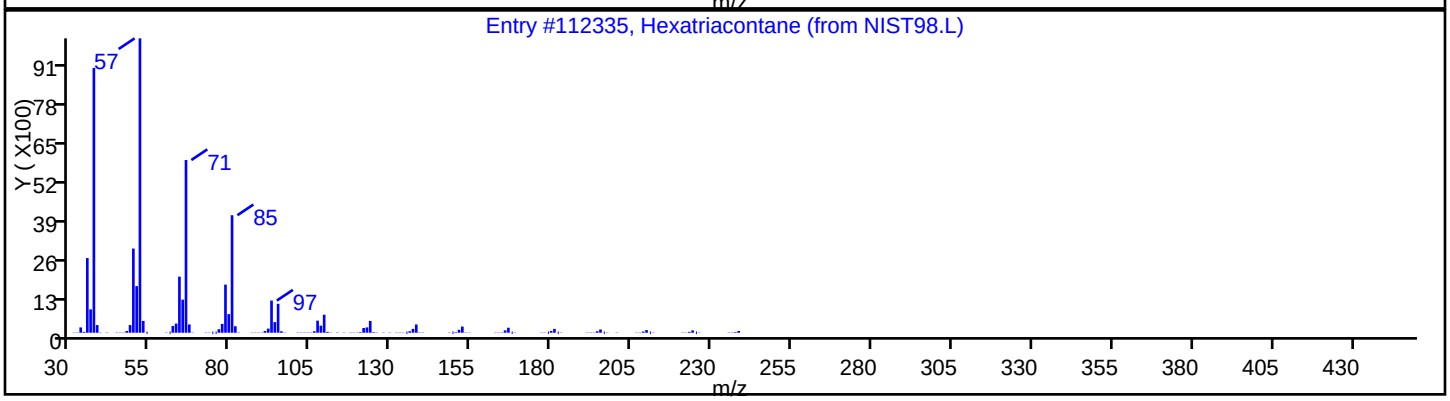
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	90
Heneicosane, 11-pentyl-	14739-72-1	NIST98.L	5581	87
Hexatriacontane	630-6-8	NIST98.L	112335	87









Report Date: 28-Sep-2009 07:19:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

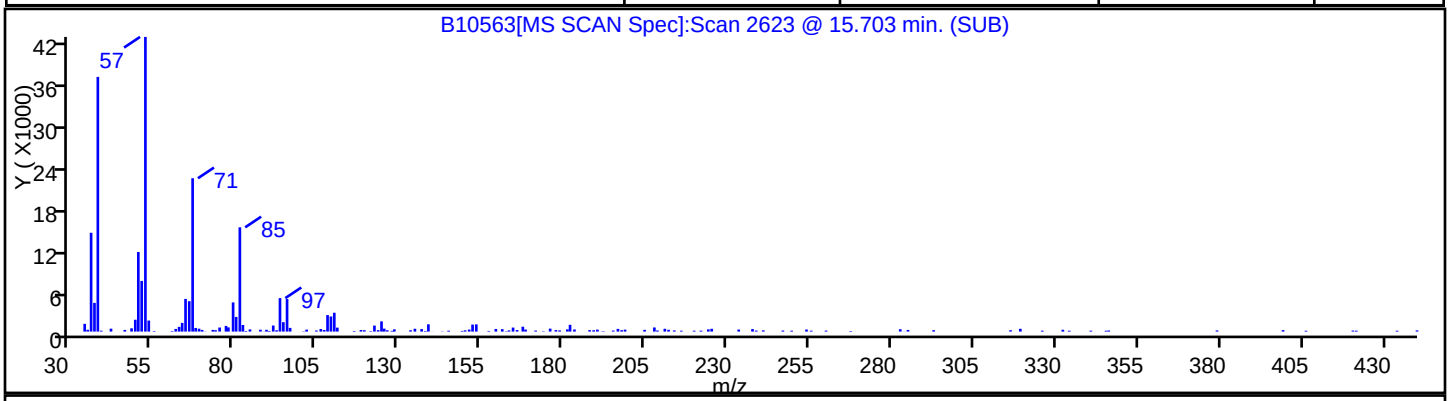
Lims Batch ID: 49511 Lims Sample ID: 20

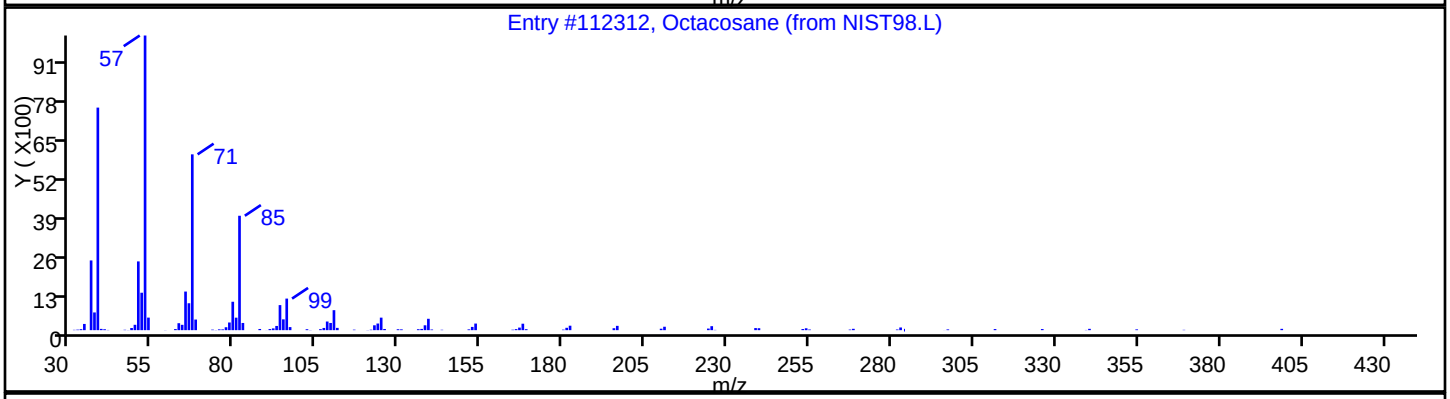
Client ID: OC-EBK-010 Instrument: Inst. B

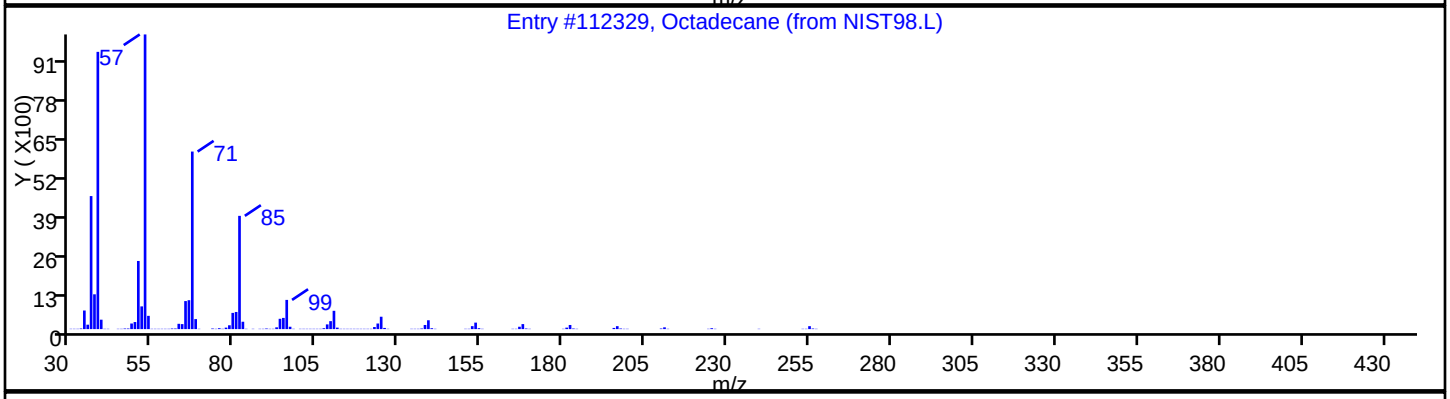
Sample Info: 360-24582-d-4-a

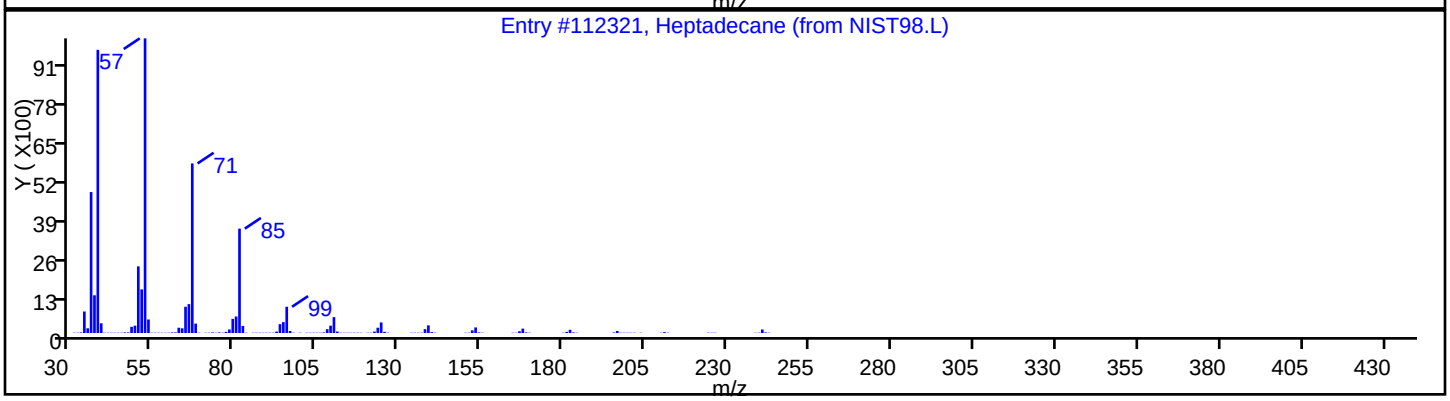
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	94
Octadecane	593-45-3	NIST98.L	112329	94
Heptadecane	629-78-7	NIST98.L	112321	93









Report Date: 28-Sep-2009 07:19:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

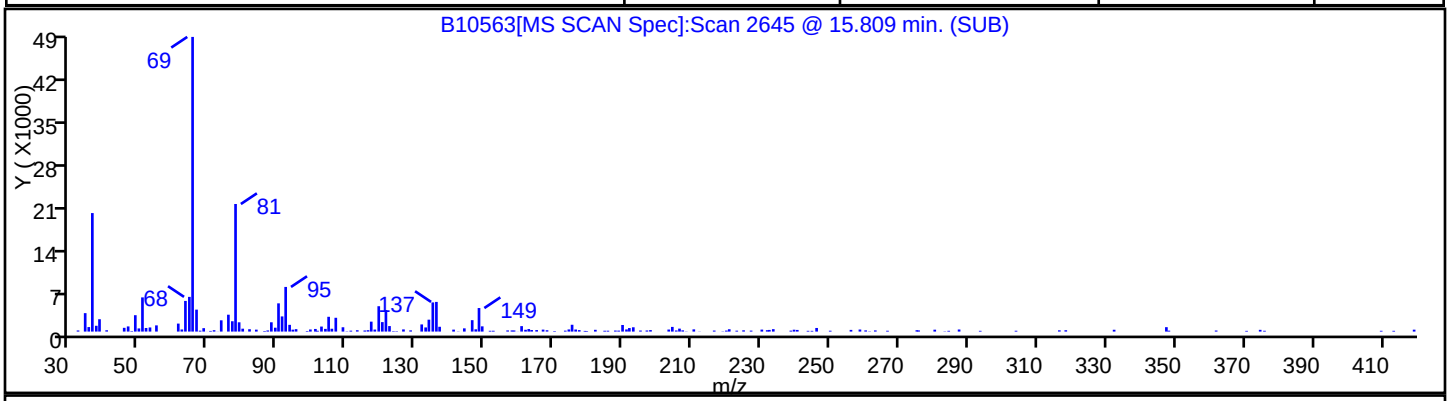
Lims Batch ID: 49511 Lims Sample ID: 20

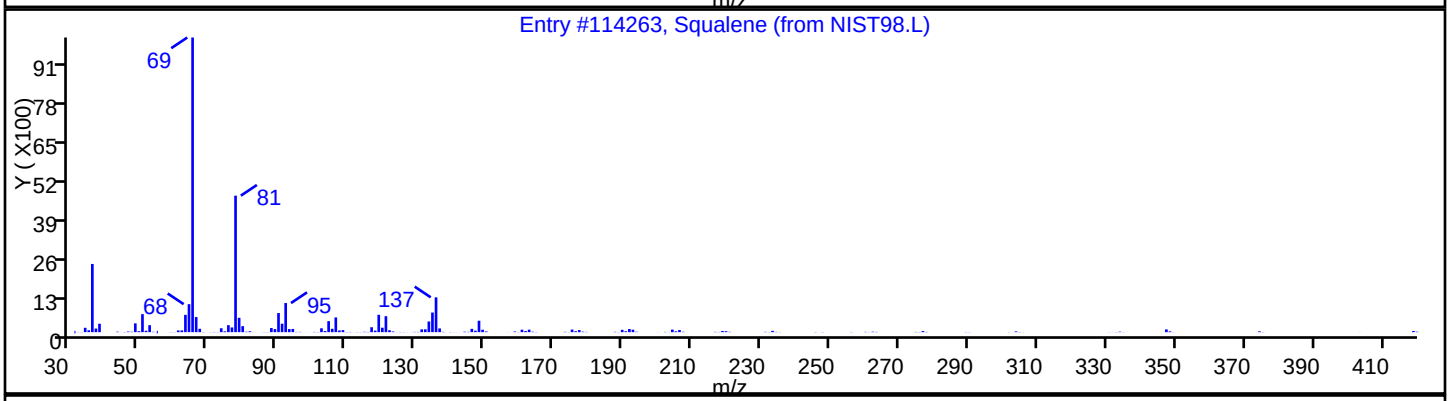
Client ID: OC-EBK-010 Instrument: Inst. B

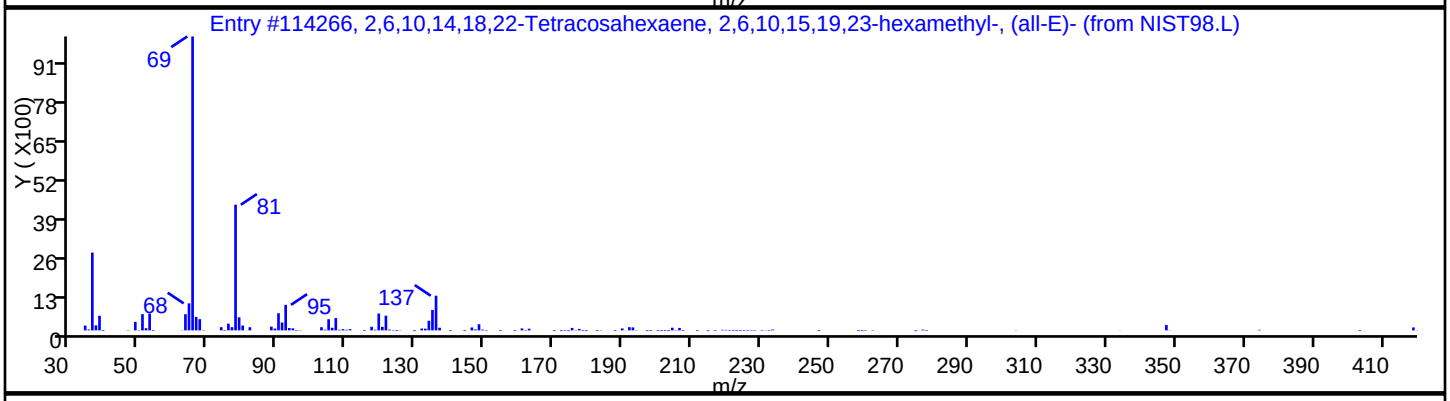
Sample Info: 360-24582-d-4-a

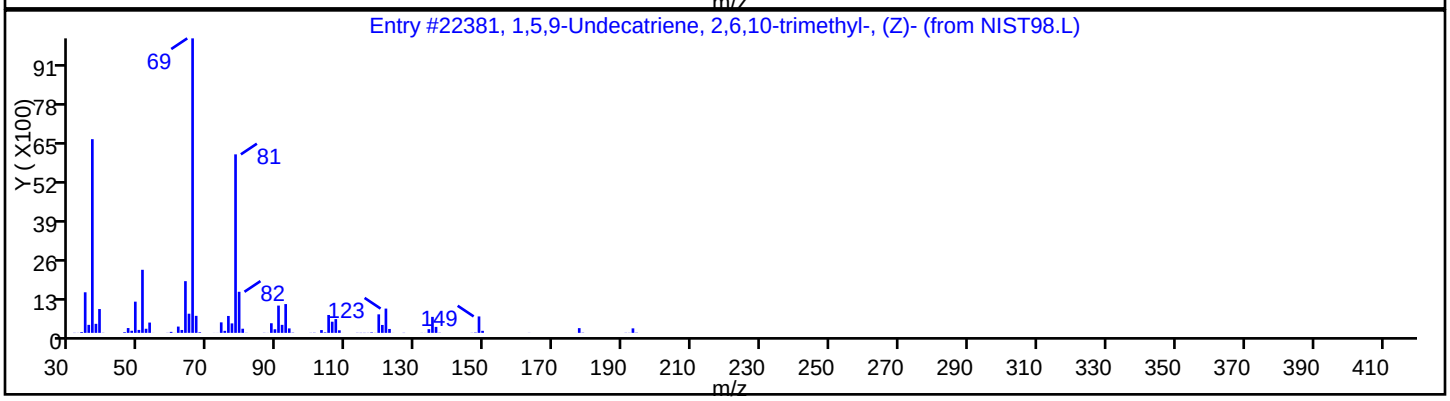
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	64









Report Date: 28-Sep-2009 07:19:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10563.D

Inj Date: 26-Sep-2009 01:14:30 Limit Group: SMS - 8270LL SVOA Calibration

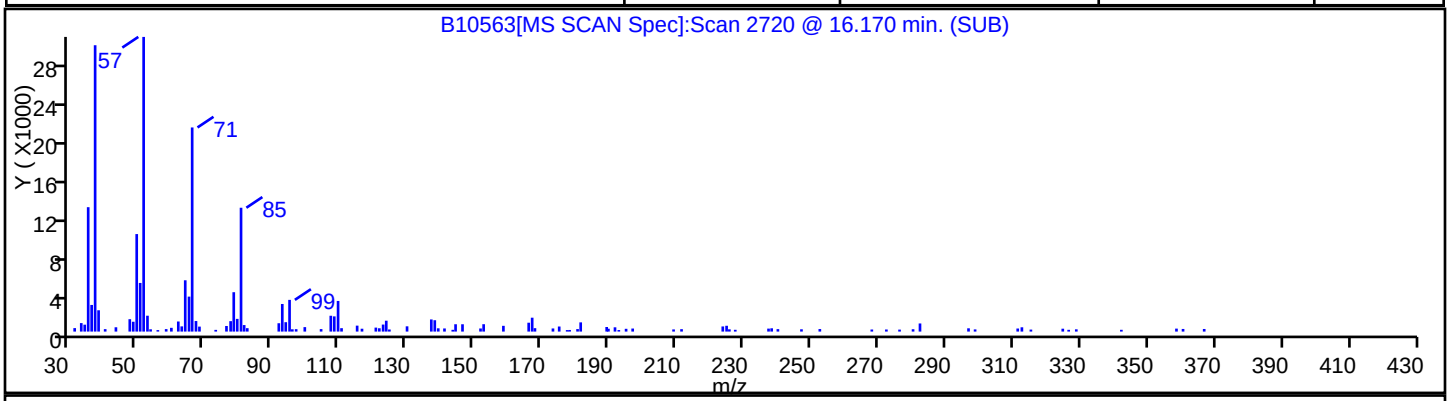
Lims Batch ID: 49511 Lims Sample ID: 20

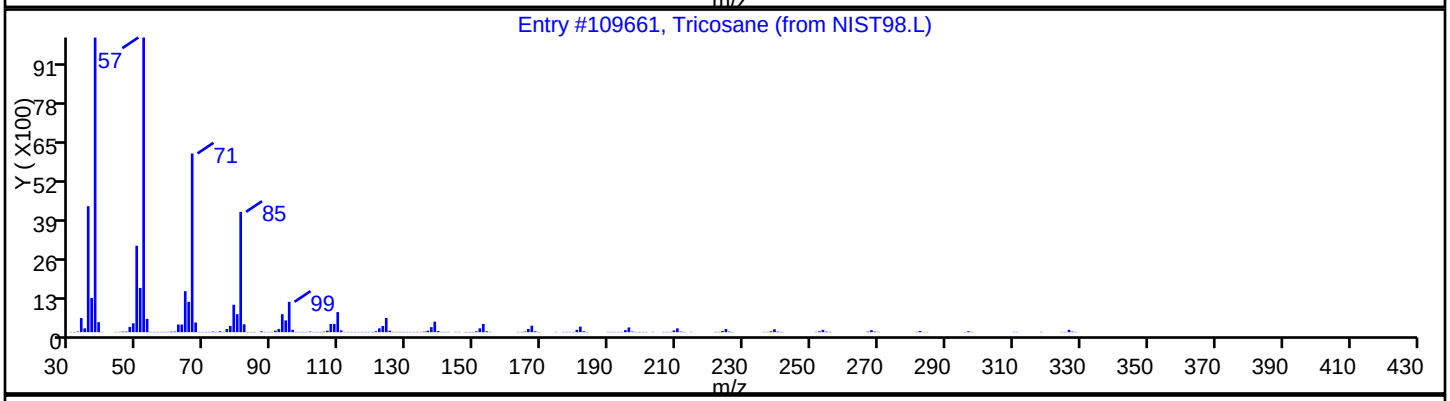
Client ID: OC-EBK-010 Instrument: Inst. B

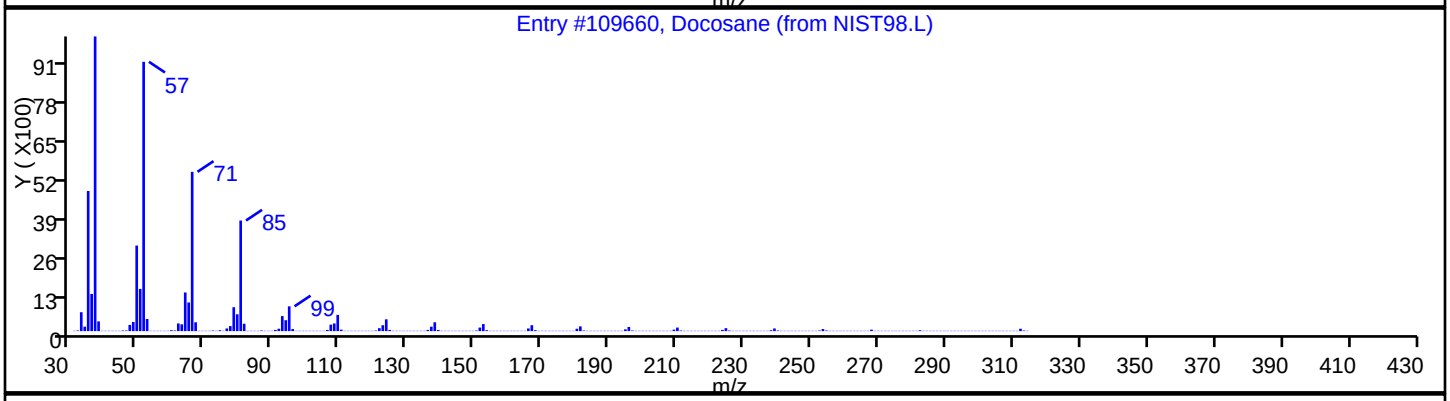
Sample Info: 360-24582-d-4-a

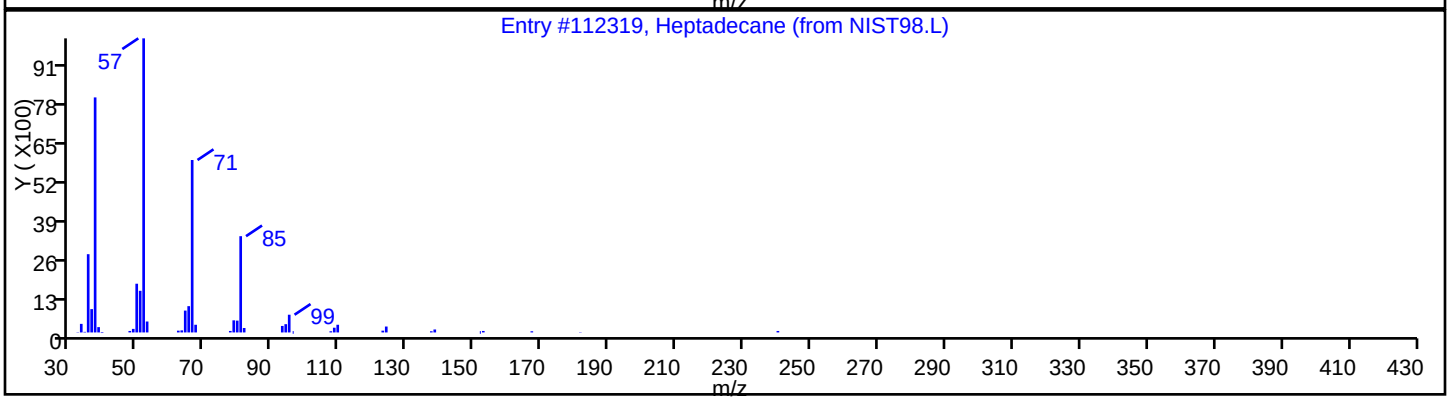
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	95
Docosane	629-97-0	NIST98.L	109660	94
Heptadecane	629-78-7	NIST98.L	112319	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: J03205.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 14:40

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.37(g) | Date Analyzed: 09/29/2009 02:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 24.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		430	130
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		430	130
120-82-1	1,2,4-Trichlorobenzene	ND		430	130
95-50-1	1,2-Dichlorobenzene	ND		430	130
541-73-1	1,3-Dichlorobenzene	ND		430	130
106-46-7	1,4-Dichlorobenzene	ND		430	130
90-12-0	1-Methylnaphthalene	ND		430	130
108-60-1	2,2'-oxybis[1-chloropropane]	ND		430	130
58-90-2	2,3,4,6-Tetrachlorophenol	ND		430	130
95-95-4	2,4,5-Trichlorophenol	ND		430	130
88-06-2	2,4,6-Trichlorophenol	ND		430	130
120-83-2	2,4-Dichlorophenol	ND	*	430	130
105-67-9	2,4-Dimethylphenol	ND		430	170
51-28-5	2,4-Dinitrophenol	ND		430	130
121-14-2	2,4-Dinitrotoluene	ND		430	130
606-20-2	2,6-Dinitrotoluene	ND		430	130
91-58-7	2-Chloronaphthalene	ND		430	130
95-57-8	2-Chlorophenol	ND		430	130
91-57-6	2-Methylnaphthalene	ND		430	130
95-48-7	2-Methylphenol	ND		430	260
88-74-4	2-Nitroaniline	ND		2200	130
88-75-5	2-Nitrophenol	ND		430	130
15831-10-4	3 & 4 Methylphenol	ND		430	130
91-94-1	3,3'-Dichlorobenzidine	ND		870	130
99-09-2	3-Nitroaniline	ND		2200	130
534-52-1	4,6-Dinitro-2-methylphenol	ND		2200	130
101-55-3	4-Bromophenyl phenyl ether	ND		430	130
59-50-7	4-Chloro-3-methylphenol	ND		870	130
106-47-8	4-Chloroaniline	ND		870	130
7005-72-3	4-Chlorophenyl phenyl ether	ND		430	130
100-01-6	4-Nitroaniline	ND		2200	130
100-02-7	4-Nitrophenol	ND		2200	130
83-32-9	Acenaphthene	ND		430	130
208-96-8	Acenaphthylene	ND		430	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: J03205.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 14:40

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.37(g) | Date Analyzed: 09/29/2009 02:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 24.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		430	130
62-53-3	Aniline	ND	*	430	130
120-12-7	Anthracene	ND		430	130
1912-24-9	Atrazine	ND		430	130
103-33-3	Azobenzene	ND		430	130
100-52-7	Benzaldehyde	ND		430	130
56-55-3	Benzo[a]anthracene	130	J	430	130
50-32-8	Benzo[a]pyrene	170	J	430	130
205-99-2	Benzo[b]fluoranthene	190	J	430	130
191-24-2	Benzo[g,h,i]perylene	170	J	430	130
207-08-9	Benzo[k]fluoranthene	190	J	430	130
65-85-0	Benzoic acid	720	J B	2200	200
119-61-9	Benzophenone	ND		430	130
100-51-6	Benzyl alcohol	ND		870	370
111-91-1	Bis(2-chloroethoxy)methane	ND		430	130
111-44-4	Bis(2-chloroethyl)ether	ND		430	130
117-81-7	Bis(2-ethylhexyl) phthalate	270	J B	430	130
85-68-7	Butyl benzyl phthalate	ND		430	130
105-60-2	Caprolactam	ND		430	130
86-74-8	Carbazole	ND		430	130
218-01-9	Chrysene	240	J	430	130
53-70-3	Dibenz(a,h)anthracene	310	J	430	130
132-64-9	Dibenzofuran	ND		430	130
84-66-2	Diethyl phthalate	ND		430	130
131-11-3	Dimethyl phthalate	ND		430	130
84-74-2	Di-n-butyl phthalate	ND		430	380
117-84-0	Di-n-octyl phthalate	ND		430	220
101-84-8	Diphenyl oxide	ND		430	130
206-44-0	Fluoranthene	390	J	430	130
86-73-7	Fluorene	ND		430	130
118-74-1	Hexachlorobenzene	ND		430	130
87-68-3	Hexachlorobutadiene	ND		430	130
77-47-4	Hexachlorocyclopentadiene	ND		870	130
67-72-1	Hexachloroethane	ND		430	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: J03205.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 14:40

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.37(g) | Date Analyzed: 09/29/2009 02:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 24.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	170	J *	430	130
78-59-1	Isophorone	ND		430	130
91-20-3	Naphthalene	ND		1000	130
98-95-3	Nitrobenzene	ND		430	130
62-75-9	N-Nitrosodimethylamine	ND		430	150
621-64-7	N-Nitrosodi-n-propylamine	ND		430	130
86-30-6	N-Nitrosodiphenylamine	ND		430	130
87-86-5	Pentachlorophenol	ND		430	130
85-01-8	Phenanthrene	280	J	520	130
108-95-2	Phenol	ND		430	130
129-00-0	Pyrene	380	J	430	130

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	63	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	56	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	62	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-400-0.0/1.0-XXX | Lab Sample ID: 360-24582-5

Matrix: Solid | Lab File ID: J03205.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 14:40

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.37(g) | Date Analyzed: 09/29/2009 02:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 24.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 21520

CAS NO.	COMPOUND NAME	RT	RESULT	Q
544-76-3	Hexadecane	15.00	560	T J N
19047-85-9	Phosphonic acid, dioctadecyl ester	15.03	2200	T J N
297-3-0	Cyclotetracosane	15.73	4100	T J N
638-66-4	Octadecanal	15.85	280	T J N
593-45-3	Octadecane	16.01	280	T J N
67860-4-2	Oxirane, heptadecyl-	16.18	2200	T J N
646-31-1	Tetracosane	16.34	4700	T J N
297-3-0	Cyclotetracosane	16.41	3600	T J N
545-47-1	Lupeol	19.83	3600	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Lims ID:	360-24582-A-5-C	Client ID:	OC-SS-400-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 02:10:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-5-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49648	Lims Sample ID:	24
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:53:33	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 08:53:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	56212	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	141028	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	72973	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	123473	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	78108	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	50158	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	9270	0.5576	
$ 8 Phenol-d5	99	7.686	7.680	0.006	11286	0.5737	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	6318	0.3190	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	11770	0.2789	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	2652	0.6270	
$ 12 Terphenyl-d14	244	14.202	14.201	0.001	8661	0.3082	
17 Benzaldehyde	105	7.599	7.599	0.000	2496	0.2430	
18 Phenol	94	7.700	7.695	0.005	481	0.0228	
30 Acetophenone	105	8.469	8.469	0.000	703	0.0305	
36 Benzoic acid	105	9.022	9.037	-0.014	4095	1.65	
41 Naphthalene	128	9.369	9.368	0.001	4058	0.0718	
46 2-Methylnaphthalene	142	10.056	10.056	0.000	1733	0.0467	
47 1-Methylnaphthalene	142	10.172	10.171	0.001	1521	0.0421	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	1013	0.0228	
58 Acenaphthylene	152	10.984	10.984	0.000	3404	0.0633	
61 Acenaphthene	153	11.167	11.167	0.000	564	0.0159	
64 Dibenzofuran	168	11.321	11.321	0.000	1198	0.0244	
69 Fluorene	166	11.667	11.672	-0.005	1478	0.0371	
72 N-Nitrosodiphenylamine	169	11.768	11.768	0.000	1256	0.0376	
80 Phenanthrene	178	12.639	12.643	-0.004	32965	0.6467	
81 Anthracene	178	12.682	12.686	-0.004	2726	0.0482	
83 Carbazole	167	12.841	12.840	0.001	2647	0.0599	

Report Date: 30-Sep-2009 08:53:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	3250	0.0504	
87 Fluoranthene	202	13.846	13.850	-0.004	45944	0.8997	
85 Pyrene	202	14.091	14.091	0.000	40137	0.8729	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	17114	0.6166	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	9597	0.3042	
94 Chrysene	228	15.404	15.408	-0.004	17181	0.5463	
97 Benzo[b]fluoranthene	252	16.539	16.543	-0.004	12285	0.4299	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	11733	0.4465	M
99 Benzo[a]pyrene	252	16.943	16.947	-0.004	7326	0.3985	
101 Dibenz(a,h)anthracene	278	18.534	18.544	-0.010	2347	0.7123	
100 Indeno[1,2,3-cd]pyrene	276	18.558	18.553	0.005	5190	0.3958	
102 Benzo[g,h,i]perylene	276	19.025	19.020	0.005	4895	0.3959	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Lims ID:	360-24582-A-5-C	Client ID:	OC-SS-400-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 02:10:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-5-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49648	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:53:33	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:53:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	14.158	36	0.8806	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
121-33-5 Vanillin						
10.590	39581	0.2450	3	90	68312	
629-78-7 Heptadecane						
14.288	45620	0.4905	5	93	16420	
1000130-79-8 13-Tertadecen-1-ol acetate						
14.322	152795	1.64	5	86	6938	
67860-4-2 Oxirane, heptadecyl-						
14.798	43006	0.4624	5	93	32326	
544-76-3 Hexadecane						
14.995	118706	1.28	5	96	112410	
19047-85-9 Phosphonic acid, dioctadecyl ester						
15.033	469308	5.05	5	91	13890	
77899-10-6 (Z)14-Tricosenyl formate						
15.154	45407	0.4882	5	87	14168	
18633-25-5 Oxirane, tridecyl-						
15.505	108403	1.17	5	93	1806	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
629-78-7 Heptadecane						
15.673	262797	2.83	5	95	109557	
297-3-0 Cyclotetracosane						
15.731	883043	9.50	5	99	33283	
638-66-4 Octadecanal						
15.846	60244	0.6478	5	91	4350	
593-45-3 Octadecane						
16.005	59861	0.6437	5	96	16439	
67860-4-2 Oxirane, heptadecyl-						
16.183	465547	5.01	5	95	32326	
646-31-1 Tetracosane						
16.337	745827	10.9	6	97	112384	
297-3-0 Cyclotetracosane						
16.414	564316	8.25	6	98	33283	
638-36-8 Hexadecane, 2,6,10,14-tetramethyl-						
17.092	461969	6.76	6	96	112575	
629-96-9 1-Eicosanol						
17.207	107546	1.57	6	95	112640	
7390-81-0 Oxirane, hexadecyl-						
17.837	337668	4.94	6	91	32327	
545-47-1 Lupeol						
19.828	558466	8.17	6	91	6029	

Quantitation Compounds

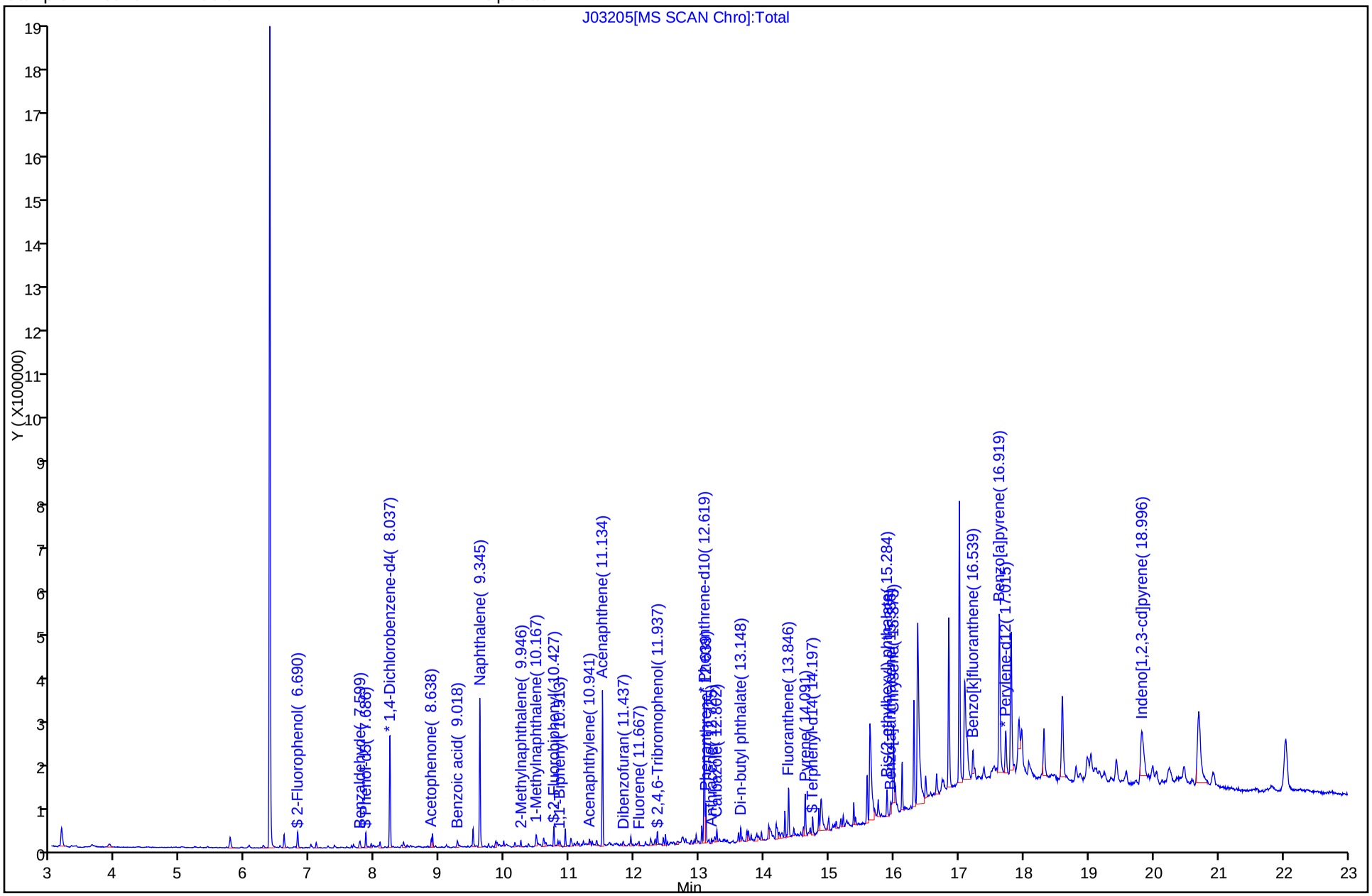
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	11.134	323055	2.00
* 5 Chrysene-d12	15.375	186001	2.00
* 6 Perylene-d12	17.015	136764	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 08:53:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

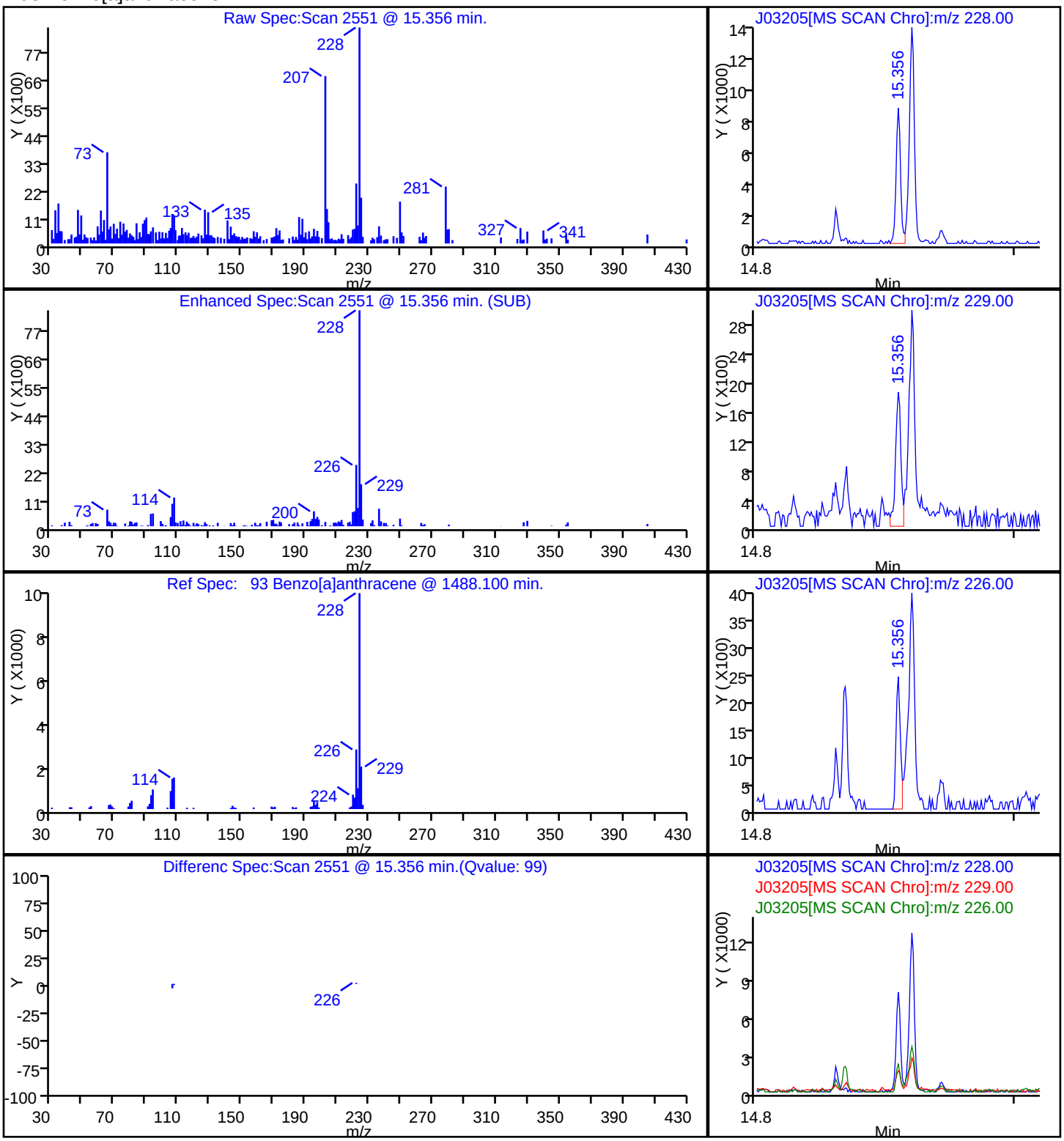
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

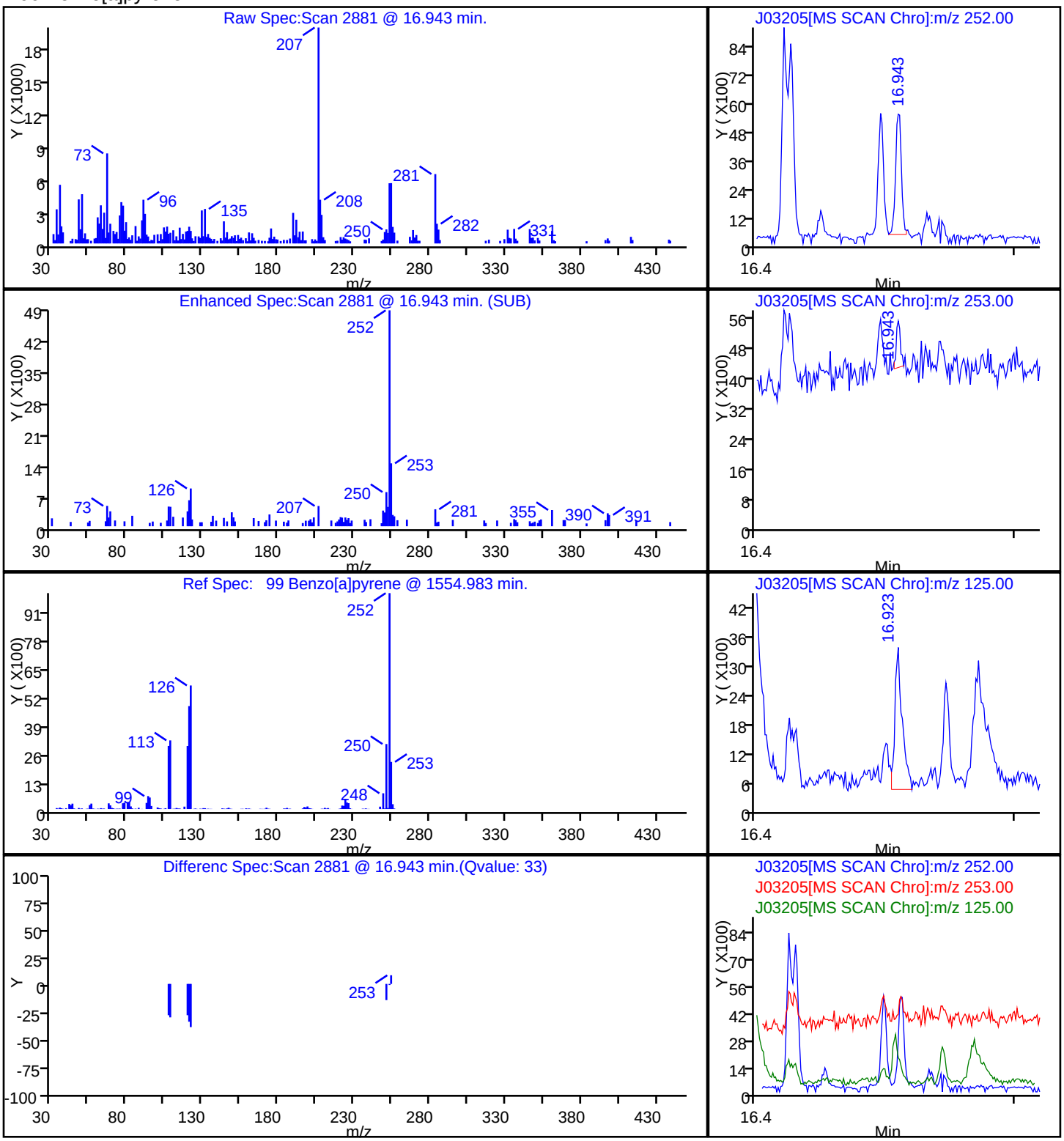
93 Benzo[a]anthracene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

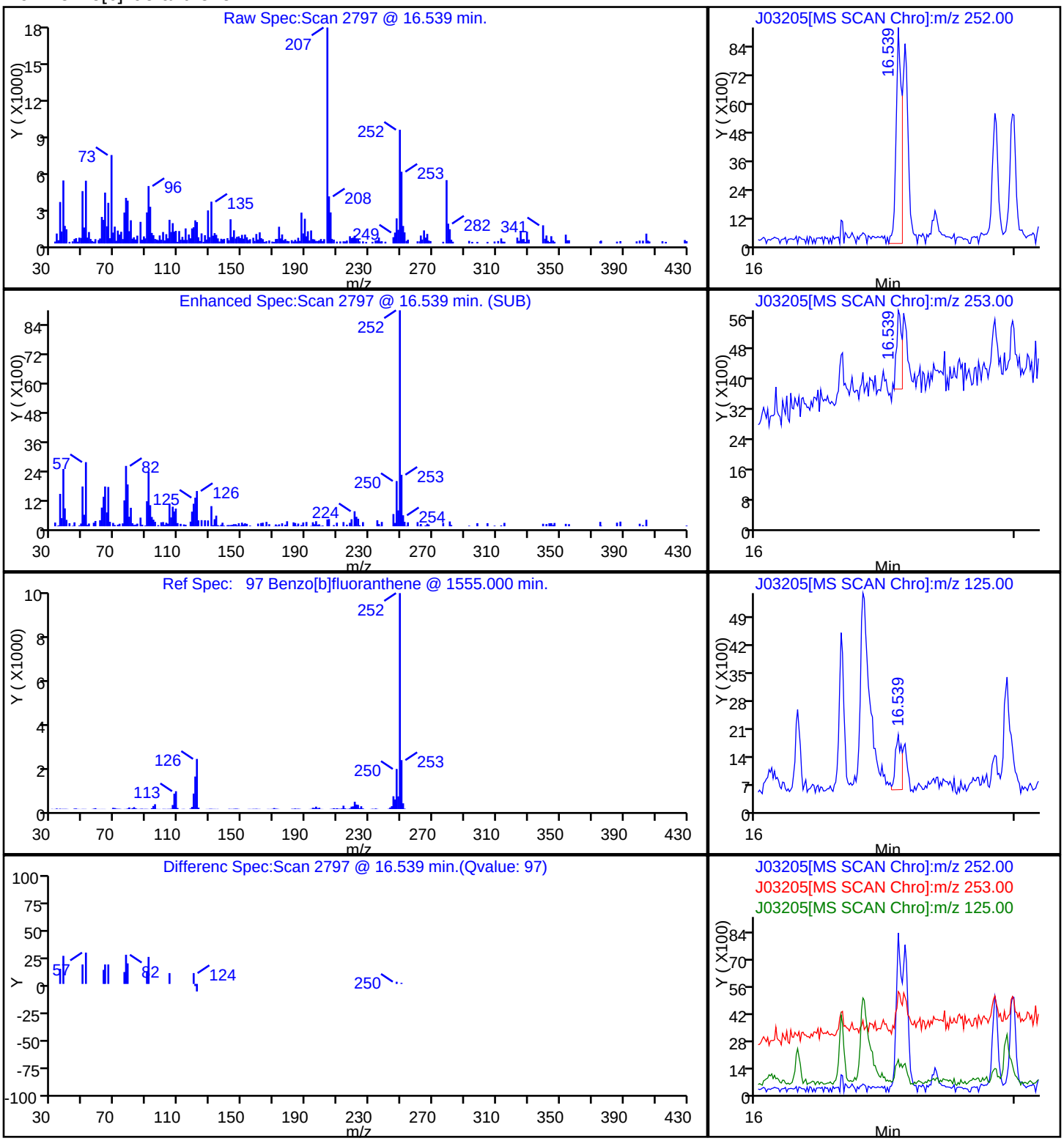
Lims Batch ID: 49648 Lims Sample ID: 24

Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-5-c 10X

Sample Amount: 1.00 ul Operator:

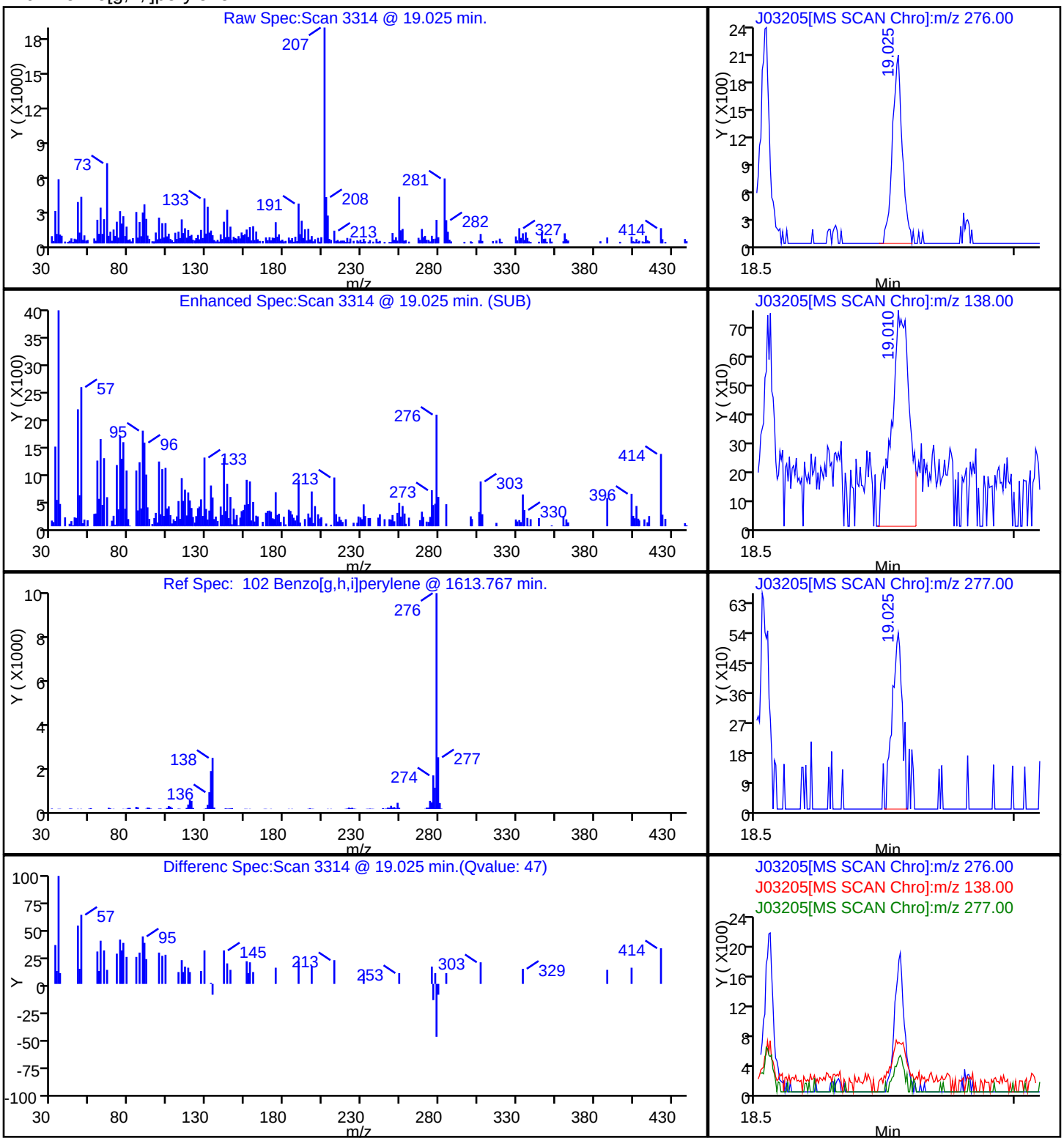
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

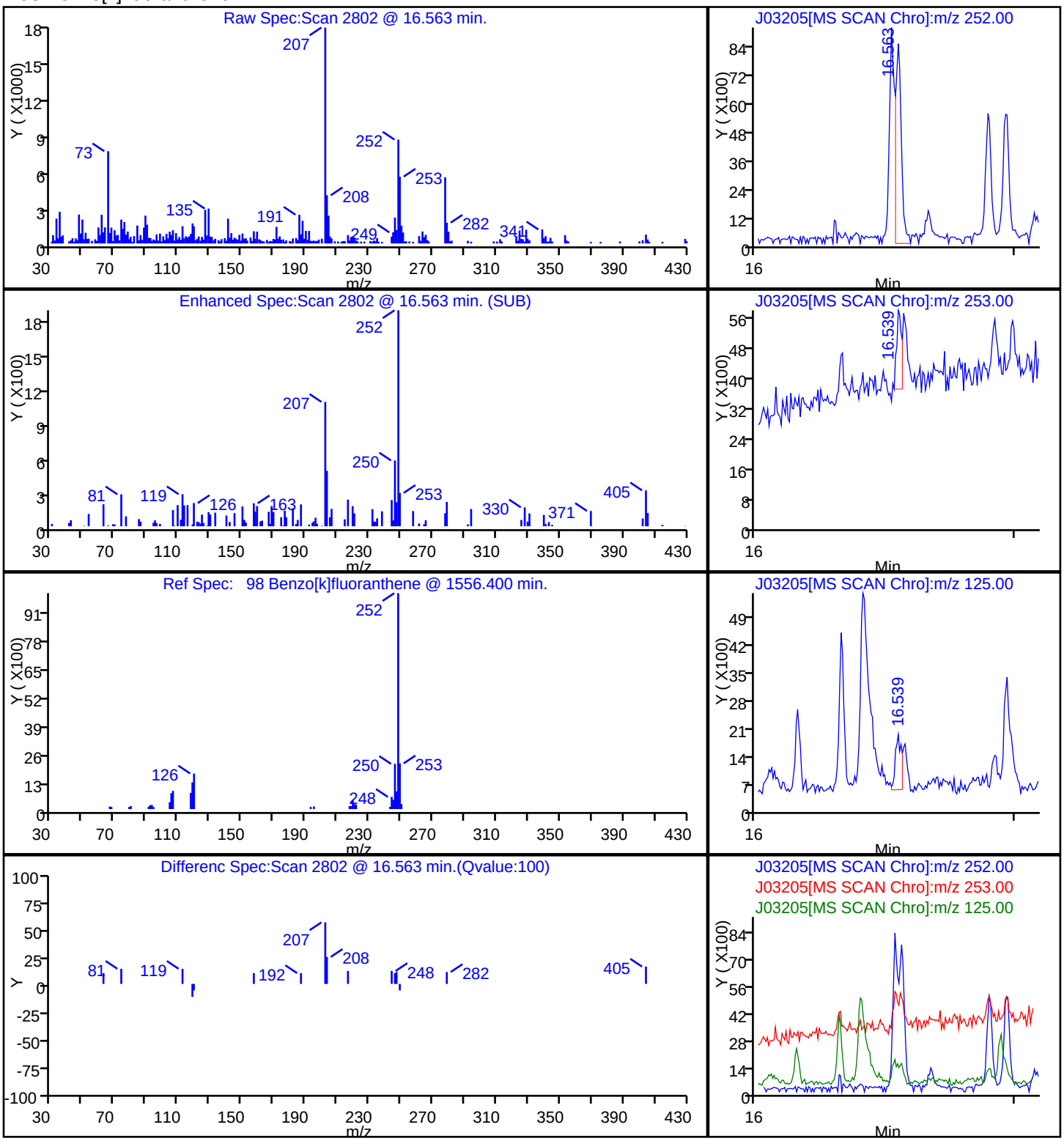
Lims Batch ID: 49648 Lims Sample ID: 24

Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-5-c 10X

Sample Amount: 1.00 ul Operator:

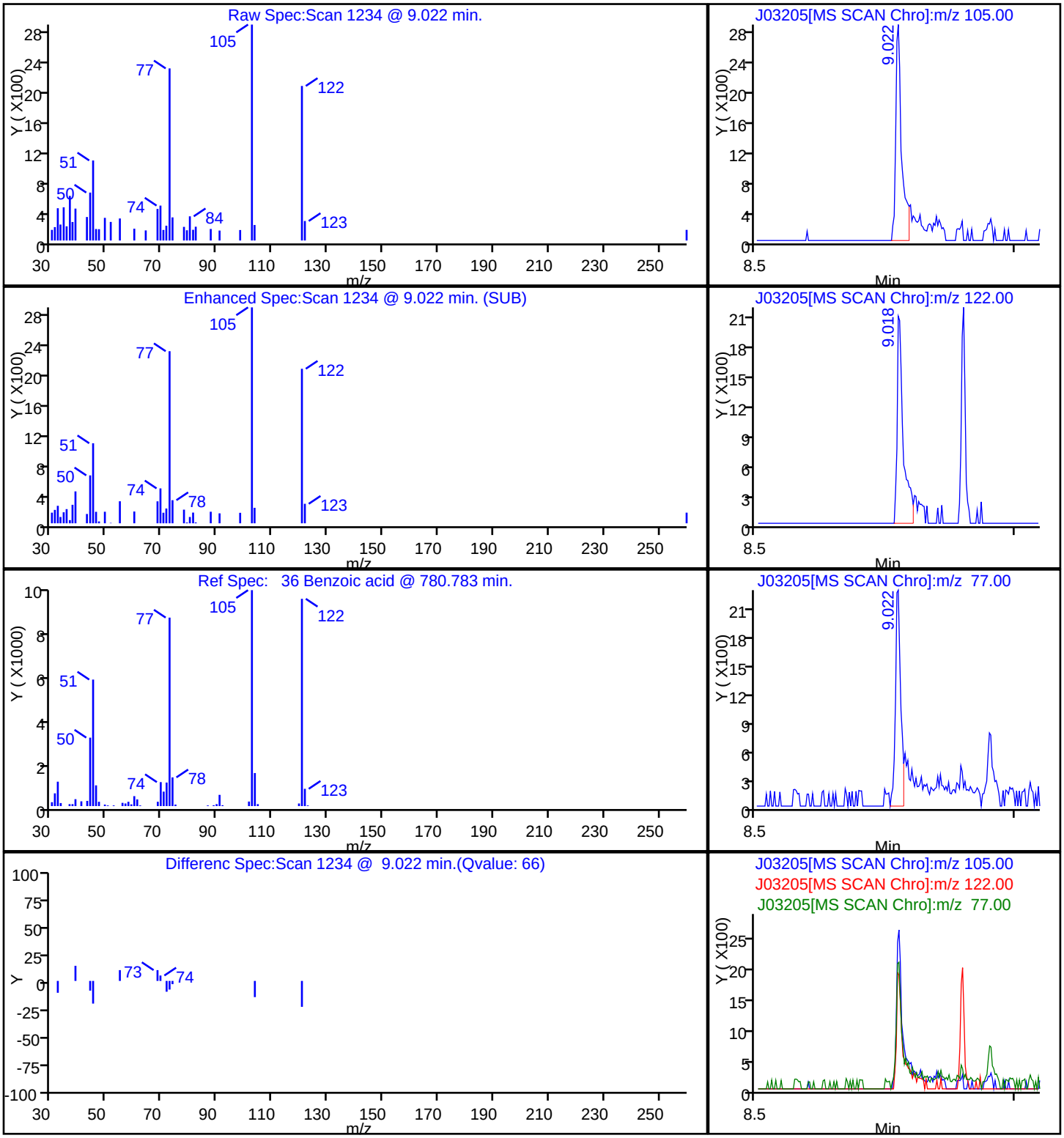
98 Benzo[k]fluoranthene



Report Date: 30-Sep-2009 08:53:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

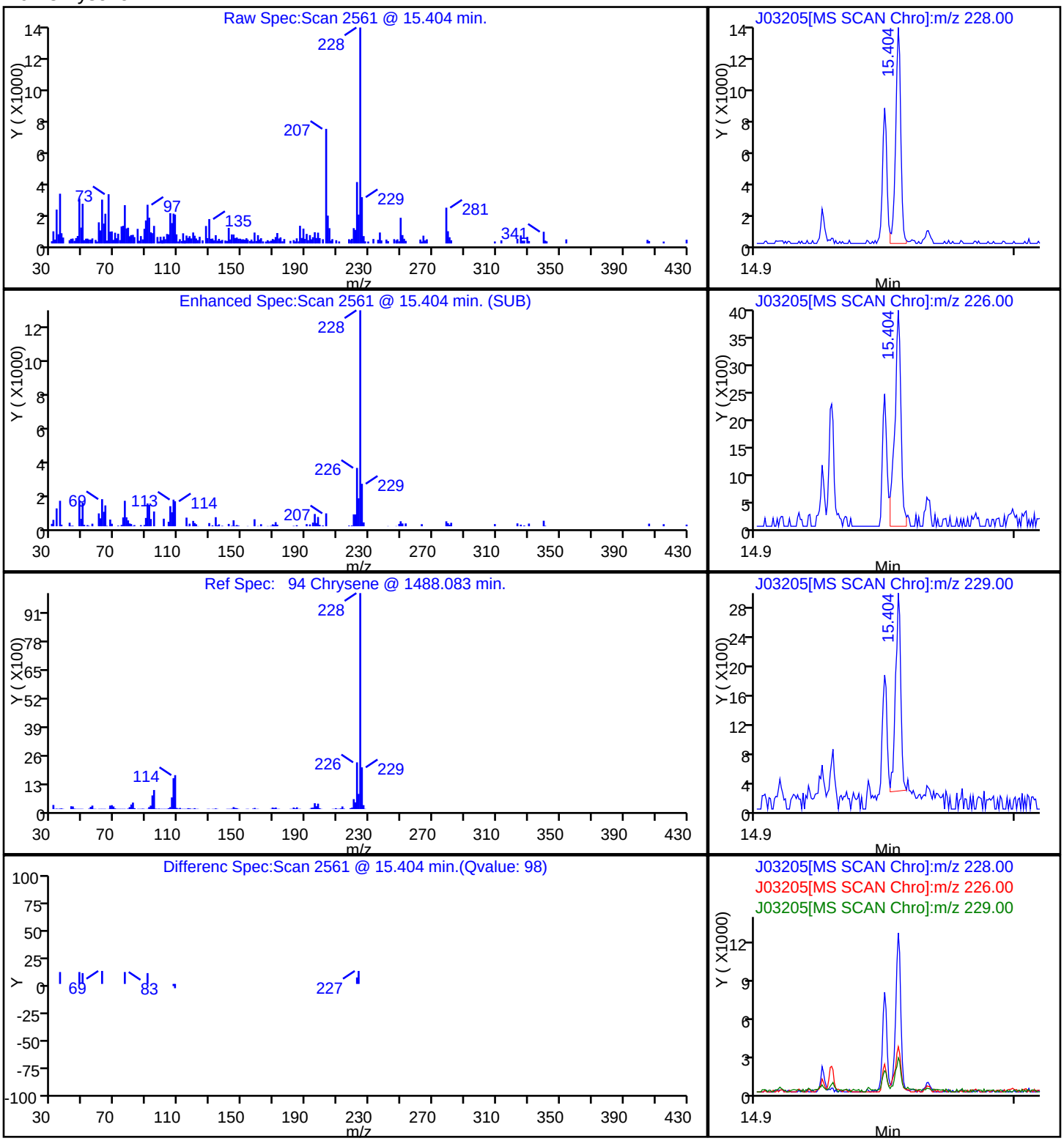
36 Benzoic acid



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

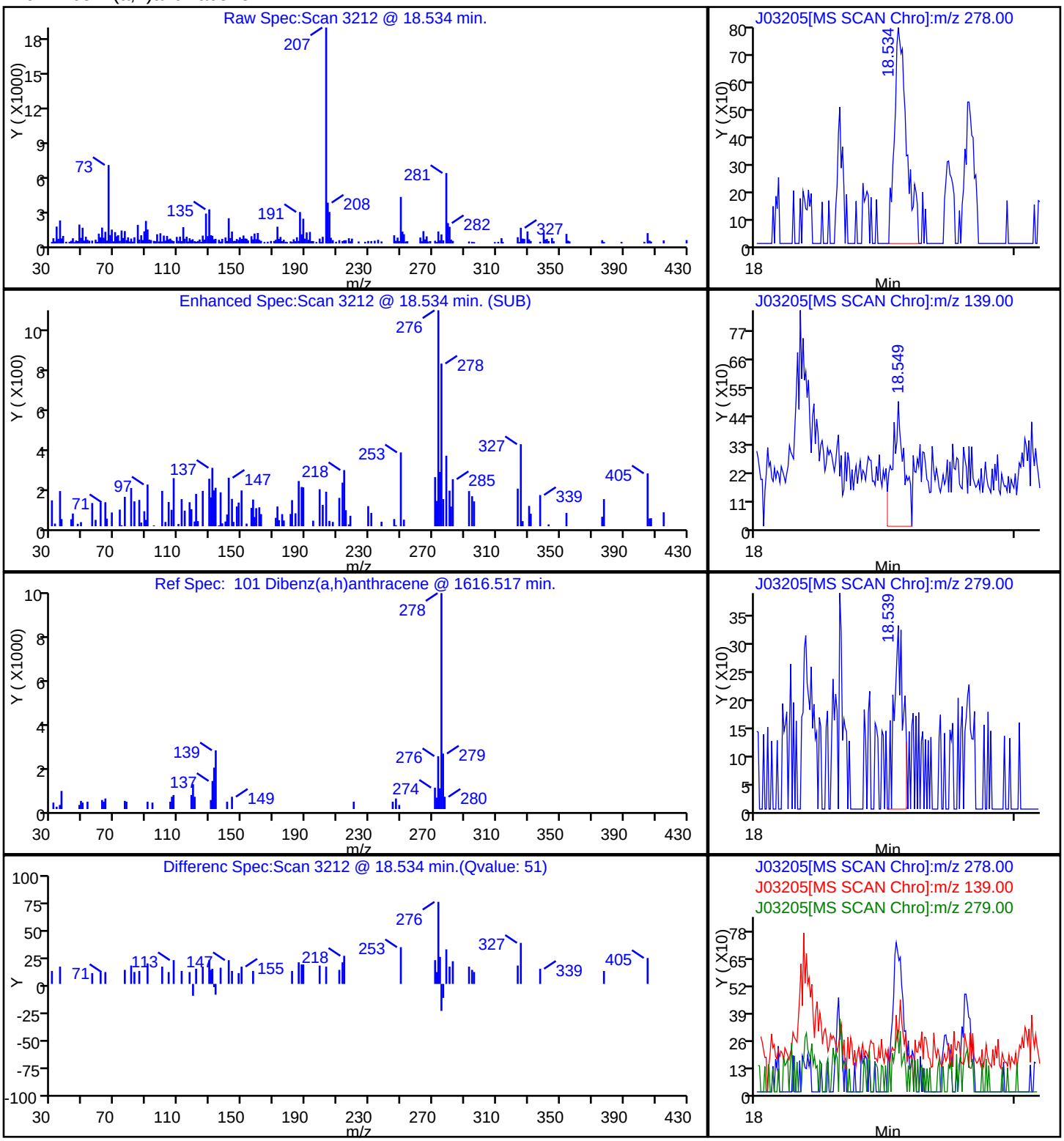
94 Chrysene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

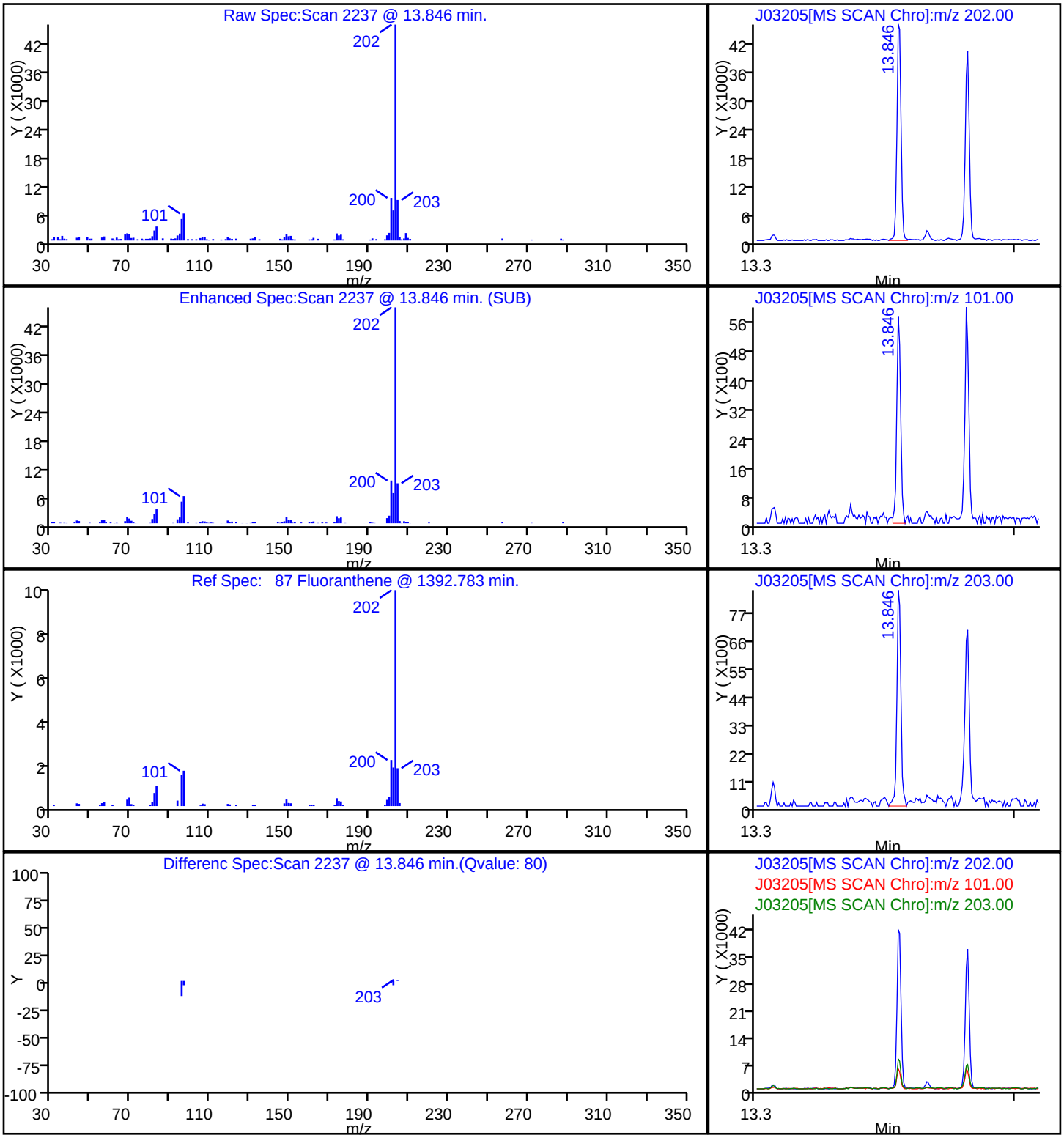
101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

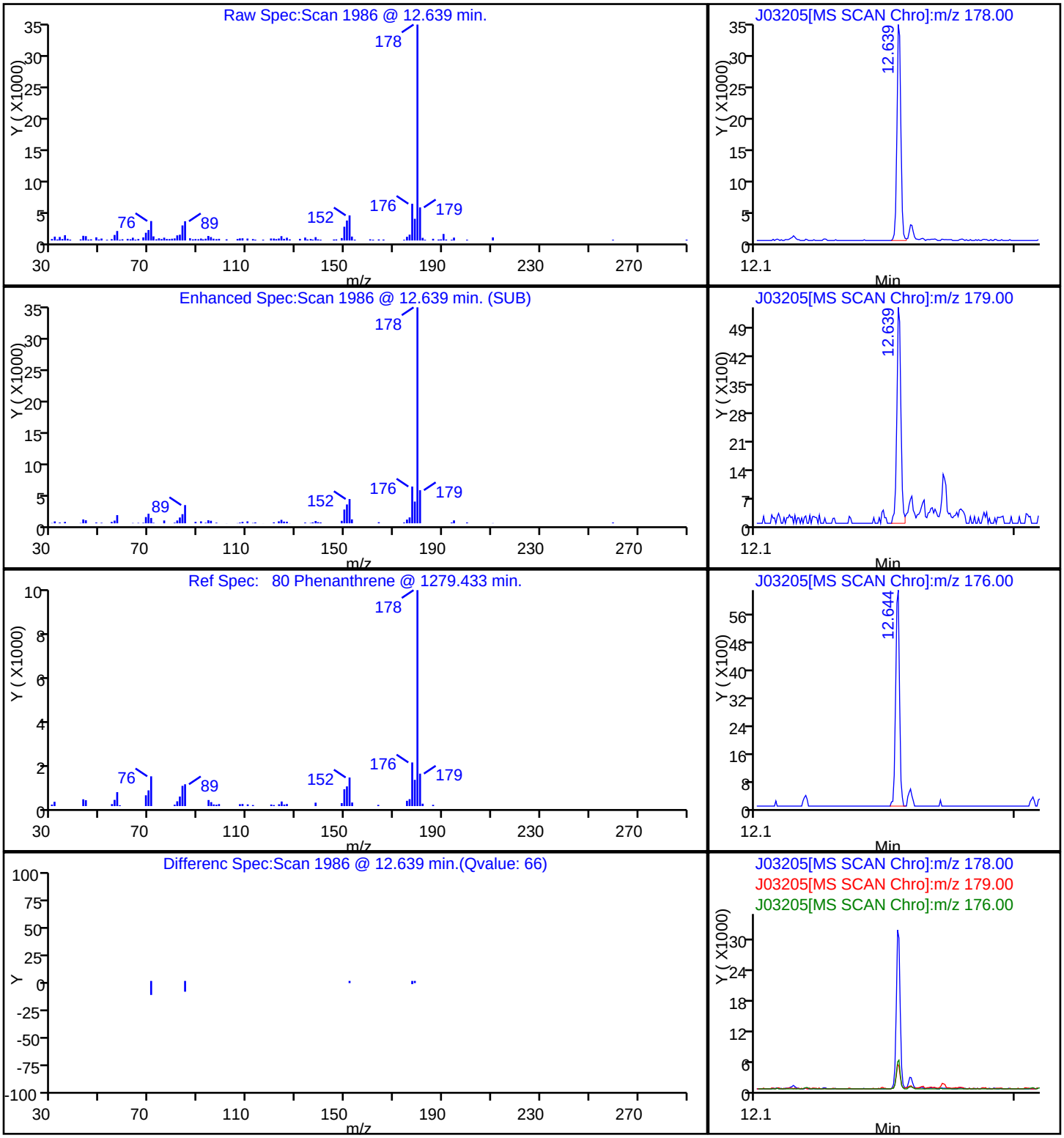
87 Fluoranthene



Report Date: 30-Sep-2009 08:53:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

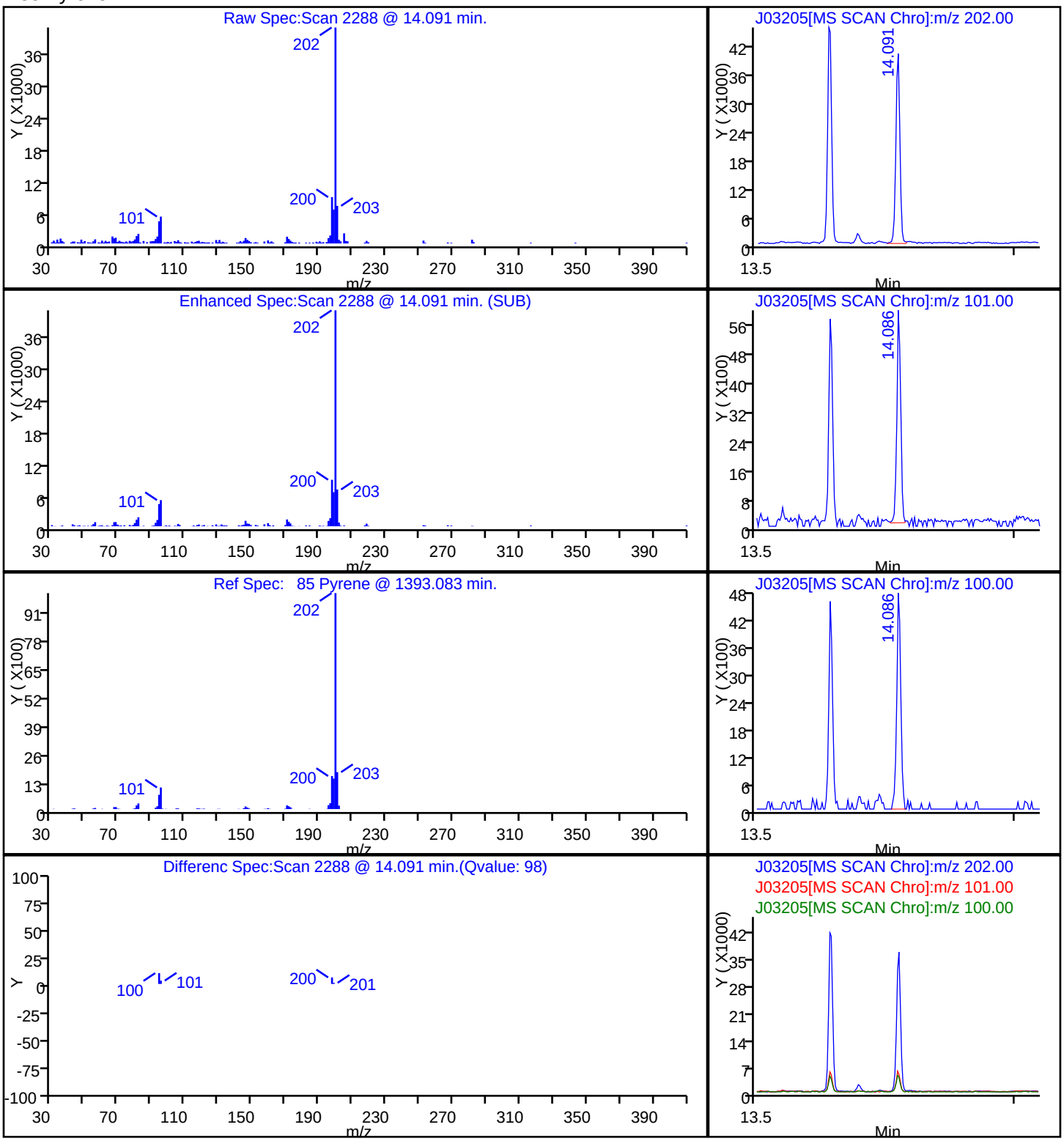
80 Phenanthrene



Report Date: 30-Sep-2009 08:53:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D		
Inj Date:	29-Sep-2009 02:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	24
Client ID:	OC-SS-400-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-5-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

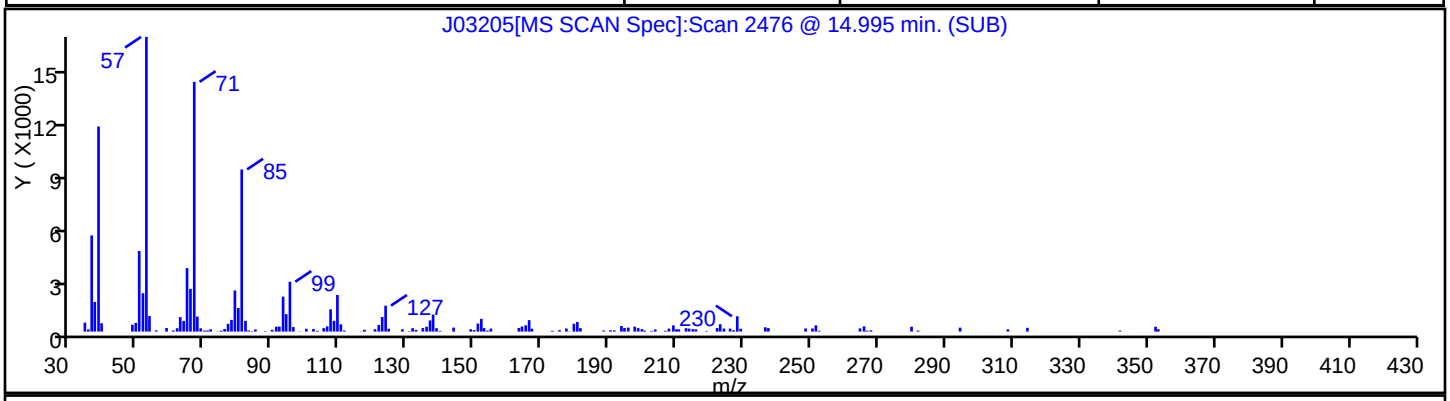
Lims Batch ID: 49648 Lims Sample ID: 24

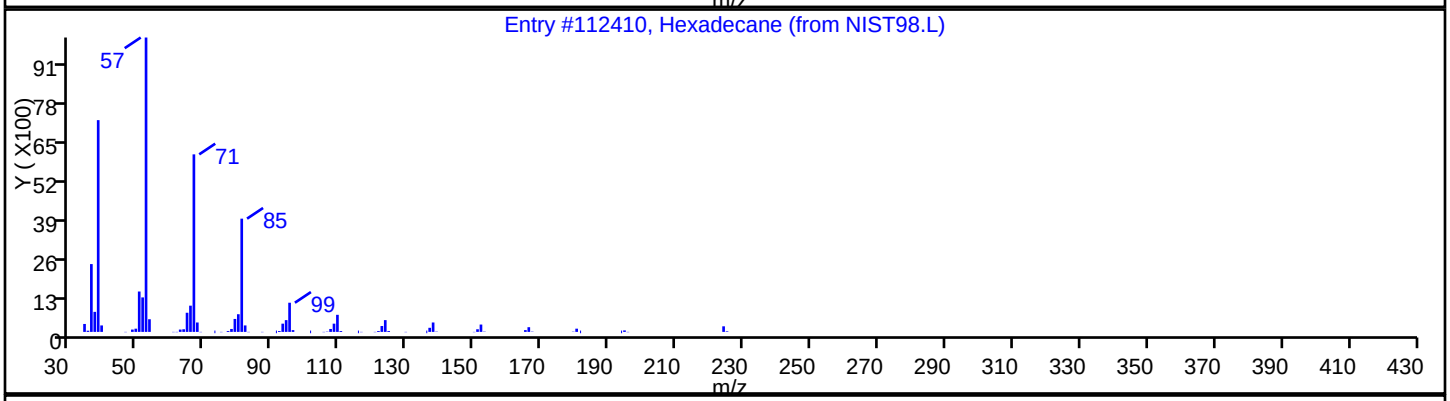
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

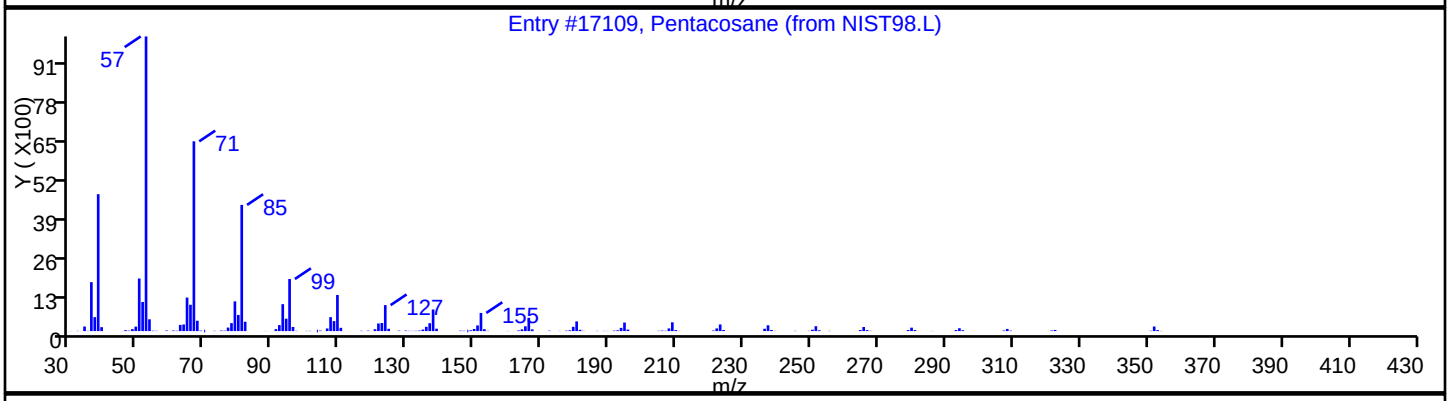
Sample Info: 360-24582-a-5-c 10X

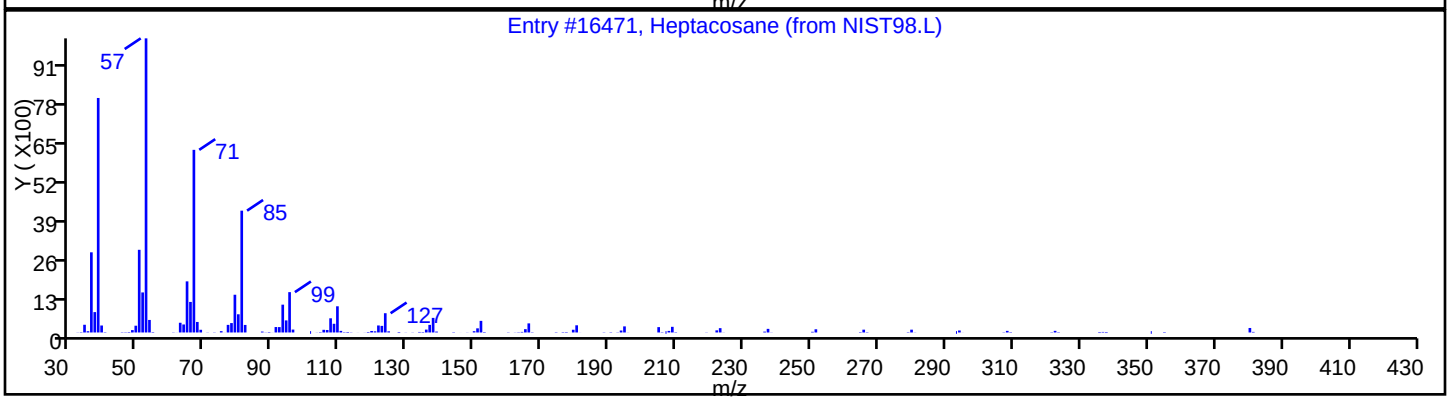
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	96
Pentacosane	629-99-2	NIST98.L	17109	95
Heptacosane	593-49-7	NIST98.L	16471	94









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

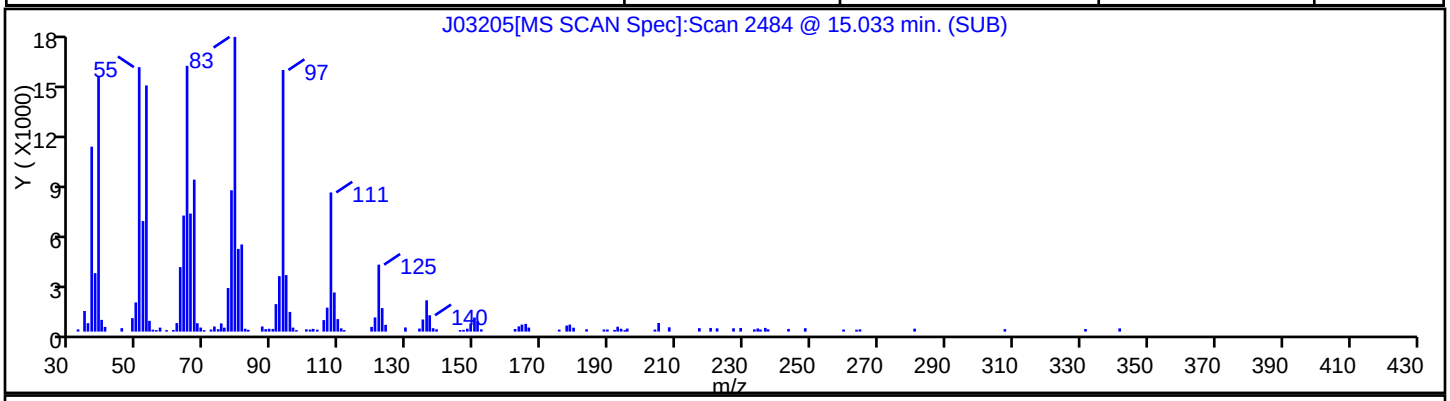
Lims Batch ID: 49648 Lims Sample ID: 24

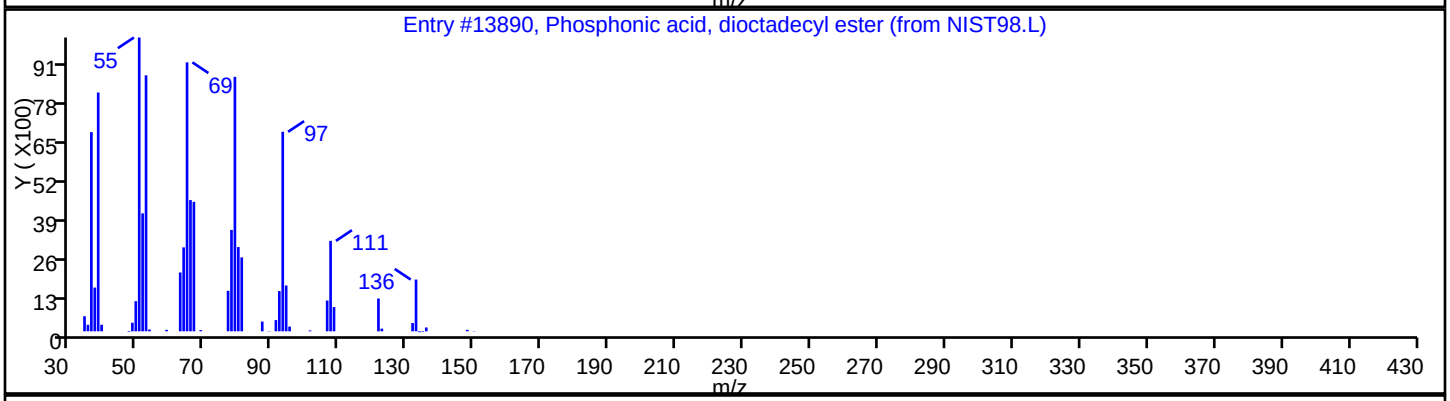
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

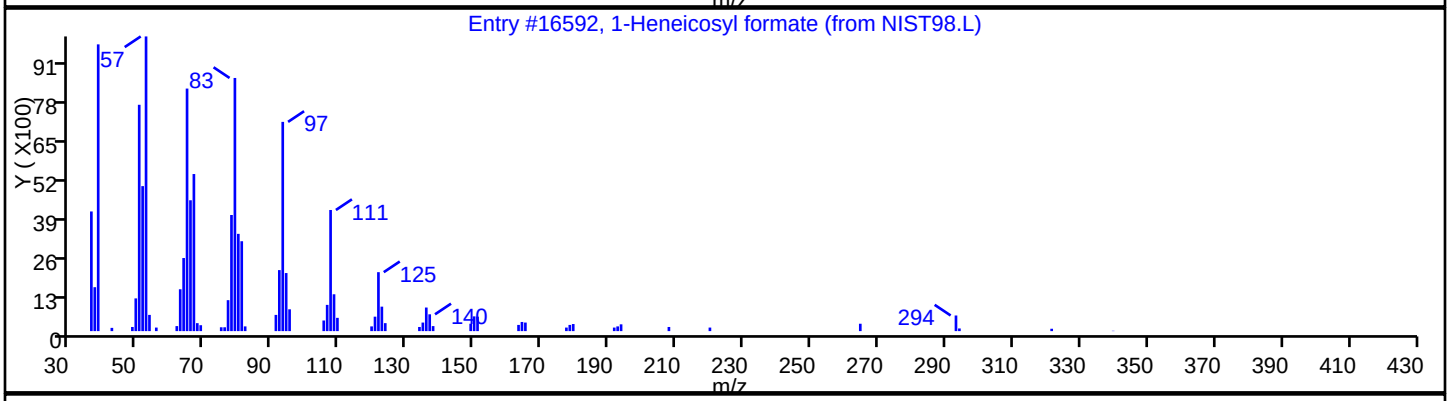
Sample Info: 360-24582-a-5-c 10X

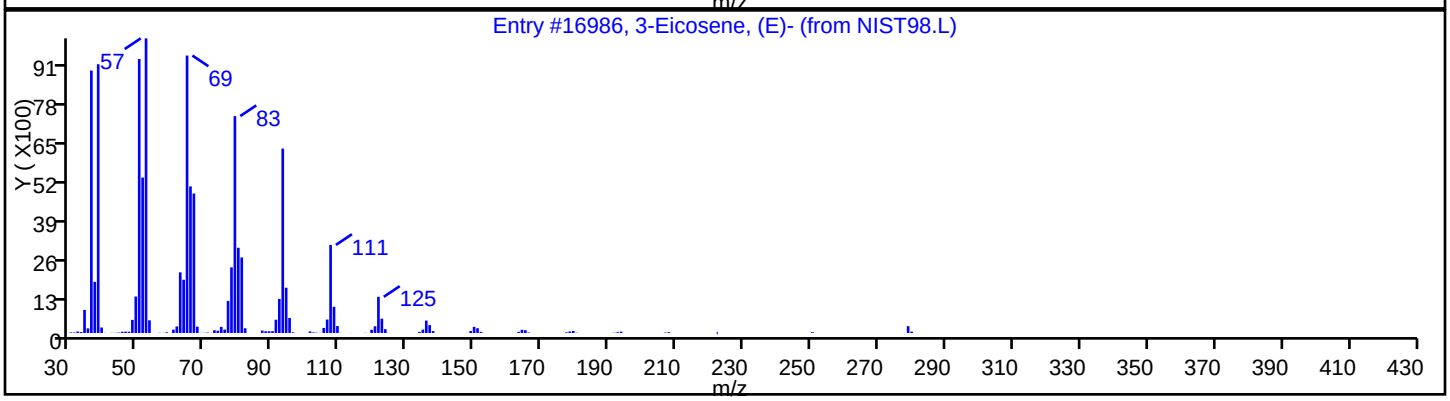
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phosphonic acid, dioctadecyl ester	19047-85-9	NIST98.L	13890	91
1-Heneicosyl formate	77899-3-7	NIST98.L	16592	91
3-Eicosene, (E)-	74685-33-9	NIST98.L	16986	91









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

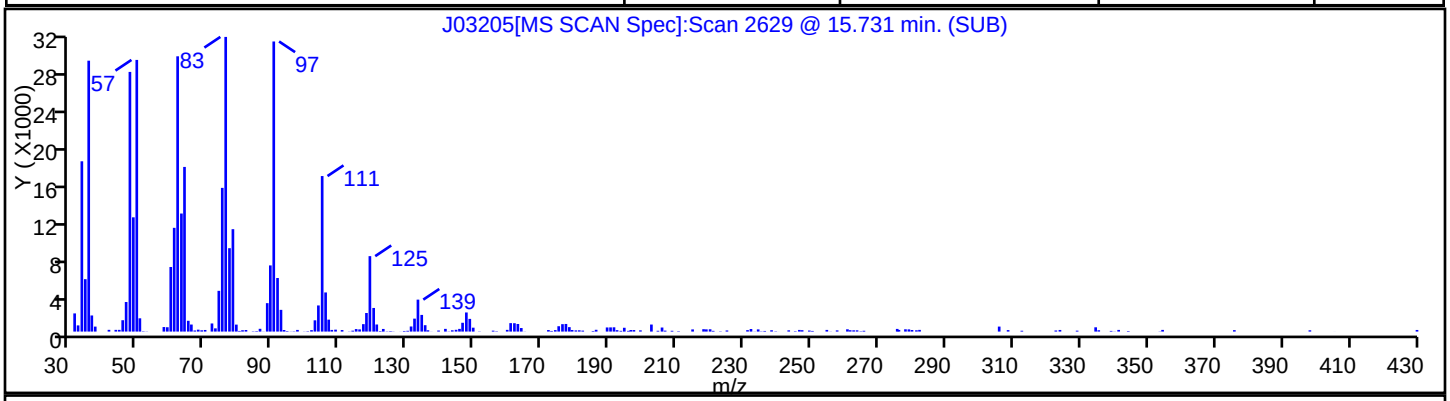
Lims Batch ID: 49648 Lims Sample ID: 24

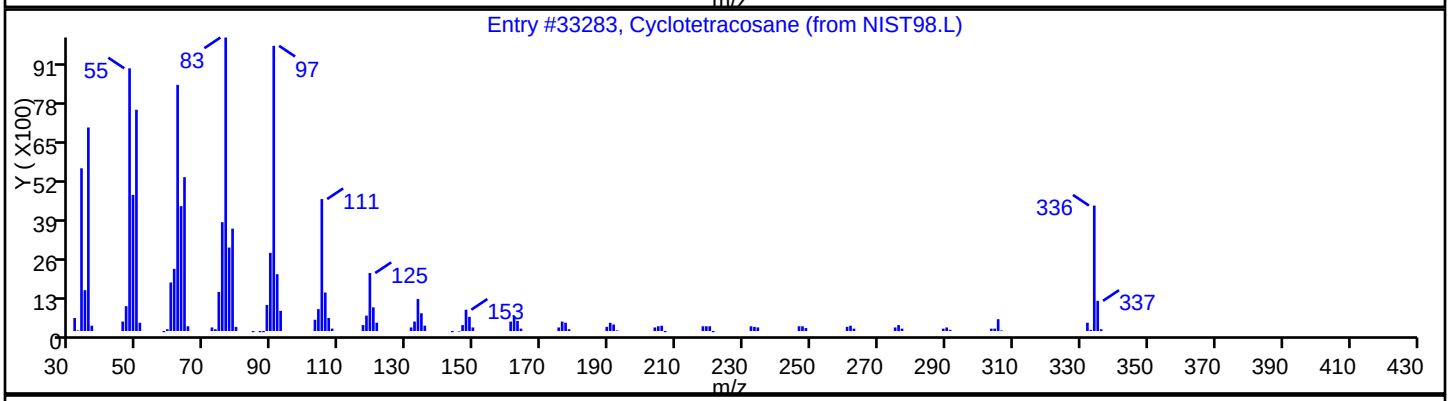
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

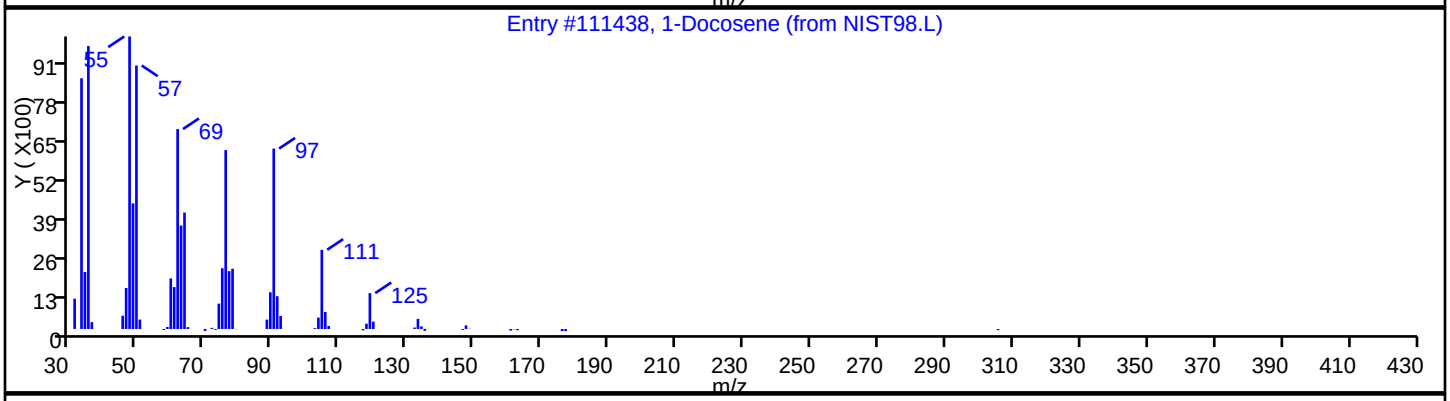
Sample Info: 360-24582-a-5-c 10X

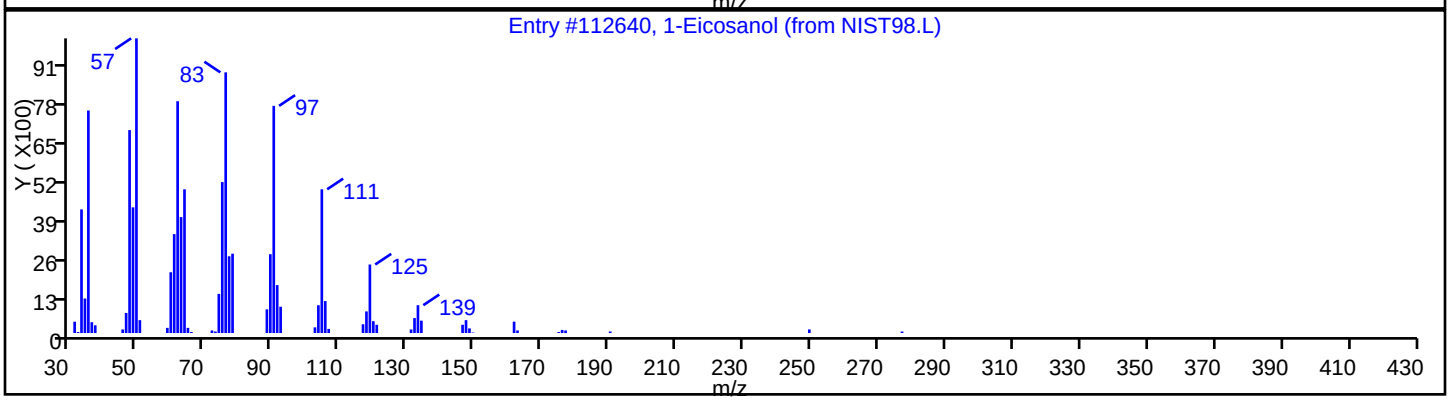
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	99
1-Docosene	1599-67-3	NIST98.L	111438	94
1-Eicosanol	629-96-9	NIST98.L	112640	94









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

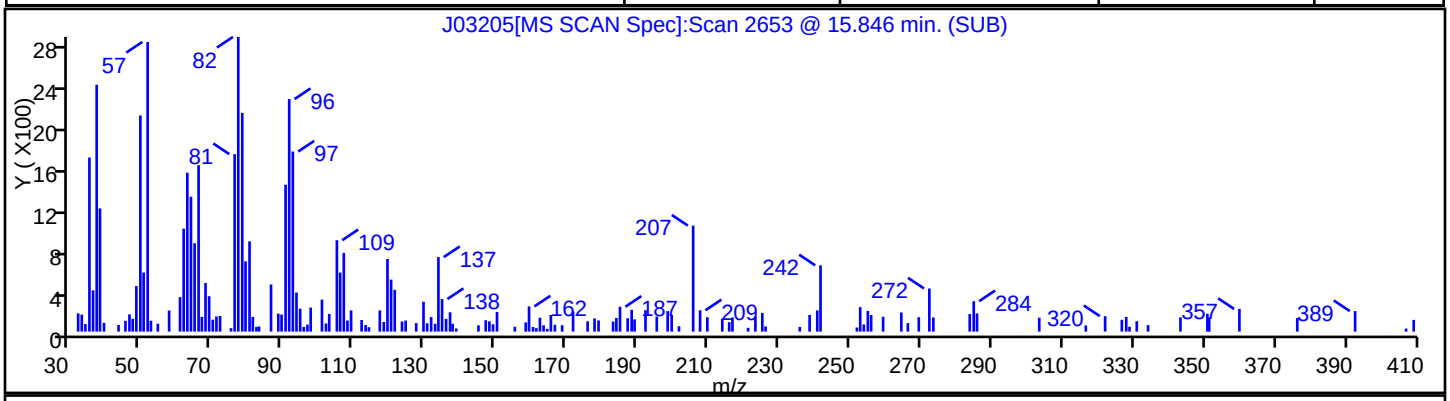
Lims Batch ID: 49648 Lims Sample ID: 24

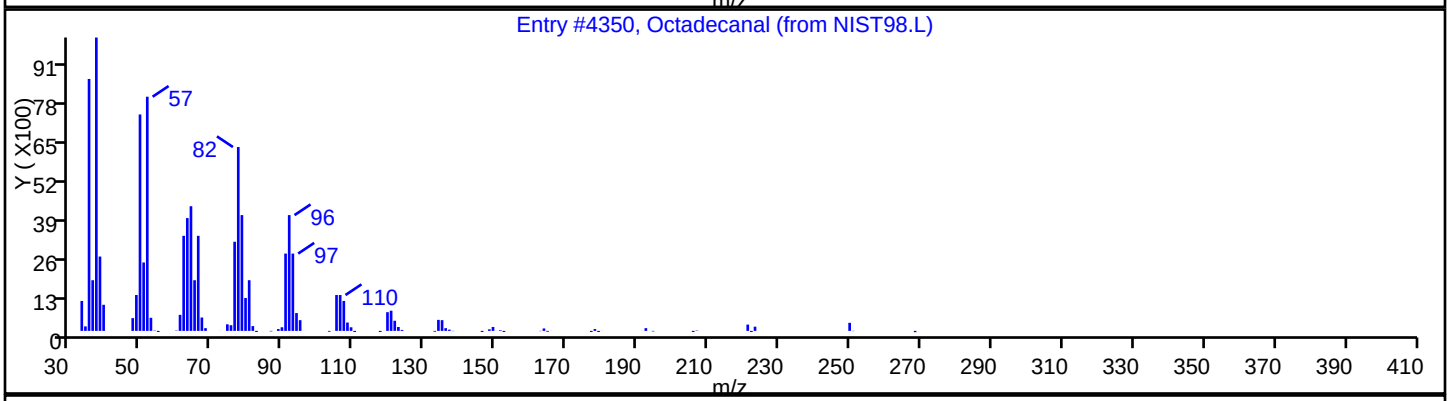
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

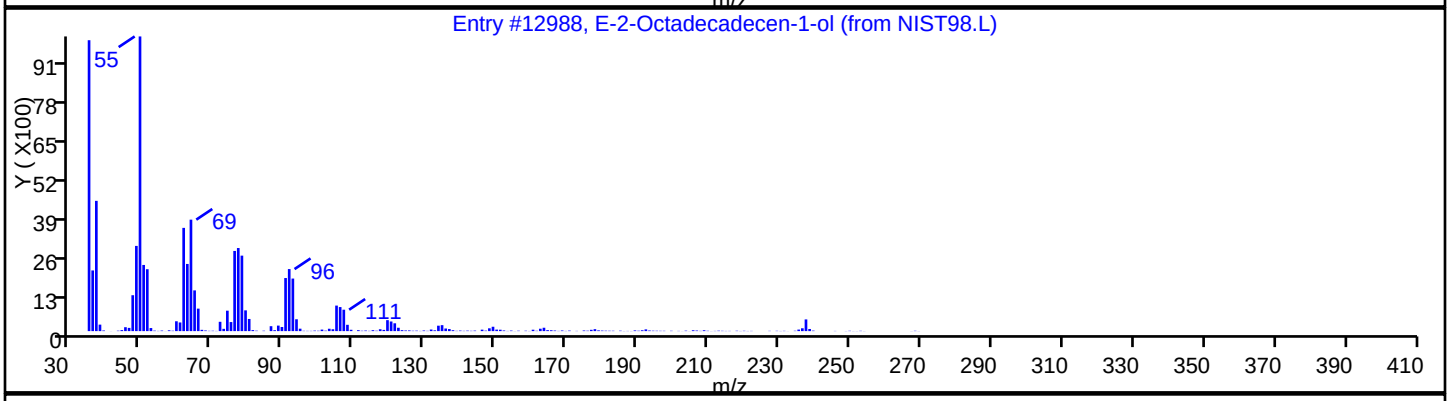
Sample Info: 360-24582-a-5-c 10X

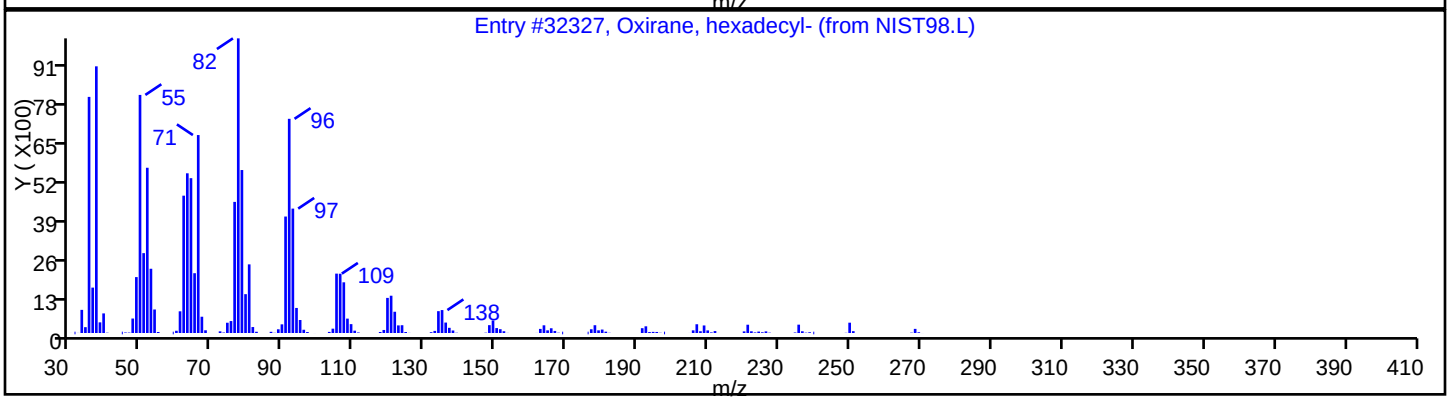
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanal	638-66-4	NIST98.L	4350	91
E-2-Octadecadecen-1-ol	1000131-10-2	NIST98.L	12988	87
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	80









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

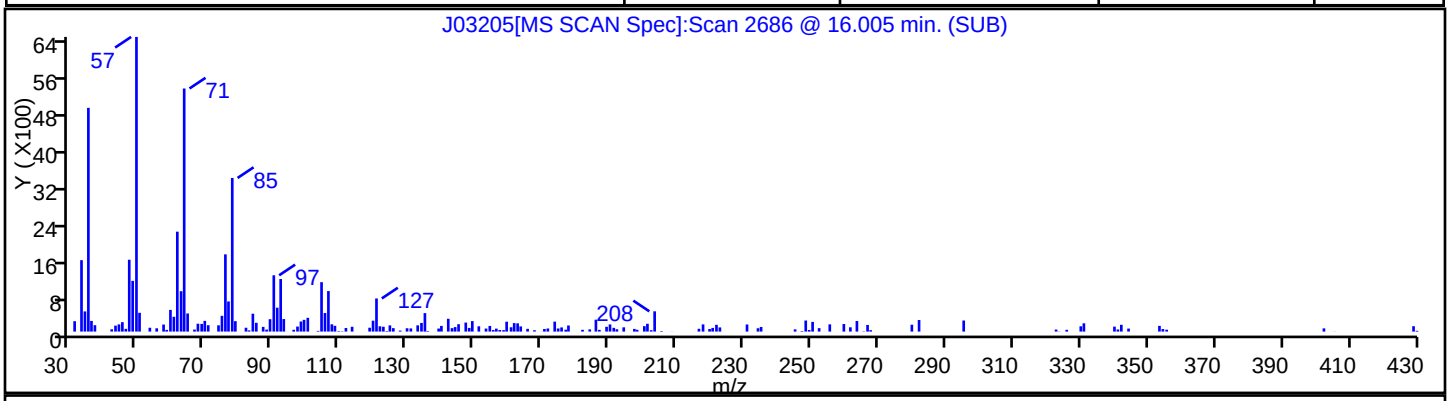
Lims Batch ID: 49648 Lims Sample ID: 24

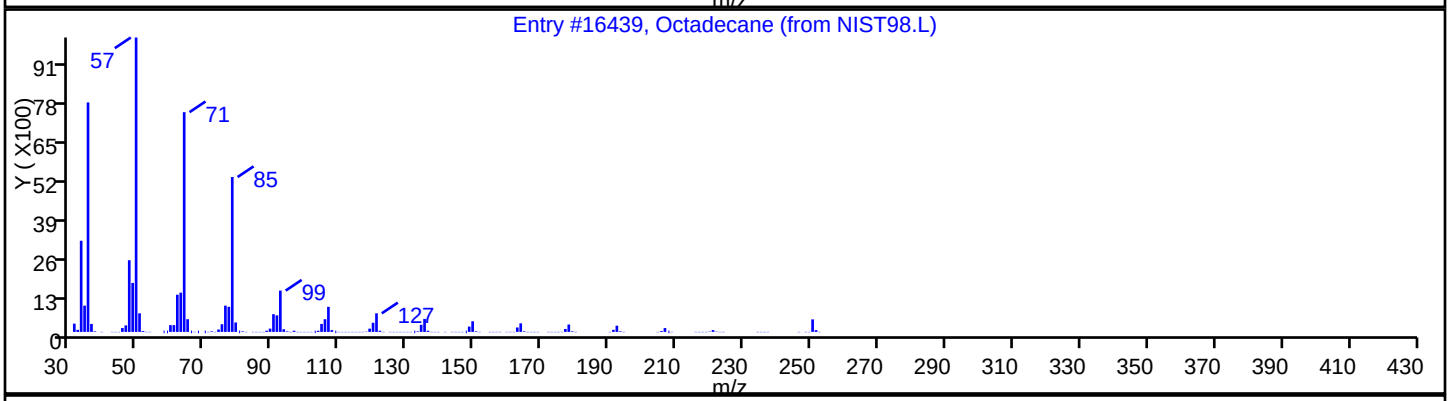
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

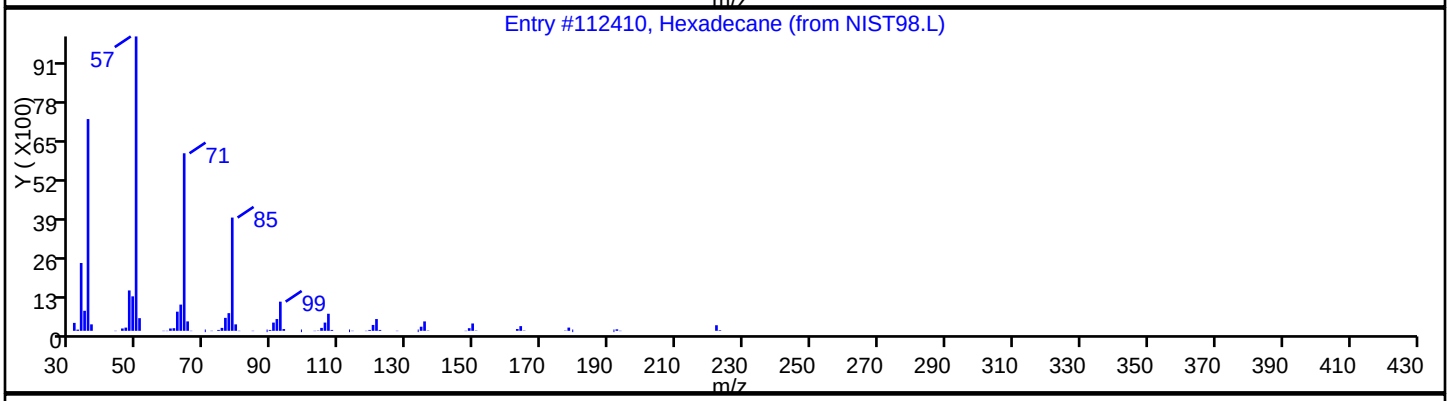
Sample Info: 360-24582-a-5-c 10X

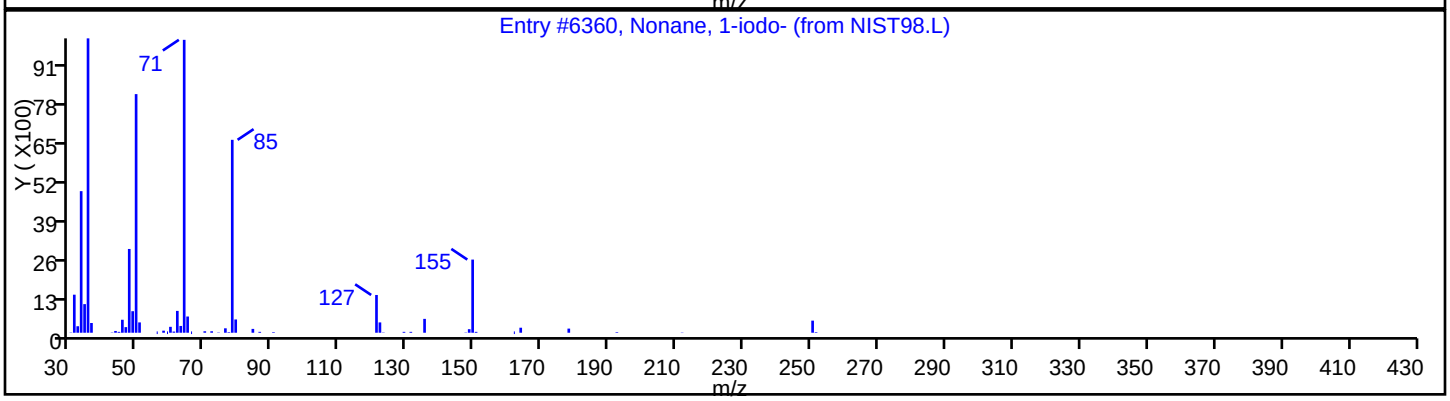
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	96
Hexadecane	544-76-3	NIST98.L	112410	95
Nonane, 1-iodo-	4282-42-2	NIST98.L	6360	86









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

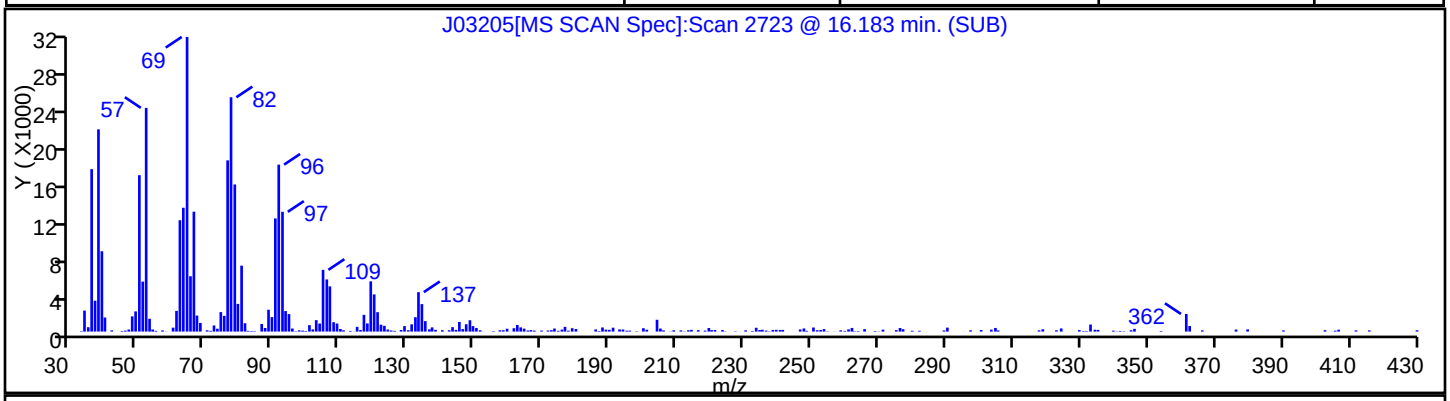
Lims Batch ID: 49648 Lims Sample ID: 24

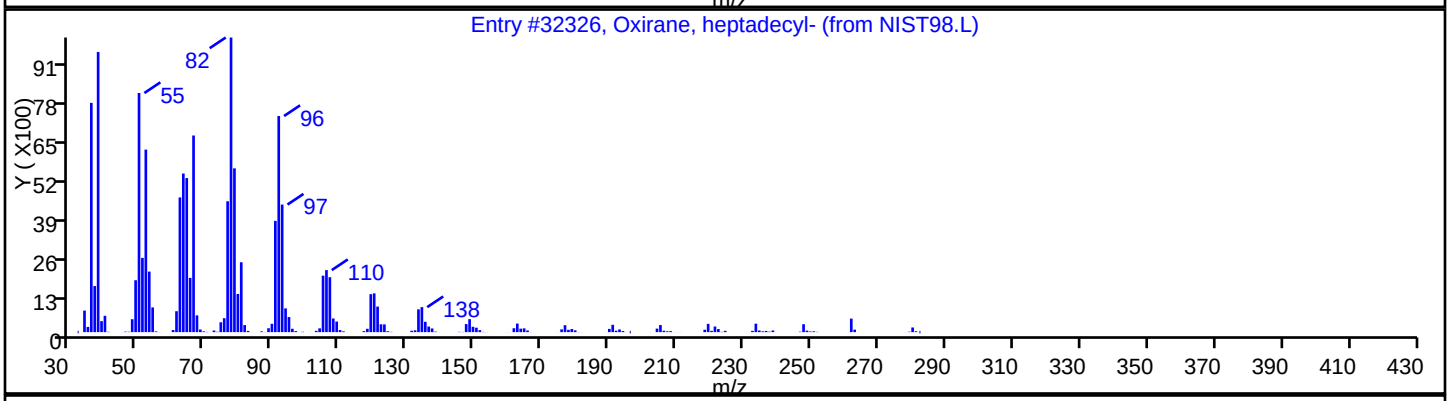
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

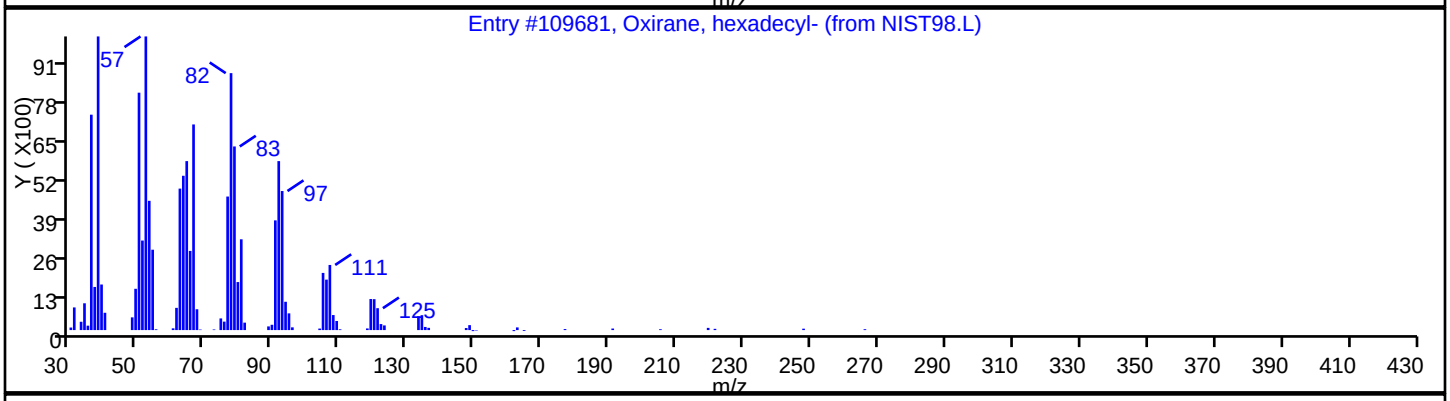
Sample Info: 360-24582-a-5-c 10X

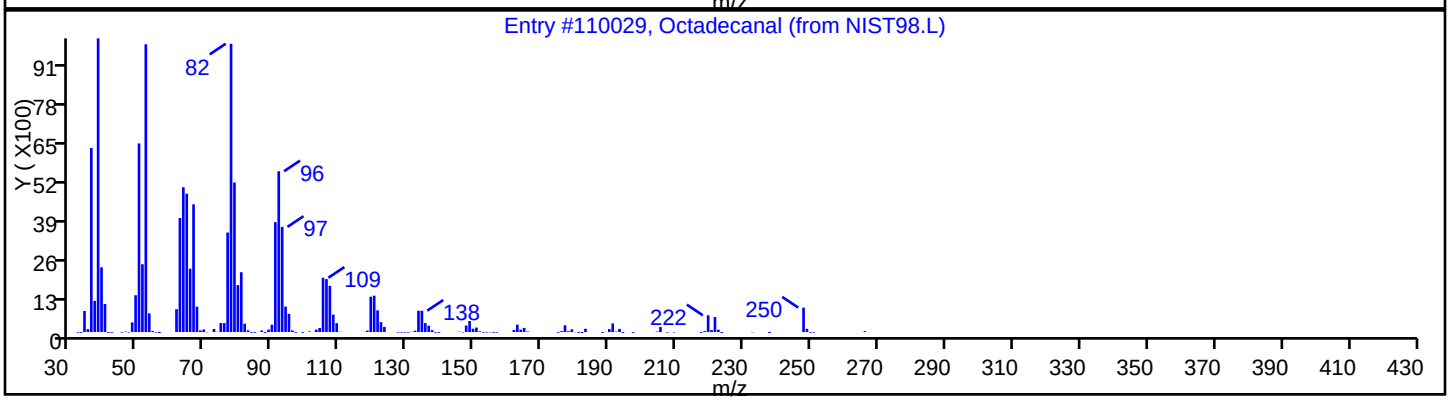
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	95
Oxirane, hexadecyl-	7390-81-0	NIST98.L	109681	95
Octadecanal	638-66-4	NIST98.L	110029	93









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

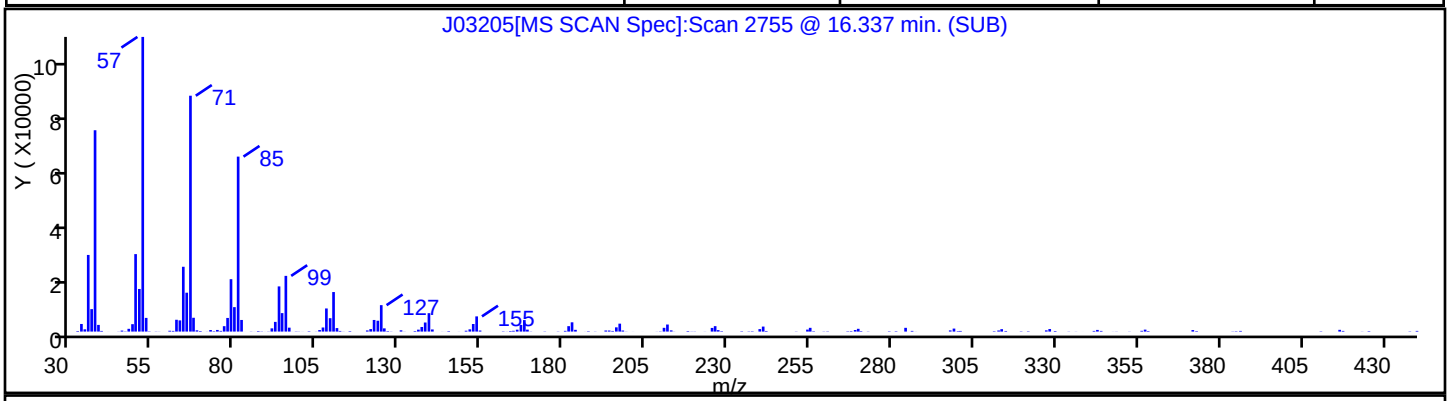
Lims Batch ID: 49648 Lims Sample ID: 24

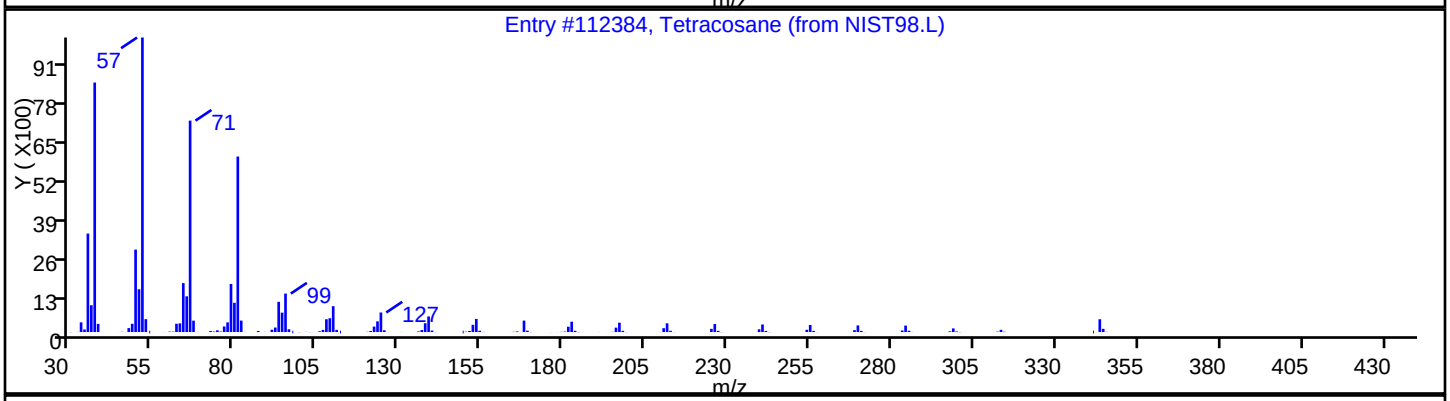
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

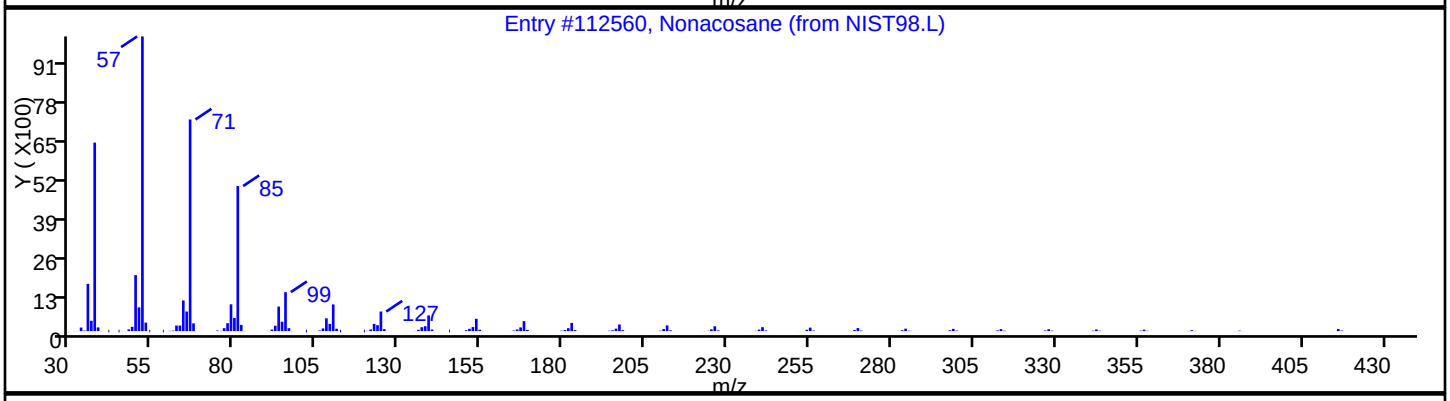
Sample Info: 360-24582-a-5-c 10X

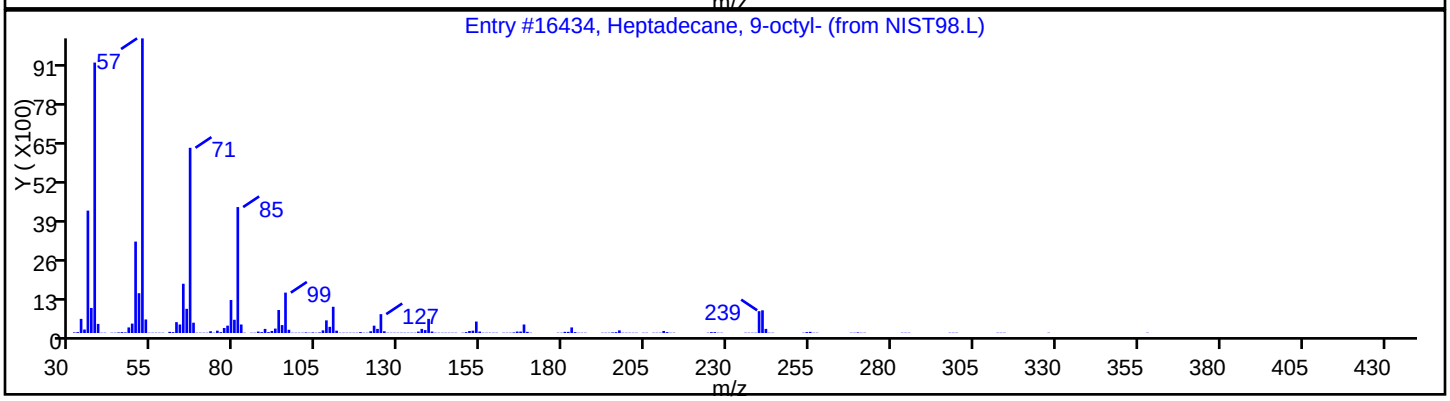
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112384	97
Nonacosane	630-3-5	NIST98.L	112560	96
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	95









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

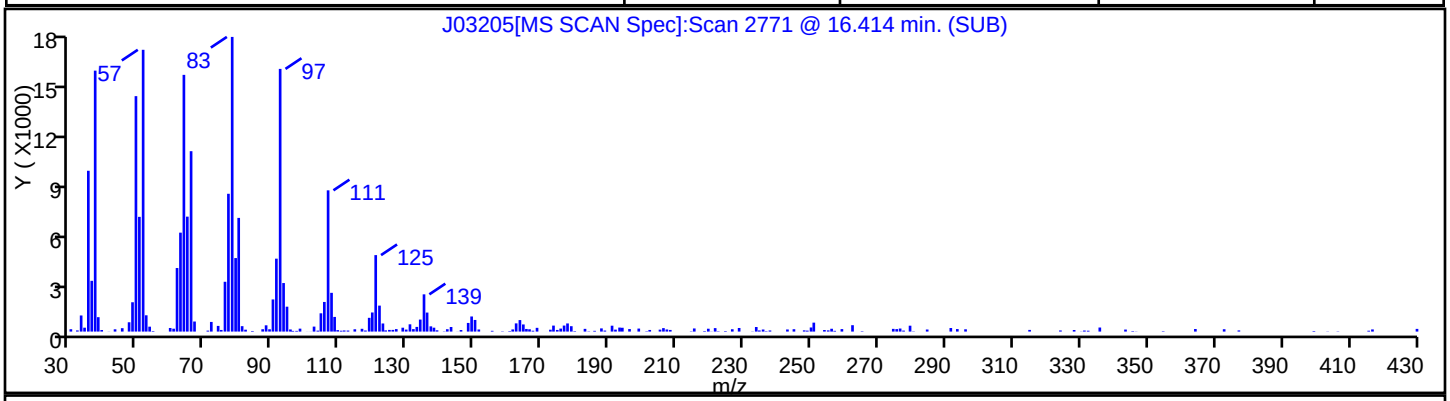
Lims Batch ID: 49648 Lims Sample ID: 24

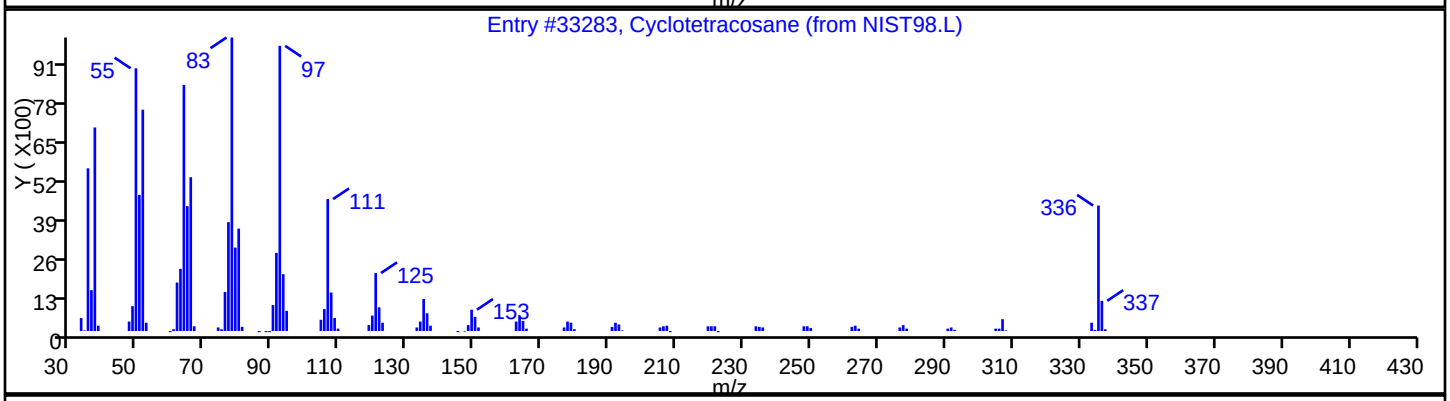
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

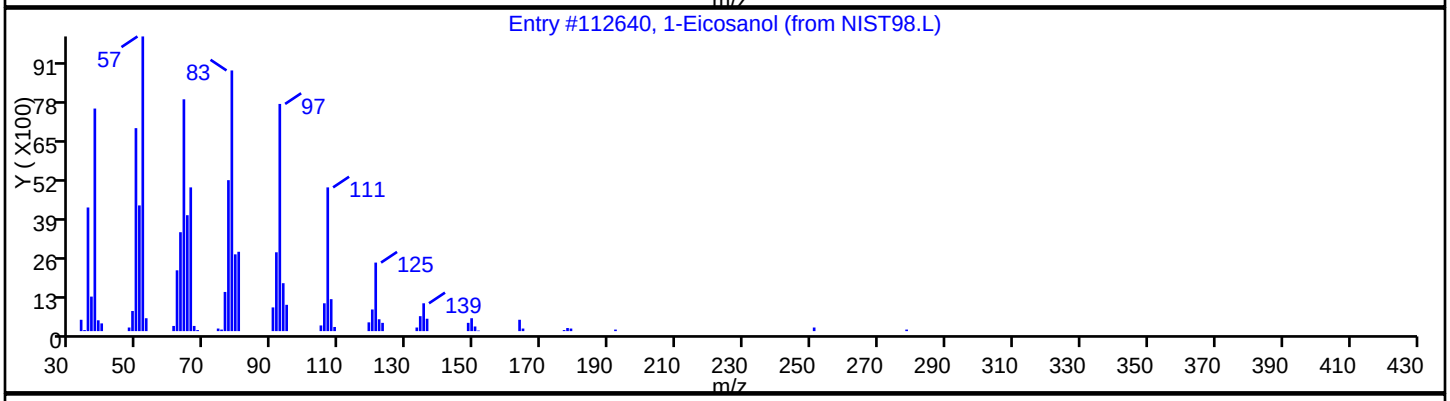
Sample Info: 360-24582-a-5-c 10X

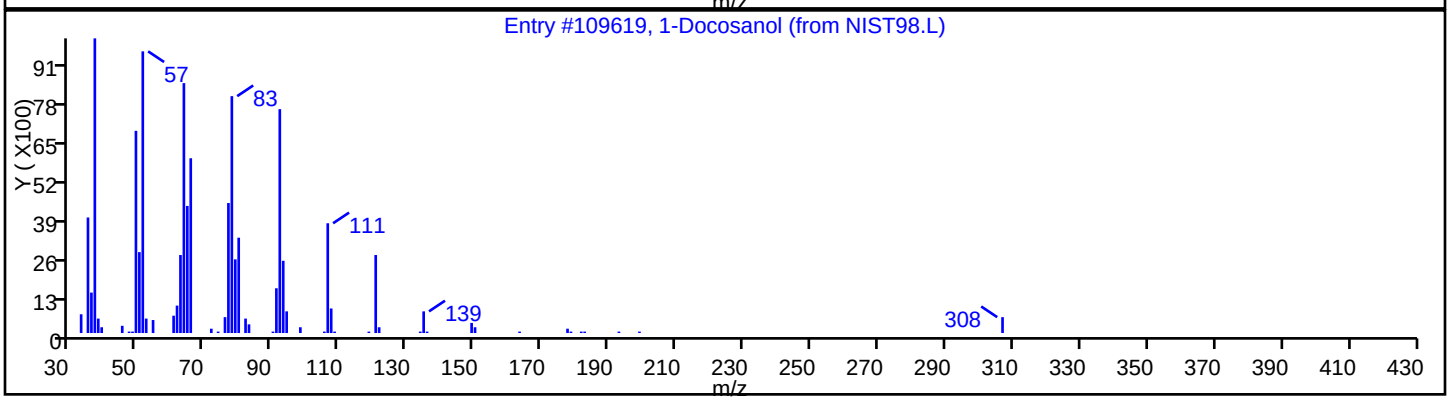
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	98
1-Eicosanol	629-96-9	NIST98.L	112640	95
1-Docosanol	661-19-8	NIST98.L	109619	94









Report Date: 30-Sep-2009 08:53:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03205.D

Inj Date: 29-Sep-2009 02:10:30 Limit Group: SMS - 8270LL SVOA Calibration

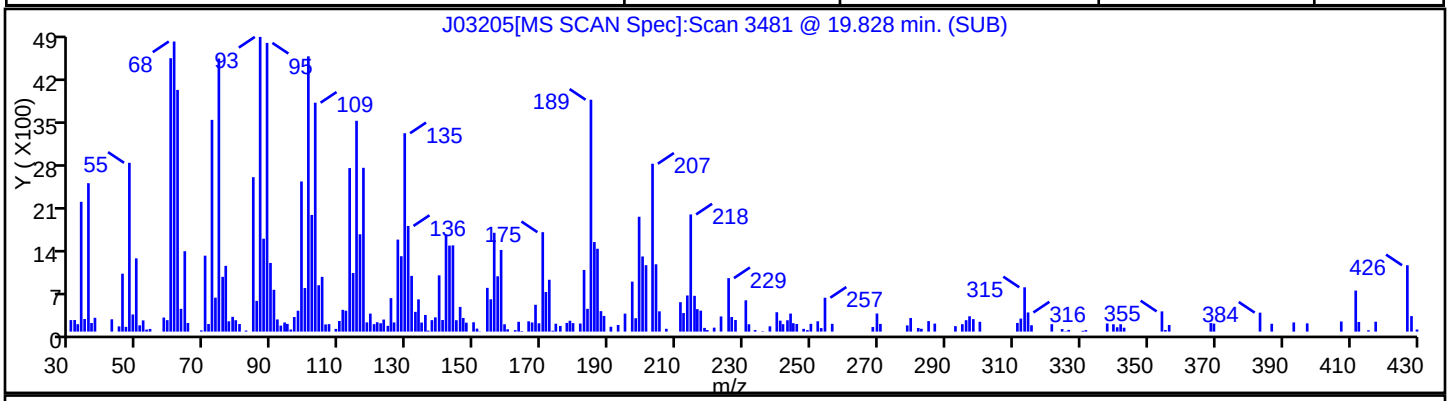
Lims Batch ID: 49648 Lims Sample ID: 24

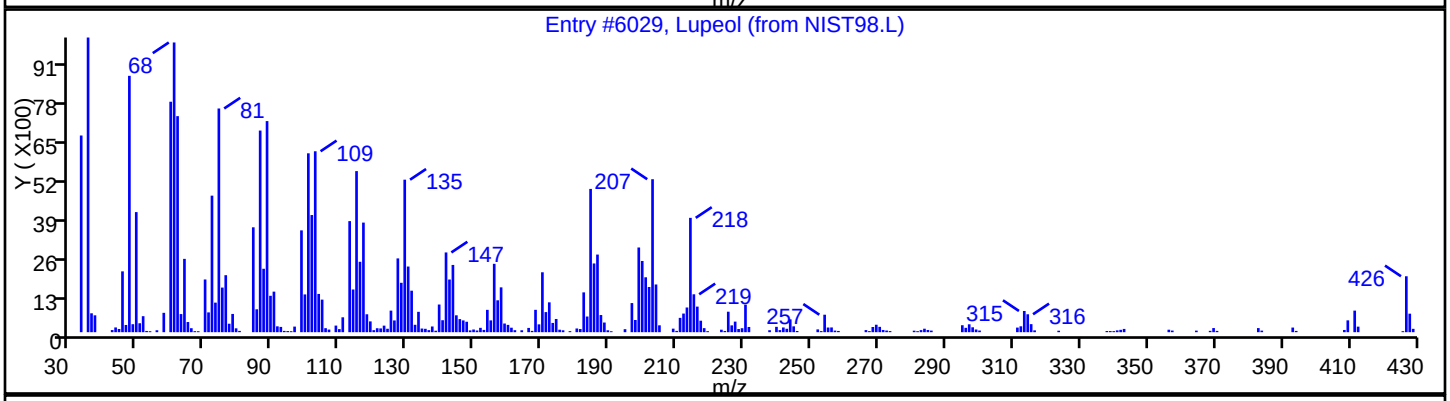
Client ID: OC-SS-400-0.0/1.0-XXX Instrument: Inst. J

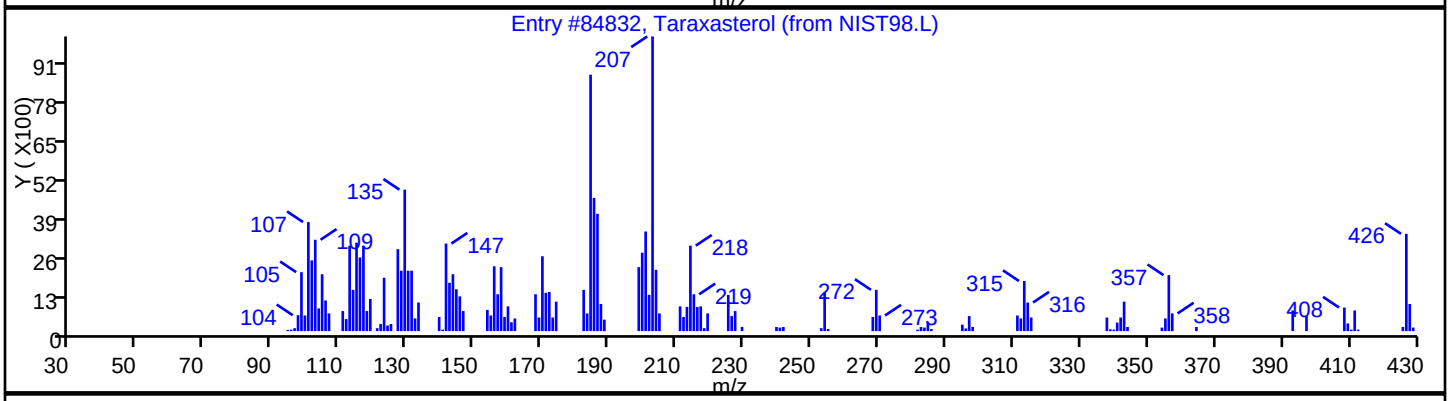
Sample Info: 360-24582-a-5-c 10X

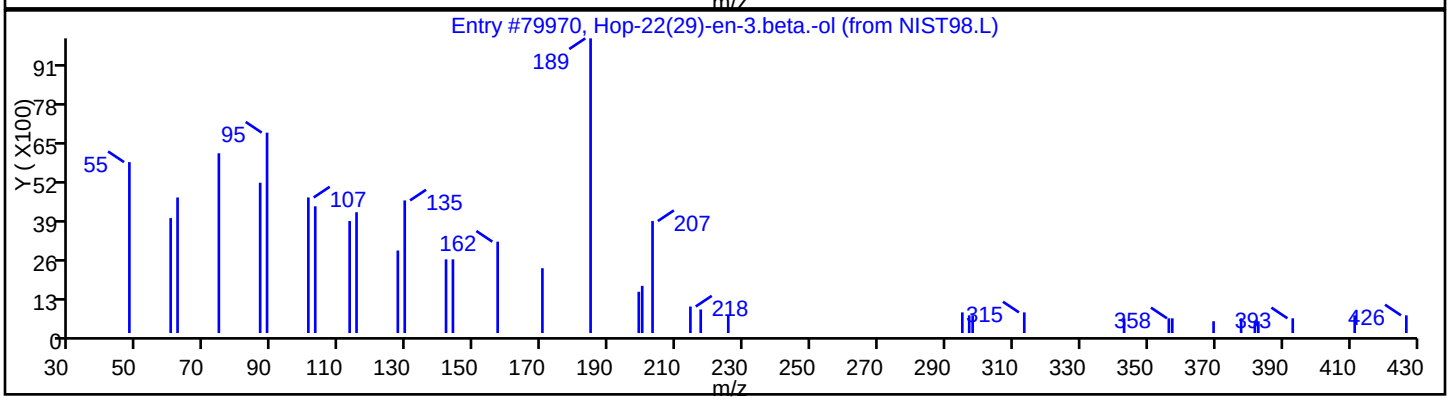
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Lupeol	545-47-1	NIST98.L	6029	91
Taraxasterol	1059-14-9	NIST98.L	84832	59
Hop-22(29)-en-3.beta.-ol	58801-23-3	NIST98.L	79970	52









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: J03206.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.26(g) | Date Analyzed: 09/29/2009 02:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		350	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		350	110
120-82-1	1,2,4-Trichlorobenzene	ND		350	110
95-50-1	1,2-Dichlorobenzene	ND		350	110
541-73-1	1,3-Dichlorobenzene	ND		350	110
106-46-7	1,4-Dichlorobenzene	ND		350	110
90-12-0	1-Methylnaphthalene	ND		350	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		350	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		350	110
95-95-4	2,4,5-Trichlorophenol	ND		350	110
88-06-2	2,4,6-Trichlorophenol	ND		350	110
120-83-2	2,4-Dichlorophenol	ND	*	350	110
105-67-9	2,4-Dimethylphenol	ND		350	140
51-28-5	2,4-Dinitrophenol	ND		350	110
121-14-2	2,4-Dinitrotoluene	ND		350	110
606-20-2	2,6-Dinitrotoluene	ND		350	110
91-58-7	2-Chloronaphthalene	ND		350	110
95-57-8	2-Chlorophenol	ND		350	110
91-57-6	2-Methylnaphthalene	ND		350	110
95-48-7	2-Methylphenol	ND		350	210
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		350	110
15831-10-4	3 & 4 Methylphenol	ND		350	110
91-94-1	3,3'-Dichlorobenzidine	ND		710	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		350	110
59-50-7	4-Chloro-3-methylphenol	ND		710	110
106-47-8	4-Chloroaniline	ND		710	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		350	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		350	110
208-96-8	Acenaphthylene	160	J	350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: J03206.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.26(g) | Date Analyzed: 09/29/2009 02:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		350	110
62-53-3	Aniline	ND	*	350	110
120-12-7	Anthracene	ND		350	110
1912-24-9	Atrazine	ND		350	110
103-33-3	Azobenzene	ND		350	110
100-52-7	Benzaldehyde	ND		350	110
56-55-3	Benzo[a]anthracene	540		350	110
50-32-8	Benzo[a]pyrene	940		350	110
205-99-2	Benzo[b]fluoranthene	570		350	110
191-24-2	Benzo[g,h,i]perylene	770		350	110
207-08-9	Benzo[k]fluoranthene	660		350	110
65-85-0	Benzoic acid	ND		1800	160
119-61-9	Benzophenone	ND		350	110
100-51-6	Benzyl alcohol	ND		710	300
111-91-1	Bis(2-chloroethoxy)methane	ND		350	110
111-44-4	Bis(2-chloroethyl)ether	ND		350	110
117-81-7	Bis(2-ethylhexyl) phthalate	260	J B	350	110
85-68-7	Butyl benzyl phthalate	ND		350	110
105-60-2	Caprolactam	ND		350	110
86-74-8	Carbazole	ND		350	110
218-01-9	Chrysene	730		350	110
53-70-3	Dibenz(a,h)anthracene	500		350	110
132-64-9	Dibenzofuran	ND		350	110
84-66-2	Diethyl phthalate	ND		350	110
131-11-3	Dimethyl phthalate	ND		350	110
84-74-2	Di-n-butyl phthalate	ND		350	310
117-84-0	Di-n-octyl phthalate	ND		350	180
101-84-8	Diphenyl oxide	ND		350	110
206-44-0	Fluoranthene	920		350	110
86-73-7	Fluorene	ND		350	110
118-74-1	Hexachlorobenzene	ND		350	110
87-68-3	Hexachlorobutadiene	ND		350	110
77-47-4	Hexachlorocyclopentadiene	ND		710	110
67-72-1	Hexachloroethane	ND		350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: J03206.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.26(g) | Date Analyzed: 09/29/2009 02:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	730	*	350	110
78-59-1	Isophorone	ND		350	110
91-20-3	Naphthalene	ND		850	110
98-95-3	Nitrobenzene	ND		350	110
62-75-9	N-Nitrosodimethylamine	ND		350	130
621-64-7	N-Nitrosodi-n-propylamine	ND		350	110
86-30-6	N-Nitrosodiphenylamine	ND		350	110
87-86-5	Pentachlorophenol	ND		350	110
85-01-8	Phenanthrene	640		430	110
108-95-2	Phenol	ND		350	110
129-00-0	Pyrene	1200		350	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	74	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
367-12-4	2-Fluorophenol	70	30-130	
4165-60-0	Nitrobenzene-d5	70	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	88	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-401-0.1/1.0-XXX | Lab Sample ID: 360-24582-6

Matrix: Solid | Lab File ID: J03206.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.26(g) | Date Analyzed: 09/29/2009 02:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 8720

CAS NO.	COMPOUND NAME	RT	RESULT	Q
80-56-8	.alpha.-Pinene	7.32	570	T J N
243-17-4	11H-Benzo[b]fluorene	14.43	440	T J N
629-92-5	Nonadecane	14.99	320	T J N
629-78-7	Heptadecane	15.67	370	T J N
297-3-0	Cyclotetracosane	15.73	1200	T J N
646-31-1	Tetracosane	16.34	2300	T J N
205-99-2	Benz[e]acephenanthrylene	16.88	420	T J N
630-4-6	Hentriacontane	17.09	1900	T J N
7390-81-0	Oxirane, hexadecyl-	17.84	1200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Lims ID:	360-24582-A-6-C	Client ID:	OC-SS-401-0.1/1.0-XXX
Inject. Date:	29-Sep-2009 02:43:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-6-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49648	Lims Sample ID:	25
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:56:27	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 08:56:27

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	60162	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	146784	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	76575	2.00	
* 4 Phenanthrene-d10	188	12.620	12.619	0.001	130119	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	77397	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	48310	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	12469	0.7008	
$ 8 Phenol-d5	99	7.686	7.680	0.006	14900	0.7077	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	7164	0.3475	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	15846	0.3578	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	3395	0.7438	
$ 12 Terphenyl-d14	244	14.202	14.201	0.001	12276	0.4408	
17 Benzaldehyde	105	7.599	7.599	0.000	2161	0.1966	
18 Phenol	94	7.700	7.695	0.005	585	0.0259	
19 Aniline	93	7.739	7.743	-0.004	3102	0.1170	
30 Acetophenone	105	8.470	8.469	0.001	2030	0.0823	
41 Naphthalene	128	9.369	9.368	0.001	6428	0.1092	
46 2-Methylnaphthalene	142	10.057	10.056	0.001	6022	0.1561	
47 1-Methylnaphthalene	142	10.167	10.171	-0.004	5676	0.1510	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	1331	0.0286	
58 Acenaphthylene	152	10.985	10.984	0.001	26258	0.4654	
61 Acenaphthene	153	11.167	11.167	0.000	2097	0.0563	
64 Dibenzofuran	168	11.321	11.321	0.000	2090	0.0405	
69 Fluorene	166	11.667	11.672	-0.005	7554	0.1805	
80 Phenanthrene	178	12.639	12.643	-0.004	96642	1.80	
81 Anthracene	178	12.682	12.686	-0.004	16027	0.2691	
83 Carbazole	167	12.841	12.840	0.001	5374	0.1154	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	3048	0.0449	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.851	13.850	0.001	140018	2.60	
85 Pyrene	202	14.091	14.091	0.000	156912	3.44	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	20451	0.7436	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	47895	1.53	
94 Chrysene	228	15.404	15.408	-0.004	64528	2.07	
97 Benzo[b]fluoranthene	252	16.544	16.543	0.001	44575	1.62	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	45826	1.86	
99 Benzo[a]pyrene	252	16.948	16.947	0.001	47069	2.66	
101 Dibenz(a,h)anthracene	278	18.539	18.544	-0.005	11017	1.40	
100 Indeno[1,2,3-cd]pyrene	276	18.554	18.553	0.001	25853	2.05	
102 Benzo[g,h,i]perylene	276	19.020	19.020	0.000	25890	2.17	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Lims ID:	360-24582-A-6-C	Client ID:	OC-SS-401-0.1/1.0-XXX
Inject. Date:	29-Sep-2009 02:43:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-6-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49648	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:56:27	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:56:27

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.961	90	0.8847	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
80-56-8 .alpha.-Pinene						
7.320	193710	1.59	1	97	40169	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
12.240	92443	0.5297	4	97	126944	
949-41-7 1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd						
13.115	109202	0.6257	4	95	81038	
949-41-7 1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd						
13.240	80337	0.4603	4	98	81038	
203-64-5 4H-Cyclopenta[def]phenanthrene						
13.259	105984	0.6073	4	90	125763	
3674-66-6 Phenanthrene, 2,5-dimethyl-						
13.678	133860	0.7670	4	91	84595	
243-17-4 11H-Benzo[b]fluorene						
14.428	153899	1.24	5	95	86795	
3353-12-6 Pyrene, 4-methyl-						
14.649	99422	0.8030	5	95	126767	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
67860-4-2	Oxirane, heptadecyl-					
14.798	82842	0.6691	5	96	32326	
629-92-5	Nonadecane					
14.990	110183	0.8899	5	96	16515	
112-92-5	1-Octadecanol					
15.038	97332	0.7861	5	94	111484	
14811-95-1	1,19-Eicosadiene					
15.505	101621	0.8207	5	93	13201	
629-78-7	Heptadecane					
15.673	129123	1.04	5	96	16420	
297-3-0	Cyclotetracosane					
15.731	415732	3.36	5	98	33283	
1705-84-6	Triphenylene, 2-methyl-					
15.798	69976	0.5652	5	98	91731	
646-31-1	Tetracosane					
16.337	328798	6.39	6	96	112384	
205-99-2	Benz[e]acephenanthrylene					
16.880	61386	1.19	6	94	127652	
630-4-6	Hentriacontane					
17.092	275771	5.36	6	95	112561	
7390-81-0	Oxirane, hexadecyl-					
17.837	167661	3.26	6	91	32327	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.032	242952	2.00
* 4 Phenanthrene-d10	12.620	349050	2.00
* 5 Chrysene-d12	15.380	247632	2.00
* 6 Perylene-d12	17.015	102947	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 08:56:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

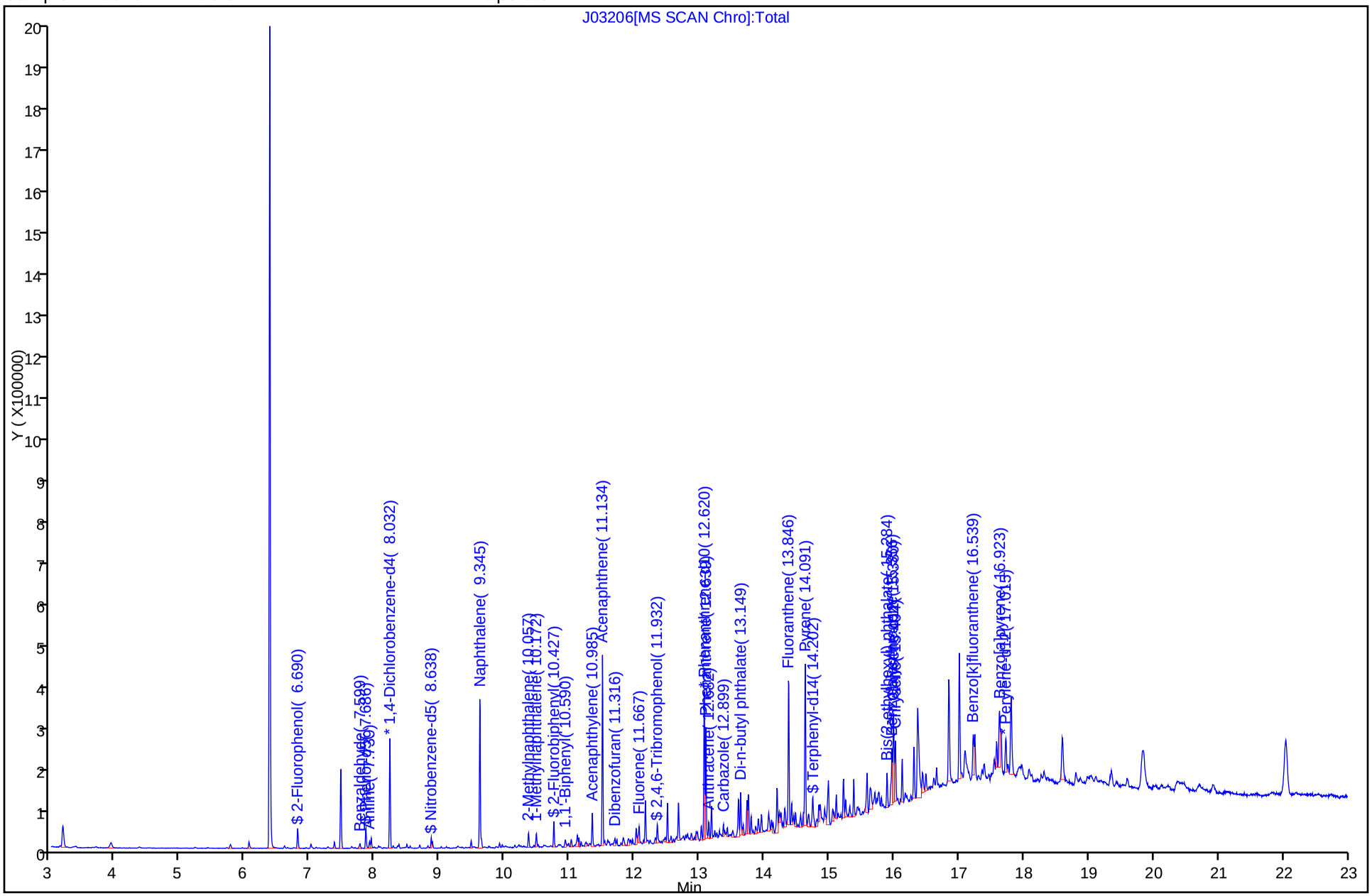
Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 25

Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-6-c 10X

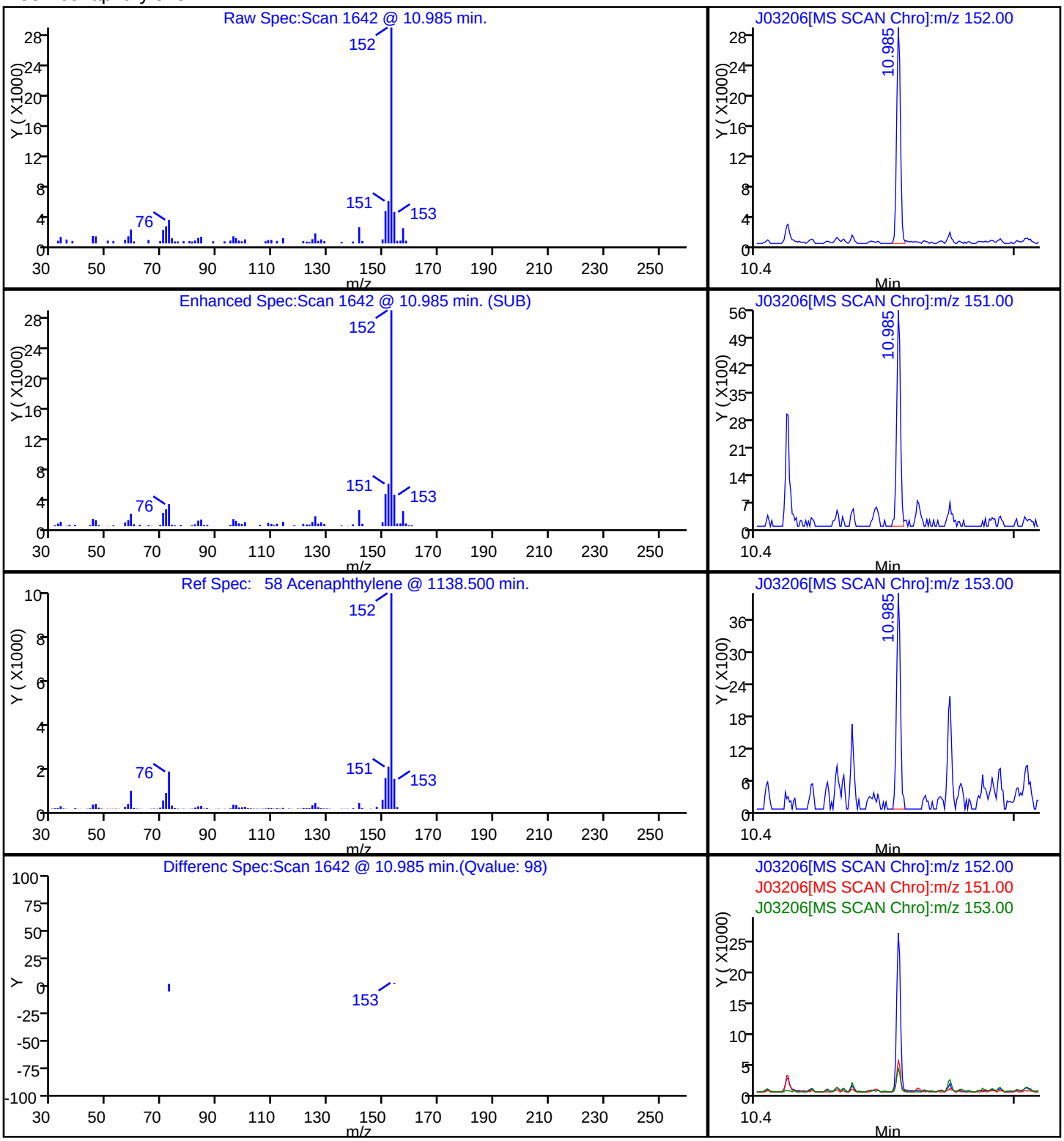
Sample Amount: 1.00 ul Operator:



Report Date: 30-Sep-2009 08:56:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

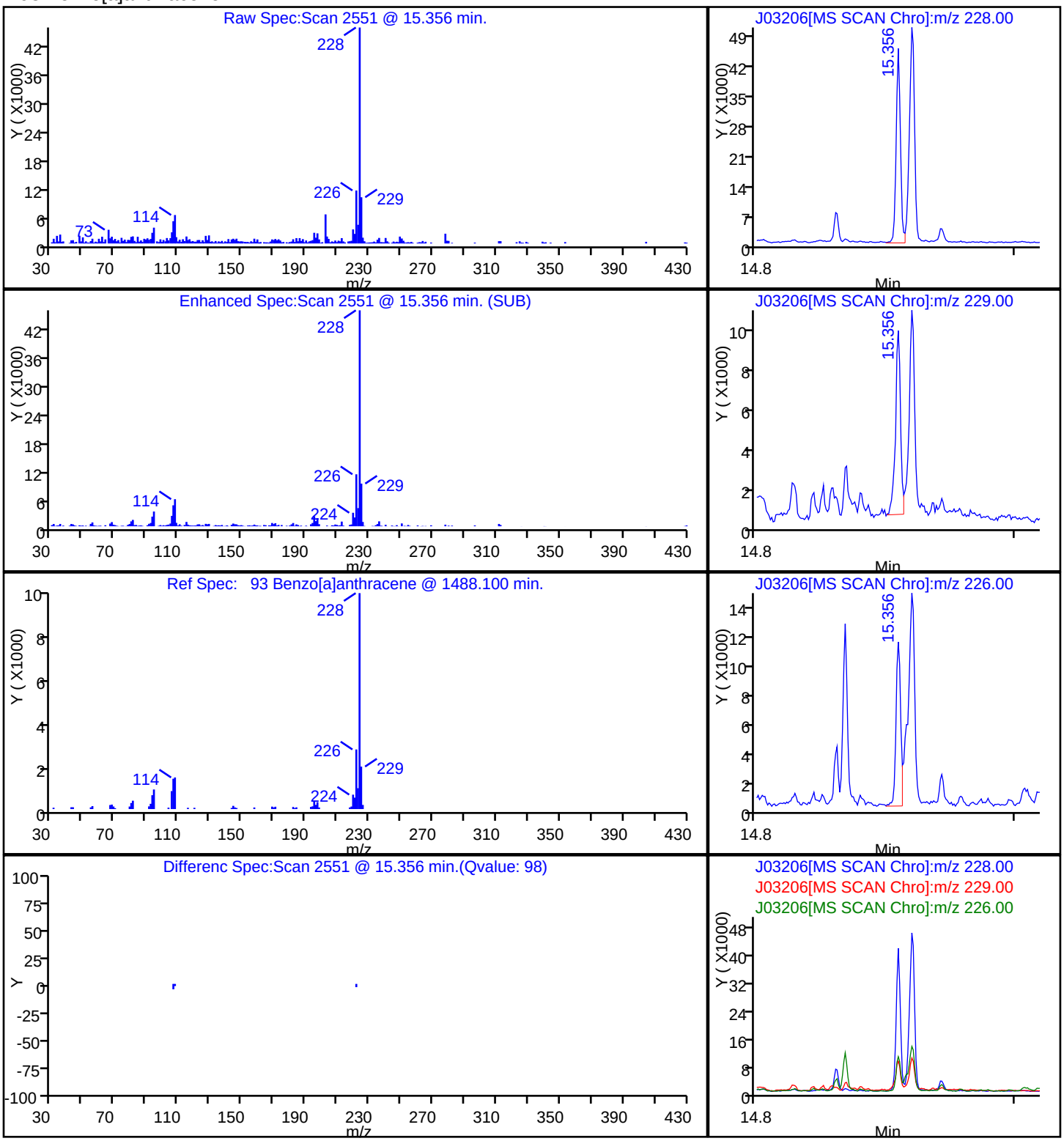
58 Acenaphthylene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

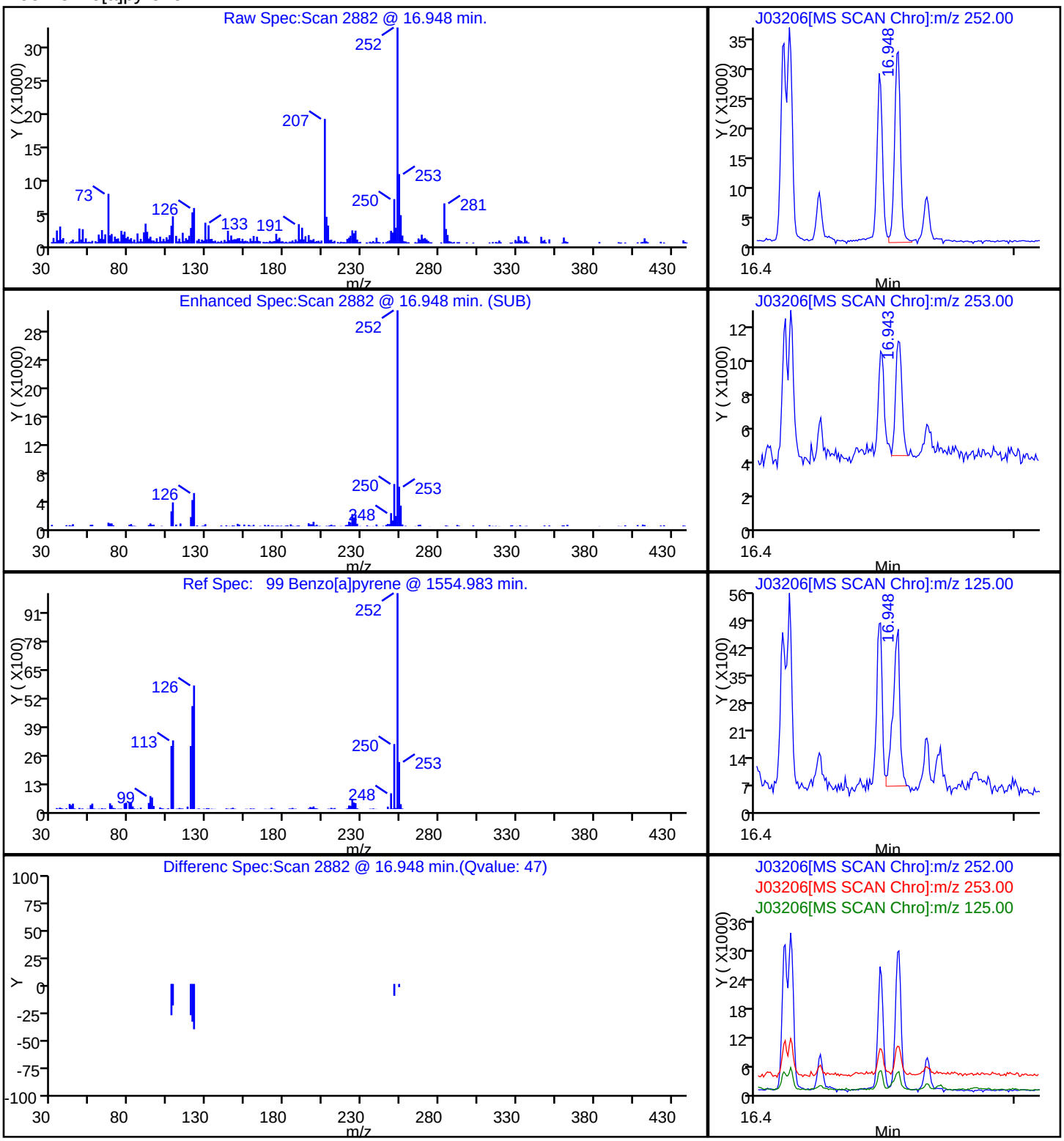
93 Benzo[a]anthracene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

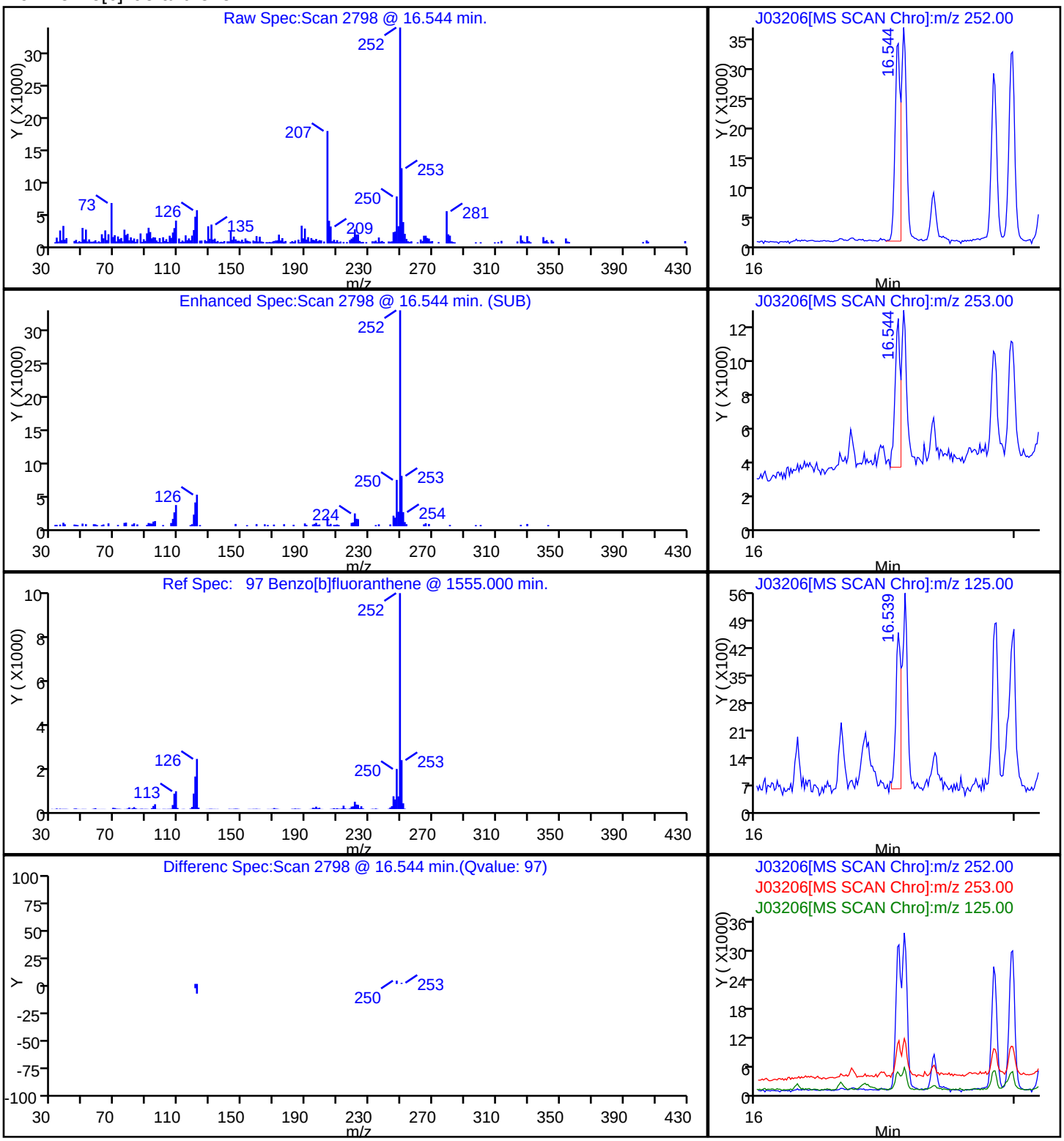
Lims Batch ID: 49648 Lims Sample ID: 25

Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-6-c 10X

Sample Amount: 1.00 ul Operator:

97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

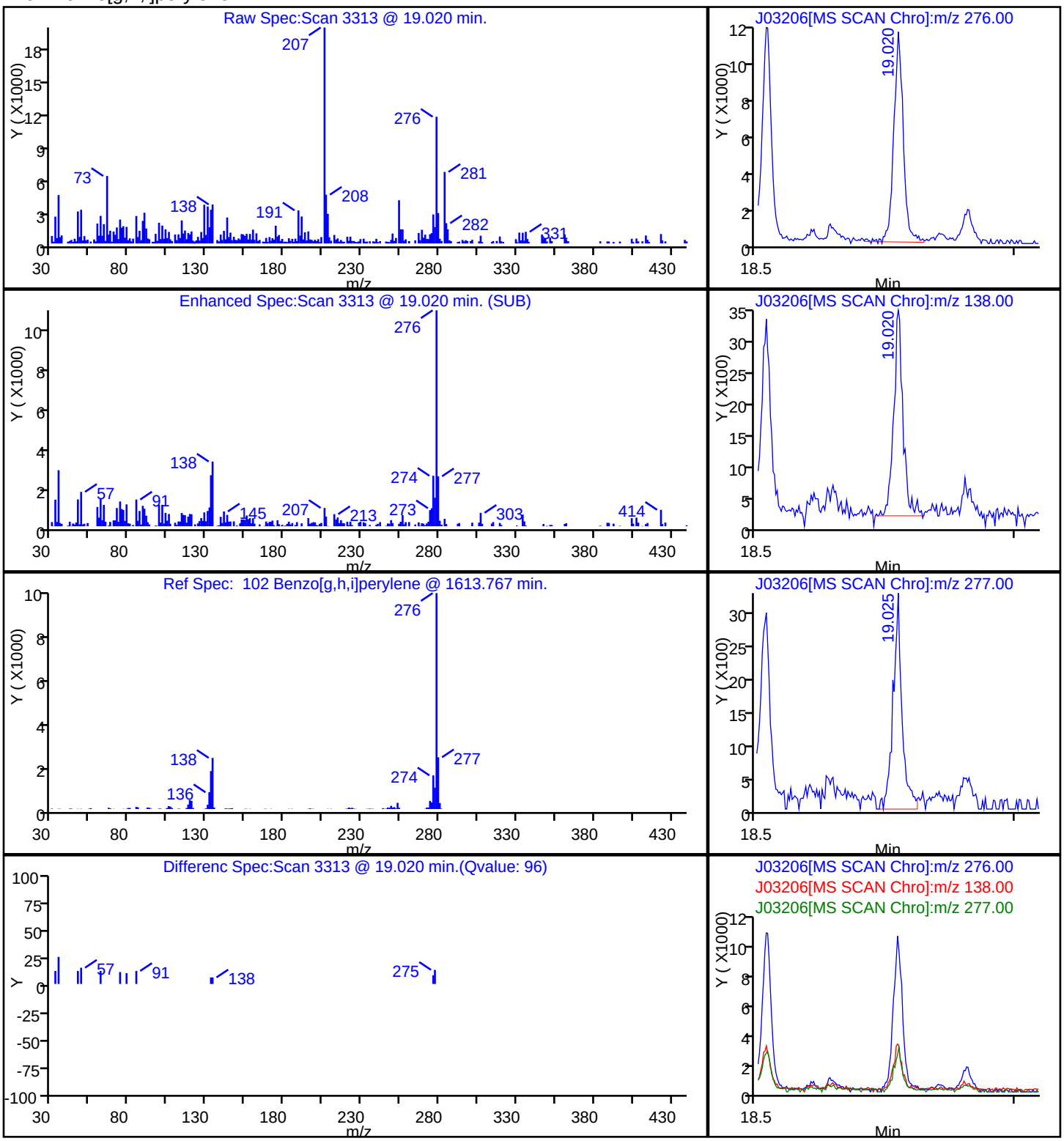
Lims Batch ID: 49648 Lims Sample ID: 25

Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-6-c 10X

Sample Amount: 1.00 ul Operator:

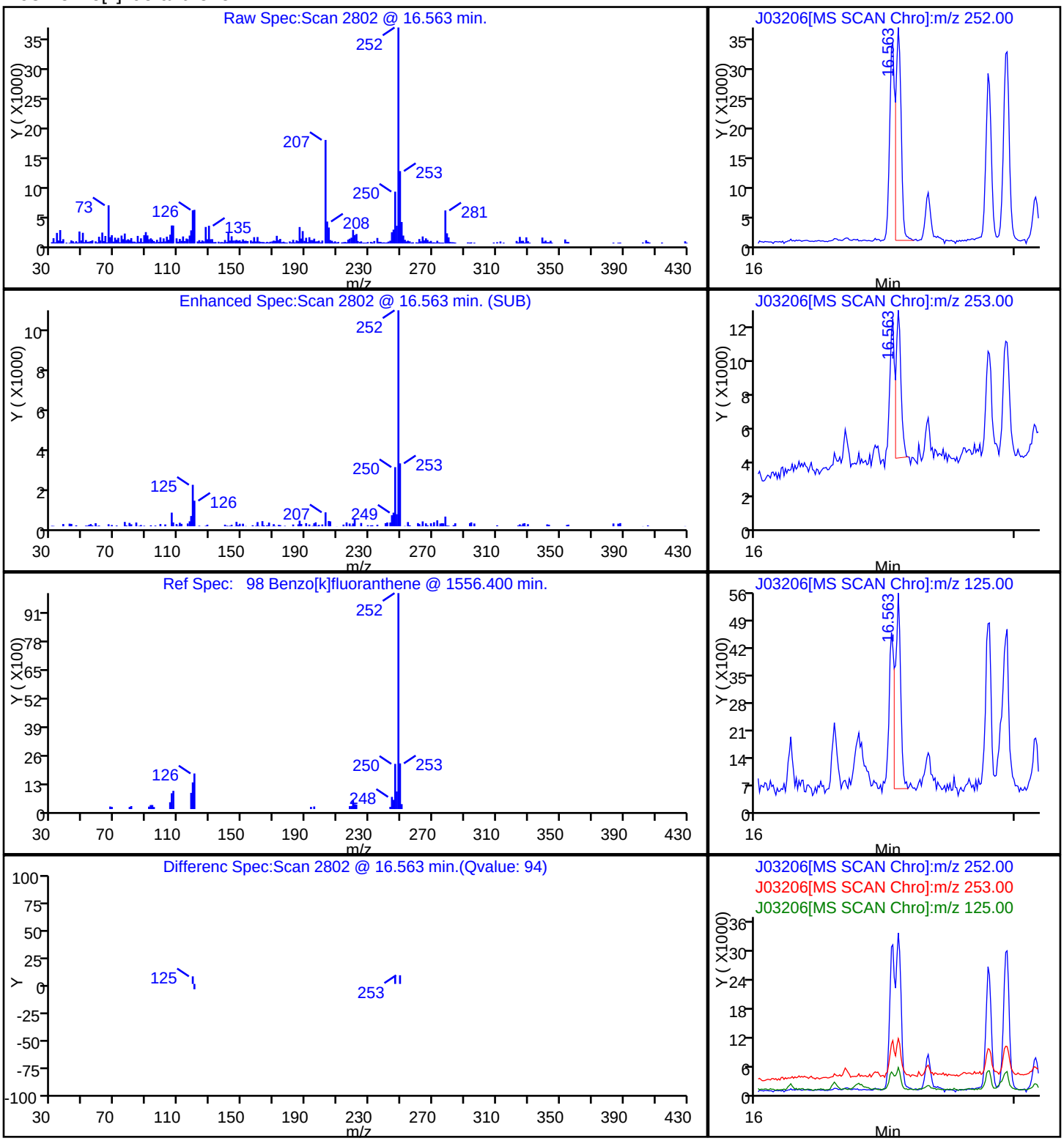
102 Benzo[g,h,i]perylene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

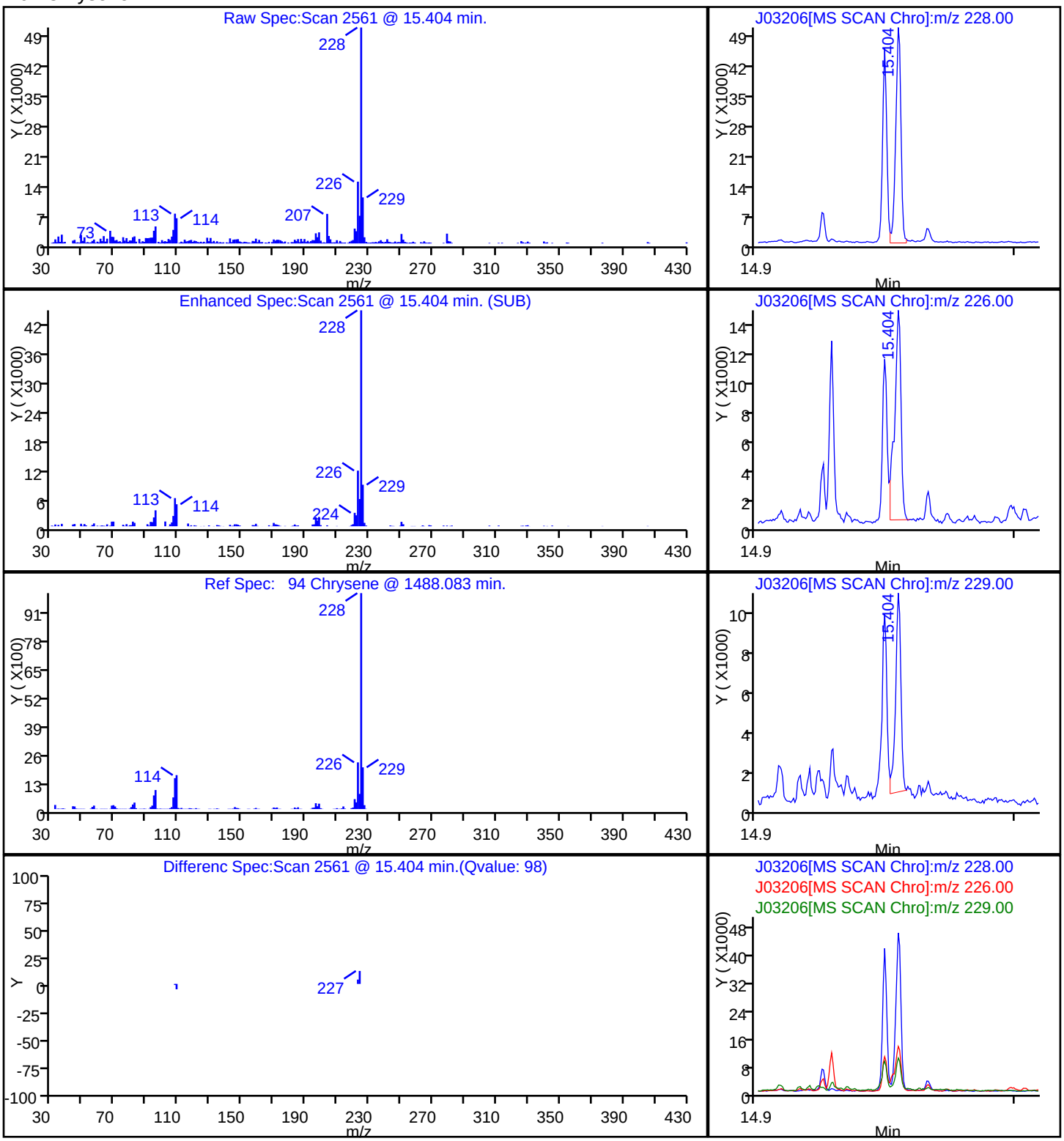
98 Benzo[k]fluoranthene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

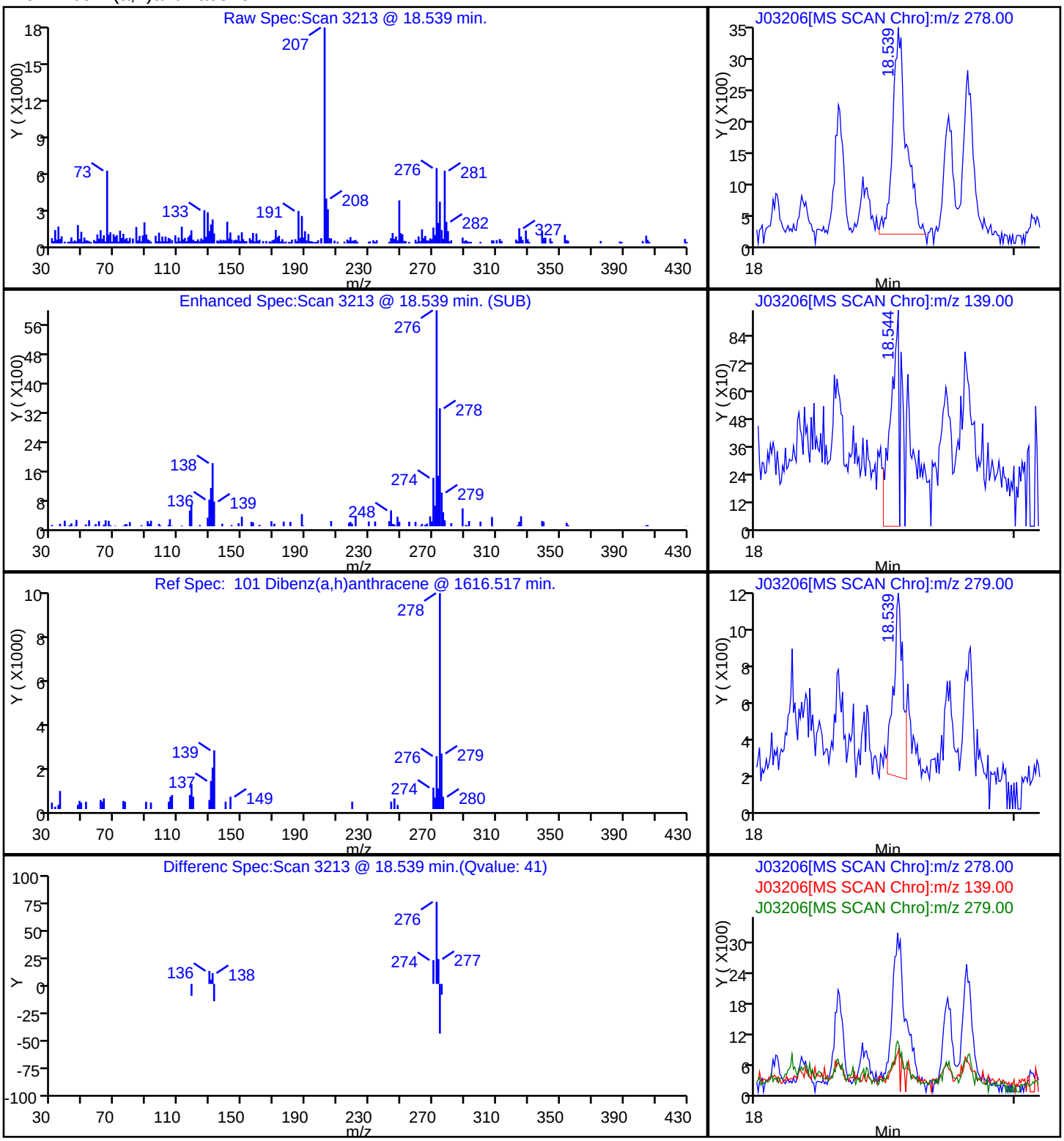
94 Chrysene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 08:56:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

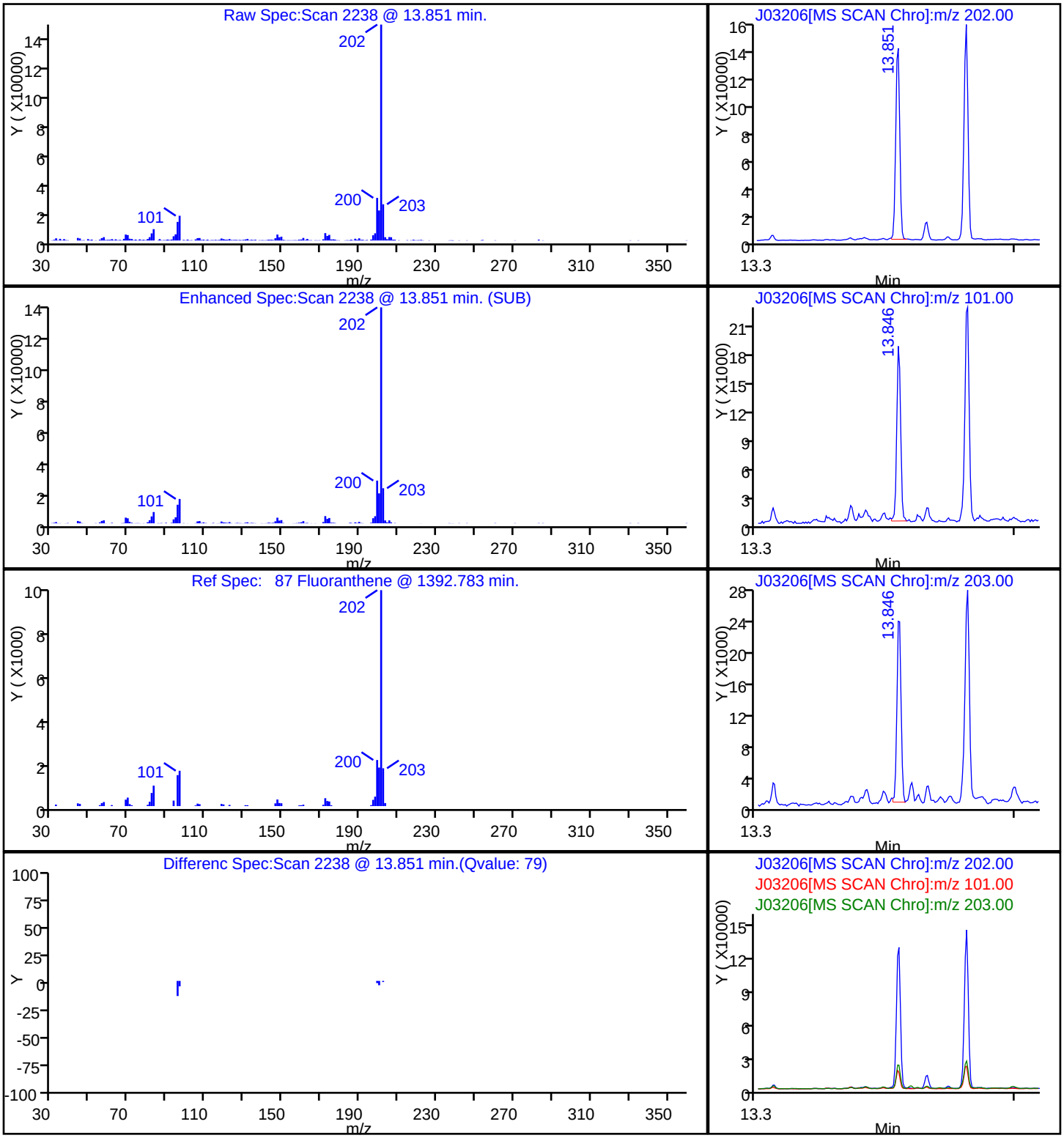
Lims Batch ID: 49648 Lims Sample ID: 25

Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-6-c 10X

Sample Amount: 1.00 ul Operator:

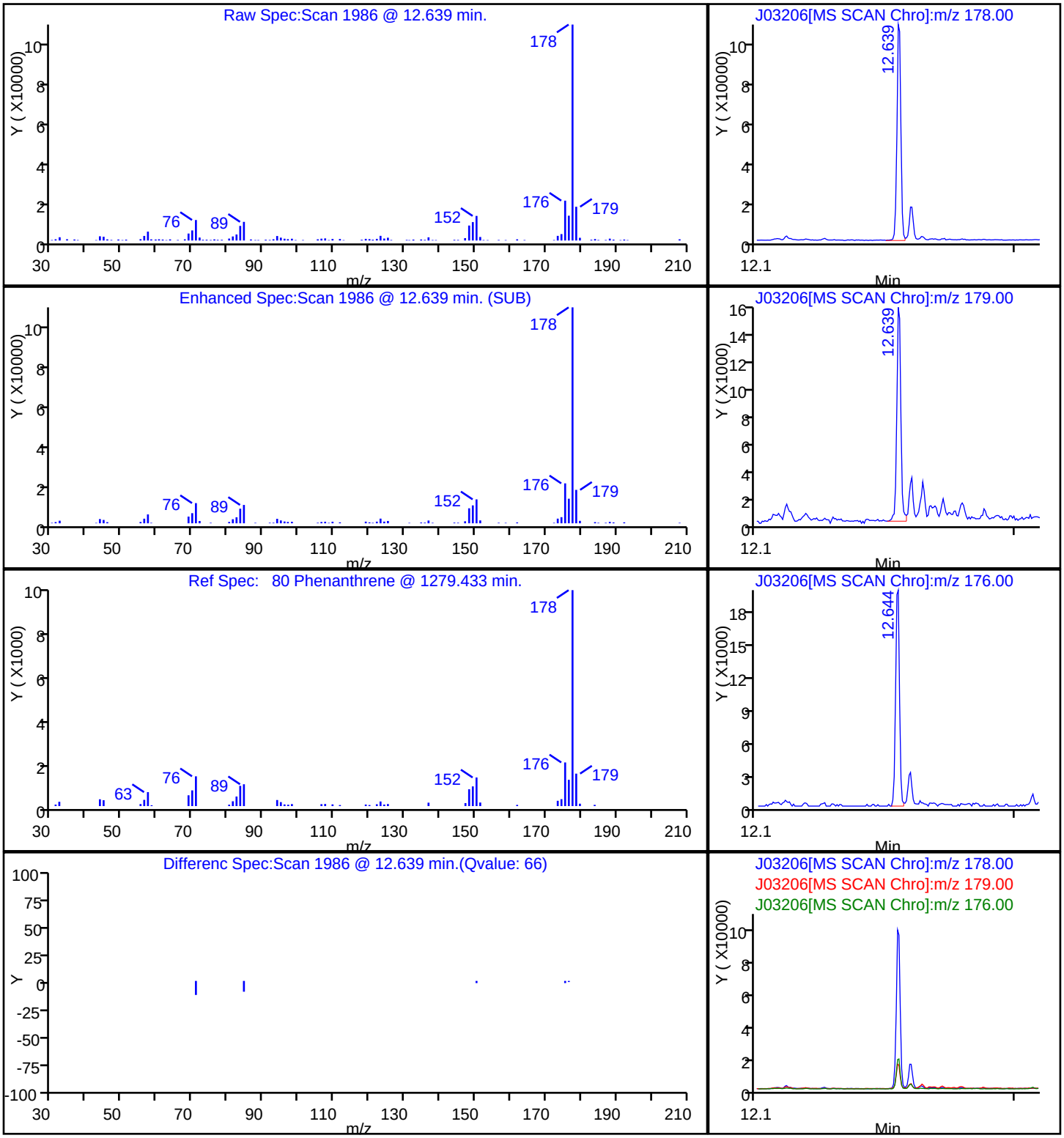
87 Fluoranthene



Report Date: 30-Sep-2009 08:56:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D		
Inj Date:	29-Sep-2009 02:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	25
Client ID:	OC-SS-401-0.1/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-6-c 10X		
Sample Amount:	1.00 ul	Operator:	

80 Phenanthrene



Report Date: 30-Sep-2009 08:56:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

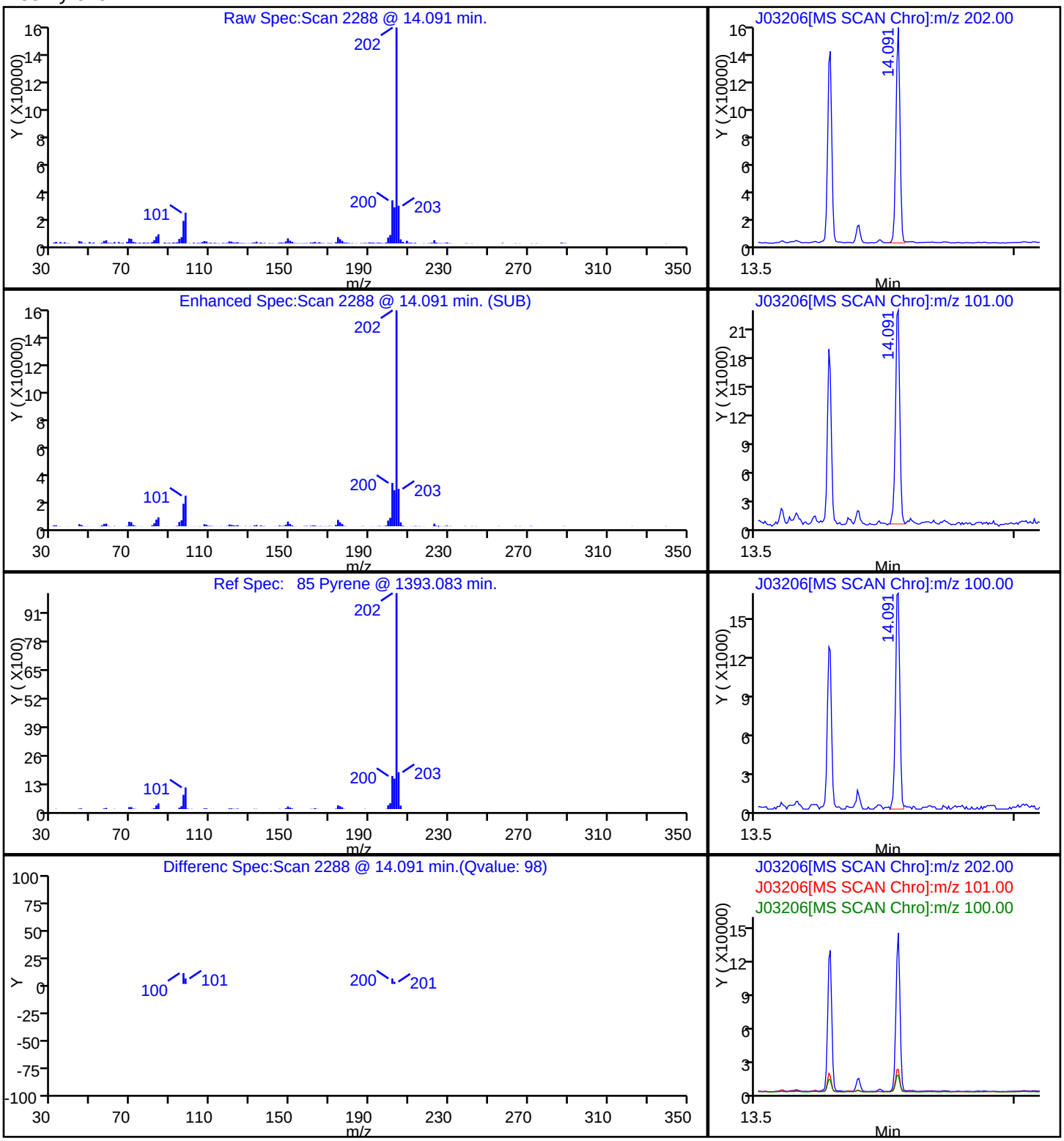
Lims Batch ID: 49648 Lims Sample ID: 25

Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-6-c 10X

Sample Amount: 1.00 ul Operator:

85 Pyrene



Report Date: 30-Sep-2009 08:56:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

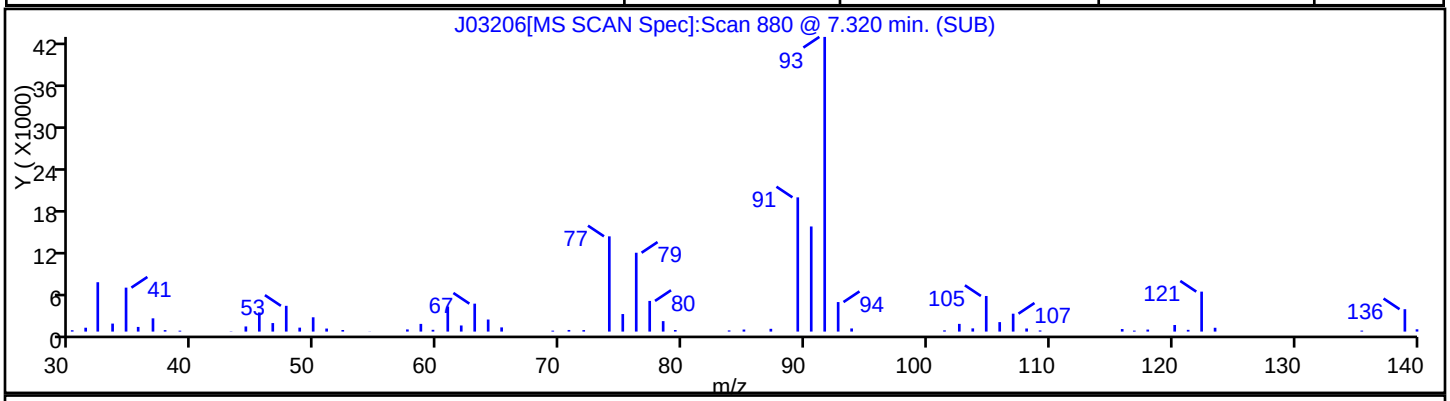
Lims Batch ID: 49648 Lims Sample ID: 25

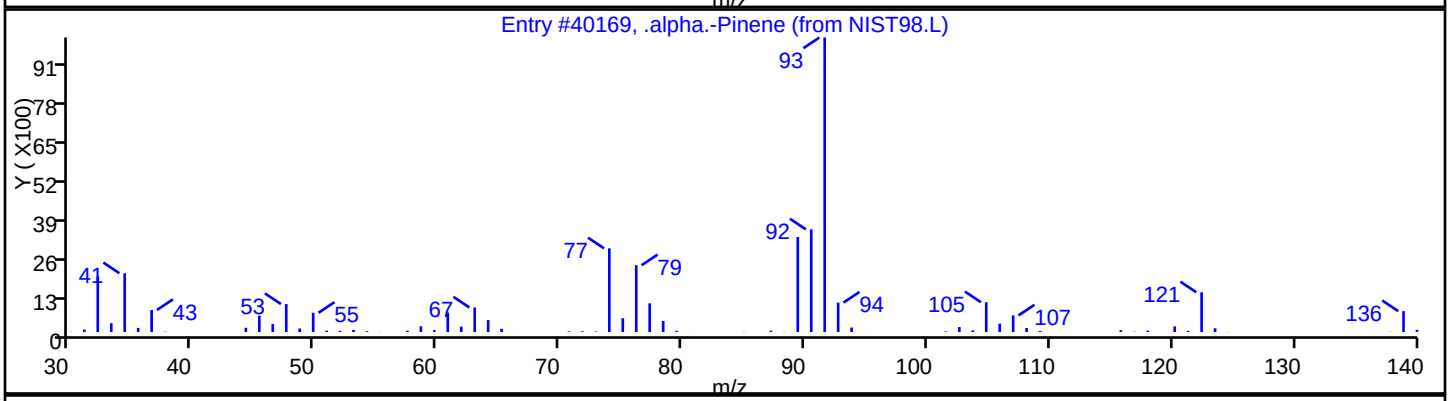
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

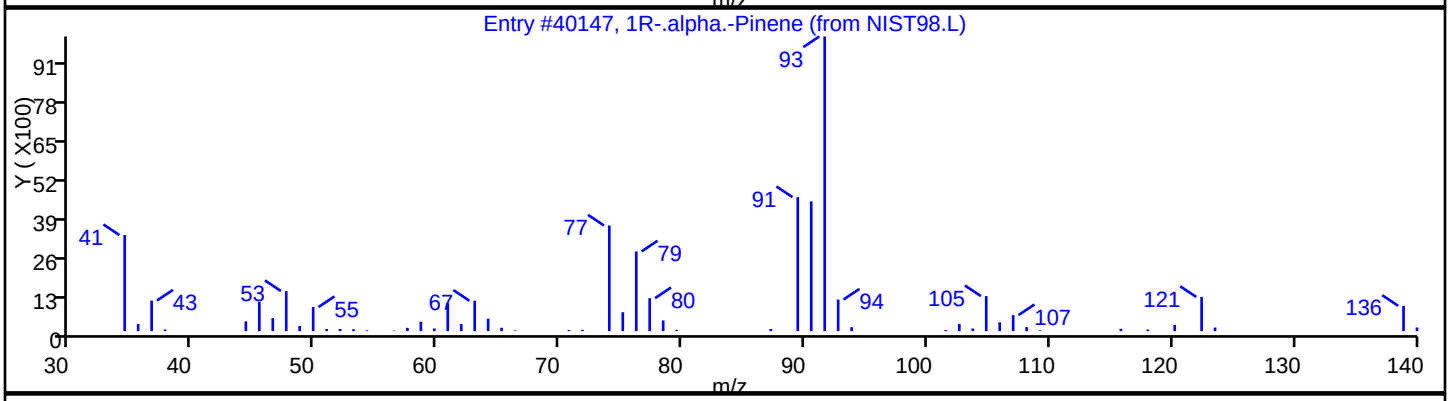
Sample Info: 360-24582-a-6-c 10X

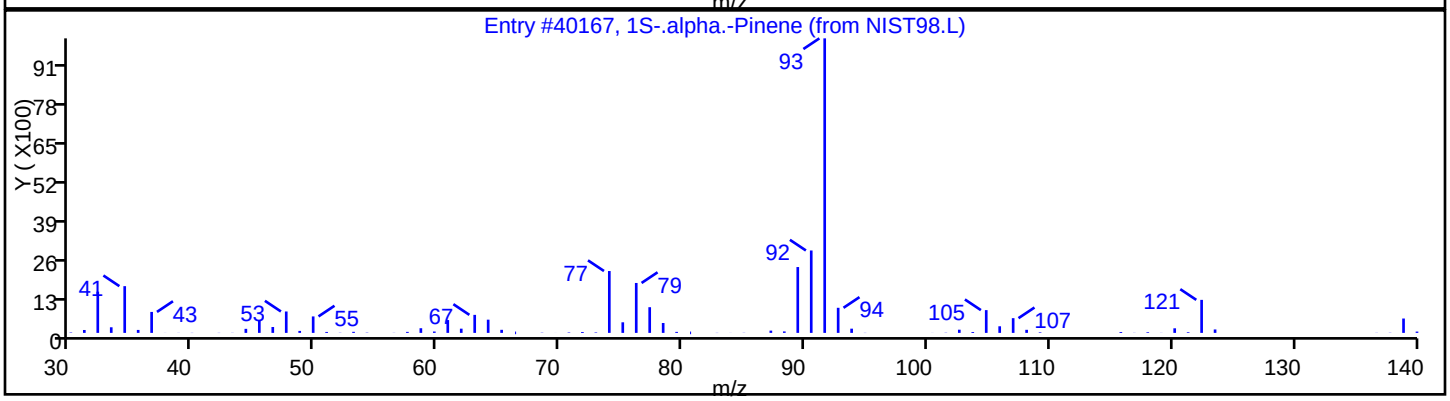
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
.alpha.-Pinene	80-56-8	NIST98.L	40169	97
1R-.alpha.-Pinene	7785-70-8	NIST98.L	40147	96
1S-.alpha.-Pinene	7785-26-4	NIST98.L	40167	95









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

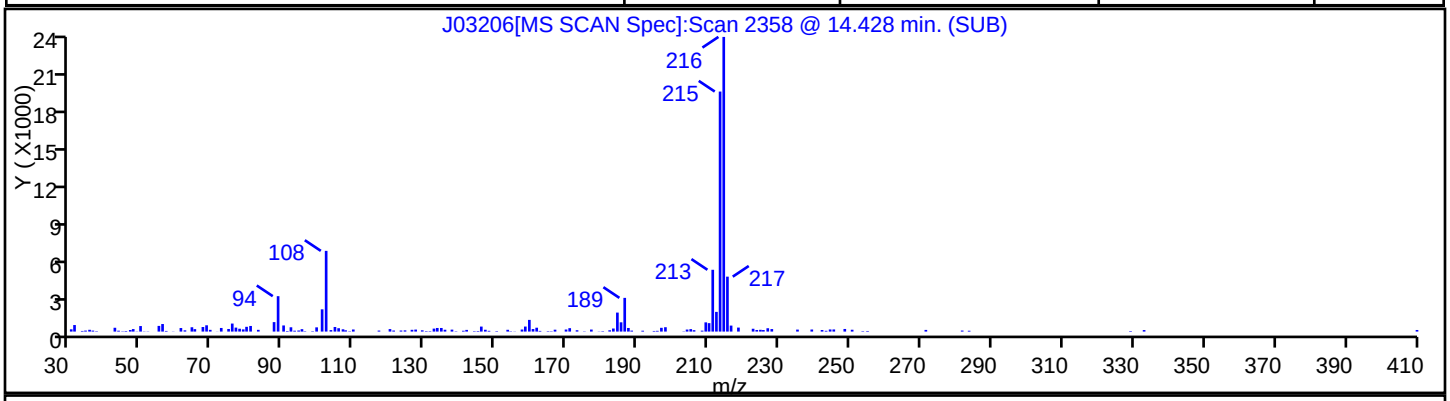
Lims Batch ID: 49648 Lims Sample ID: 25

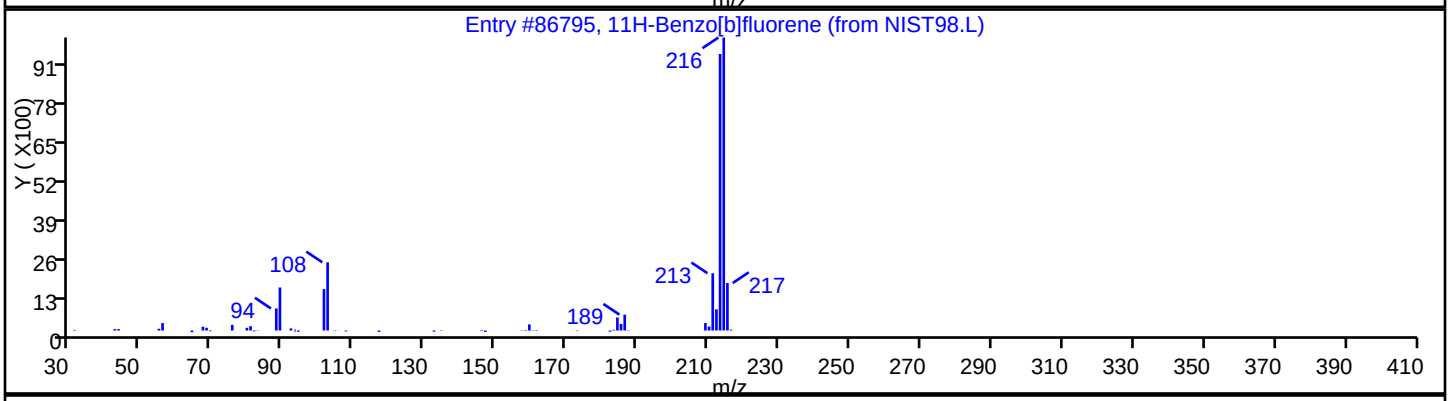
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

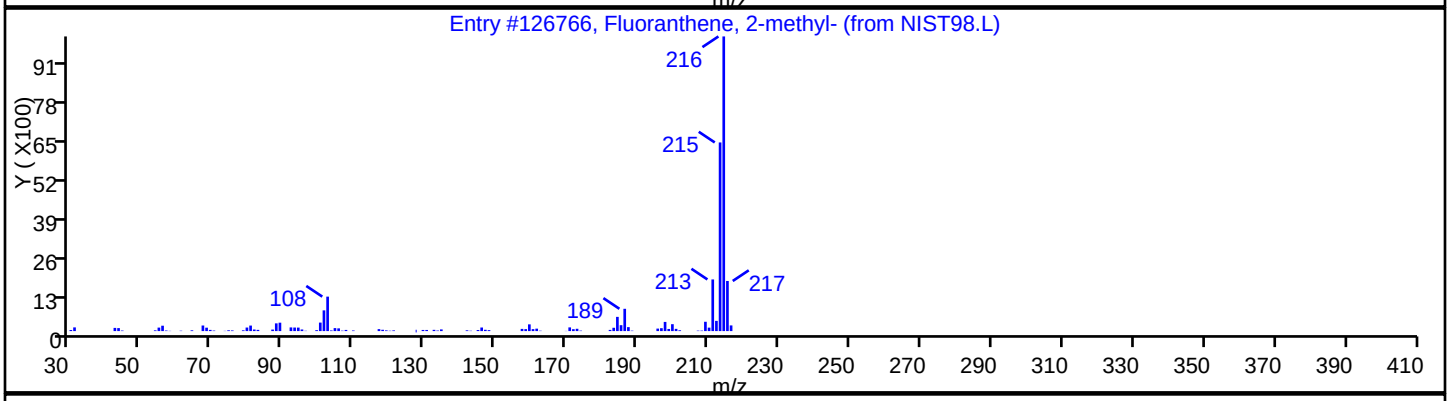
Sample Info: 360-24582-a-6-c 10X

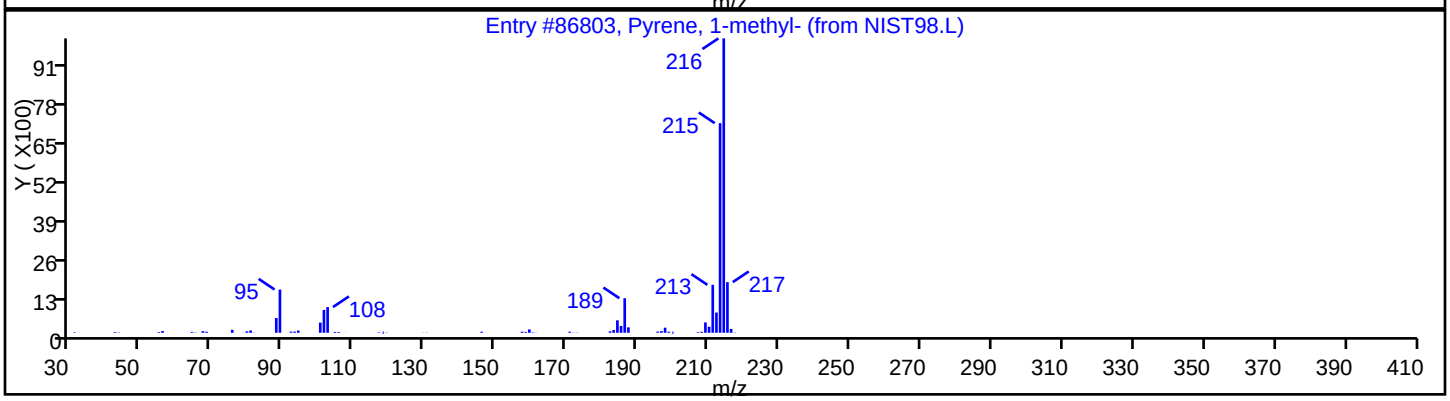
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
11H-Benzo[b]fluorene	243-17-4	NIST98.L	86795	95
Fluoranthene, 2-methyl-	33543-31-6	NIST98.L	126766	95
Pyrene, 1-methyl-	2381-21-7	NIST98.L	86803	93









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

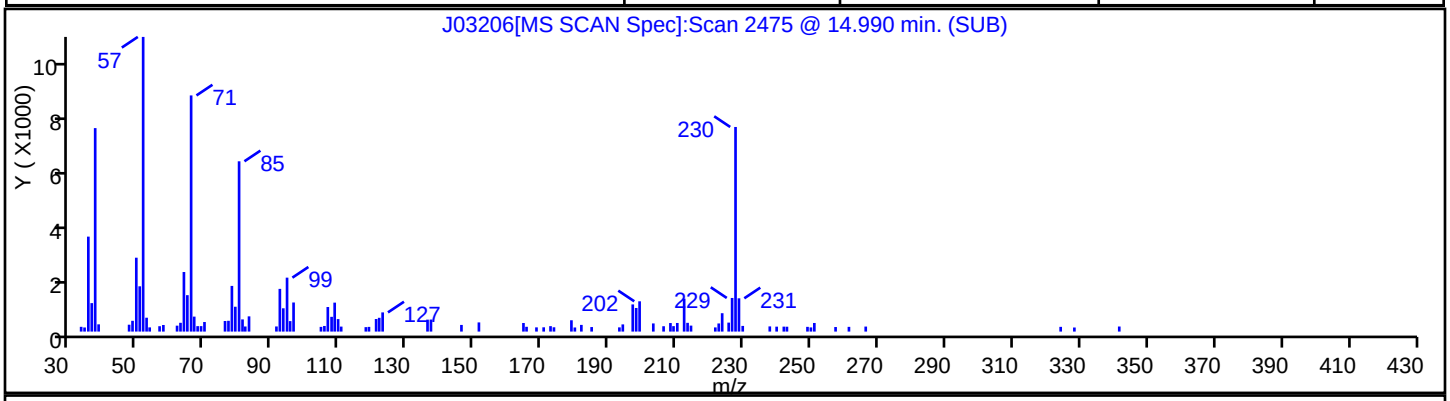
Lims Batch ID: 49648 Lims Sample ID: 25

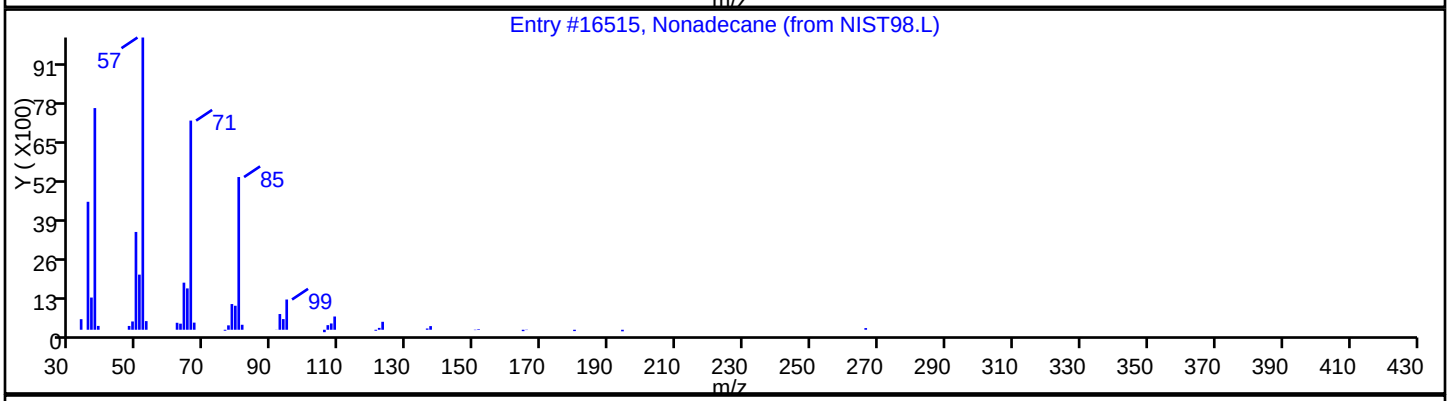
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

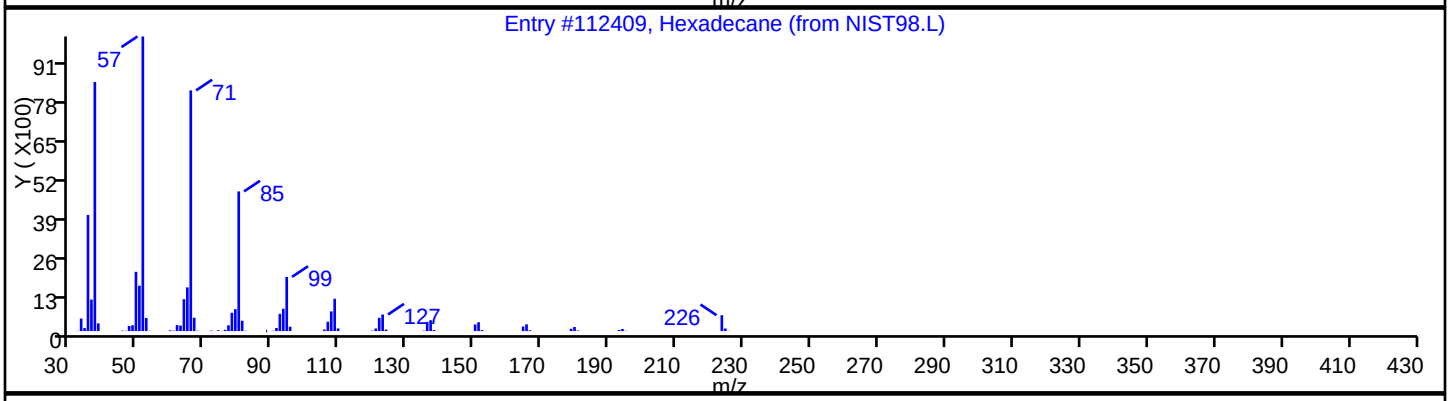
Sample Info: 360-24582-a-6-c 10X

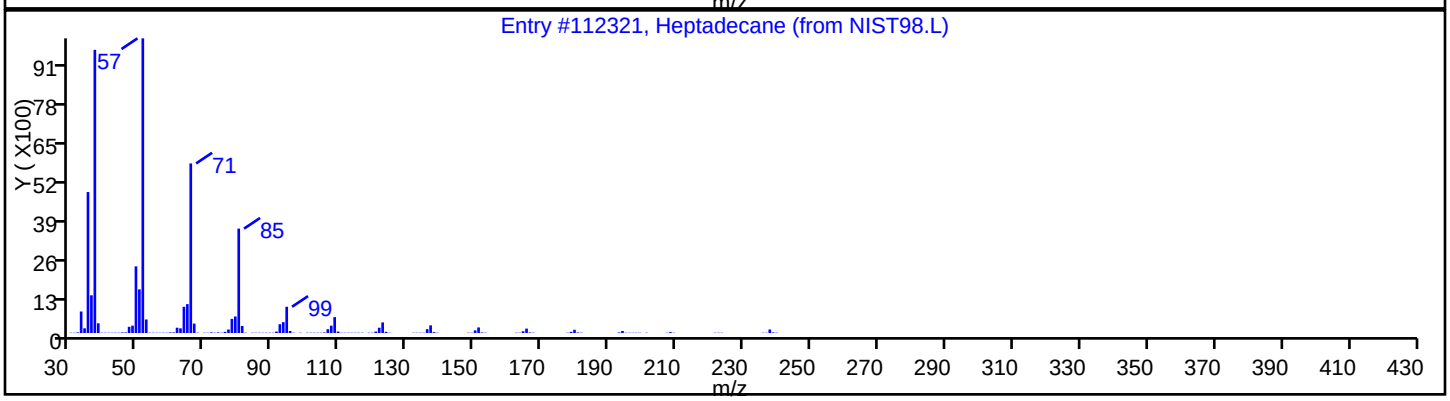
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	16515	96
Hexadecane	544-76-3	NIST98.L	112409	94
Heptadecane	629-78-7	NIST98.L	112321	62









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

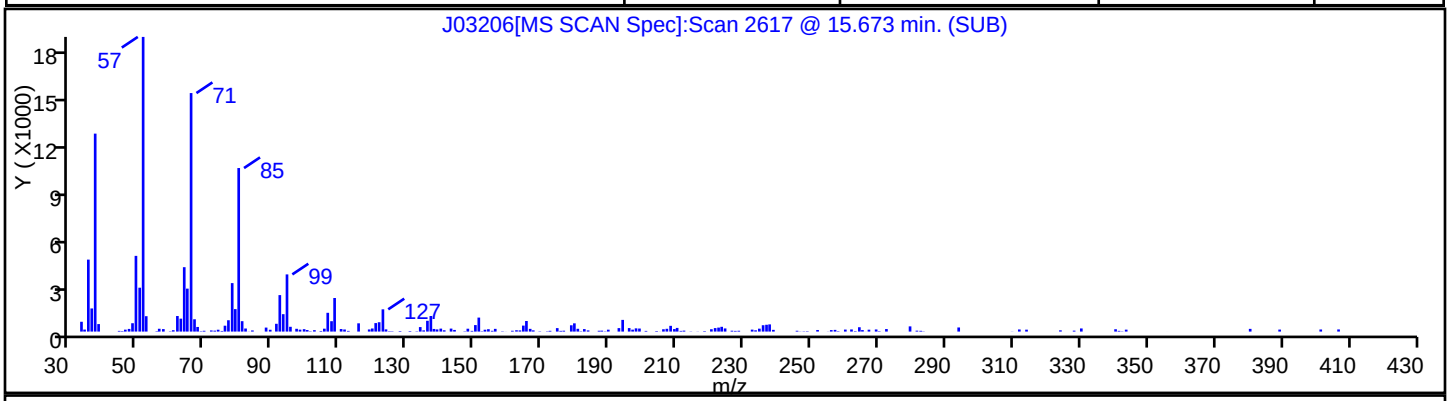
Lims Batch ID: 49648 Lims Sample ID: 25

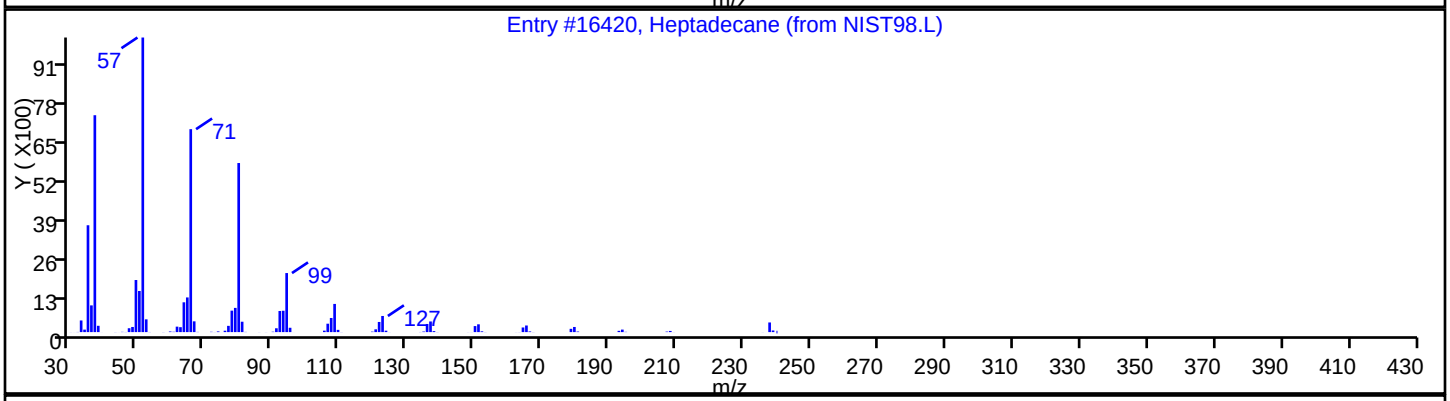
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

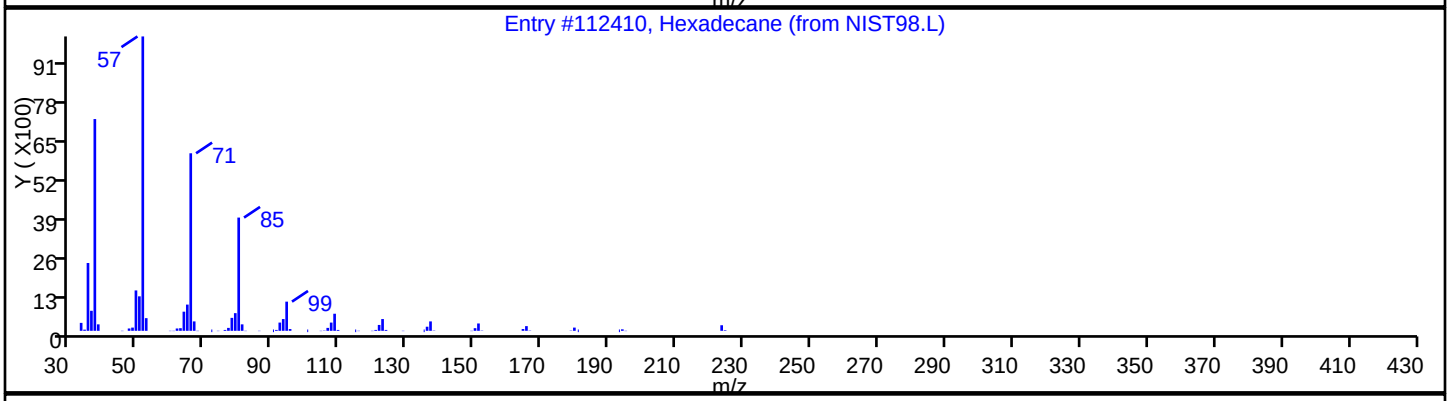
Sample Info: 360-24582-a-6-c 10X

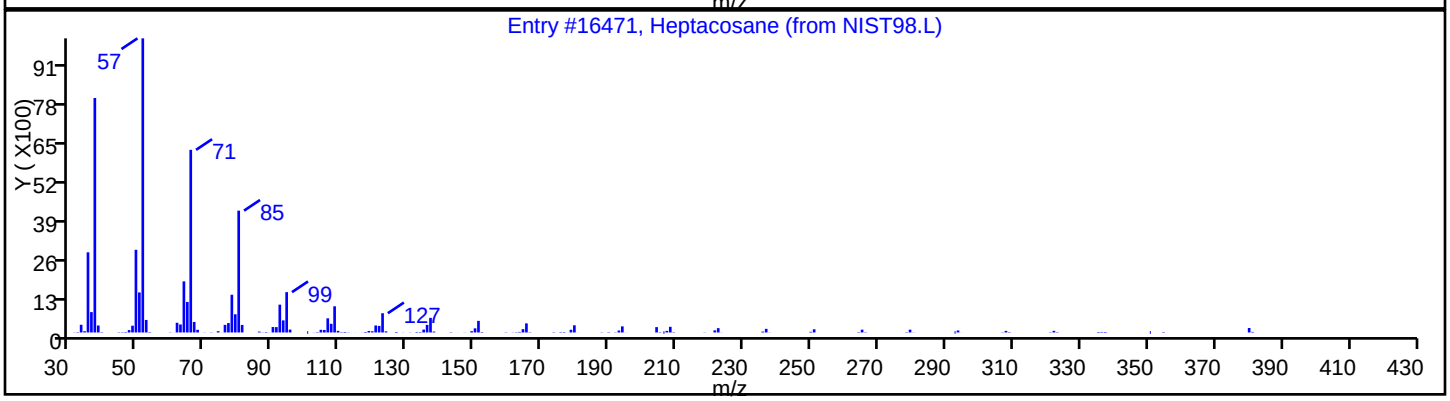
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	16420	96
Hexadecane	544-76-3	NIST98.L	112410	95
Heptacosane	593-49-7	NIST98.L	16471	94









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

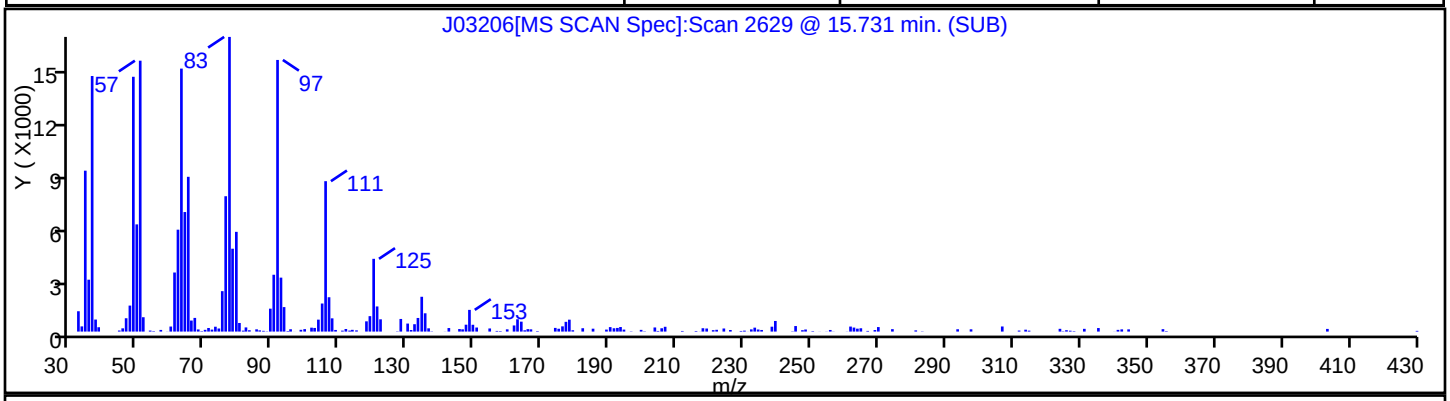
Lims Batch ID: 49648 Lims Sample ID: 25

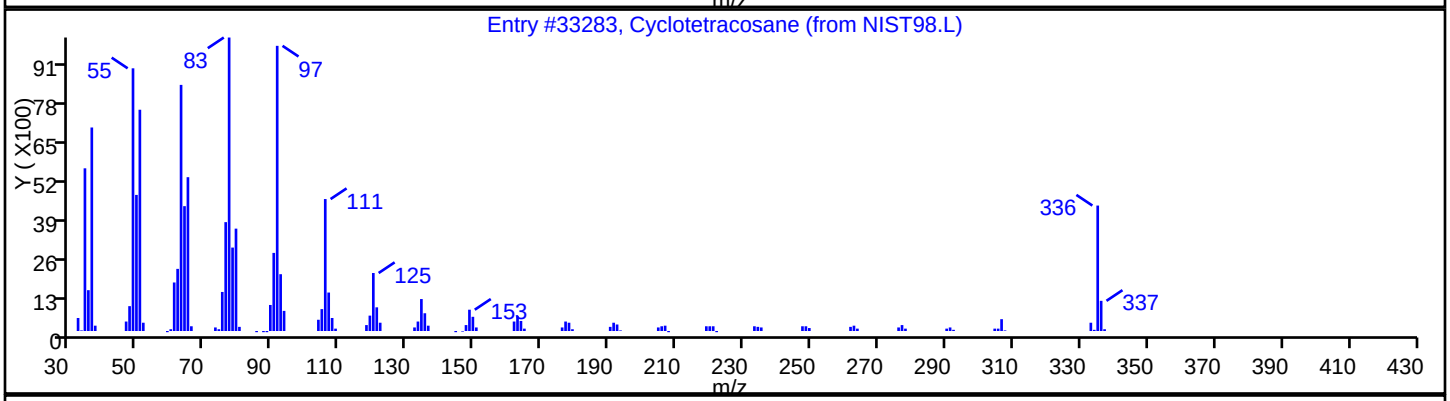
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

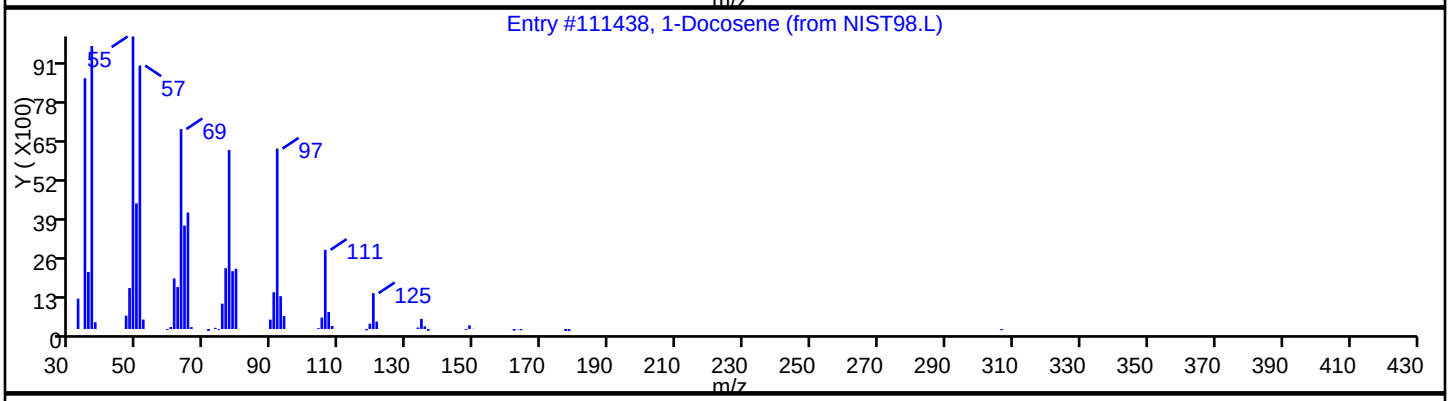
Sample Info: 360-24582-a-6-c 10X

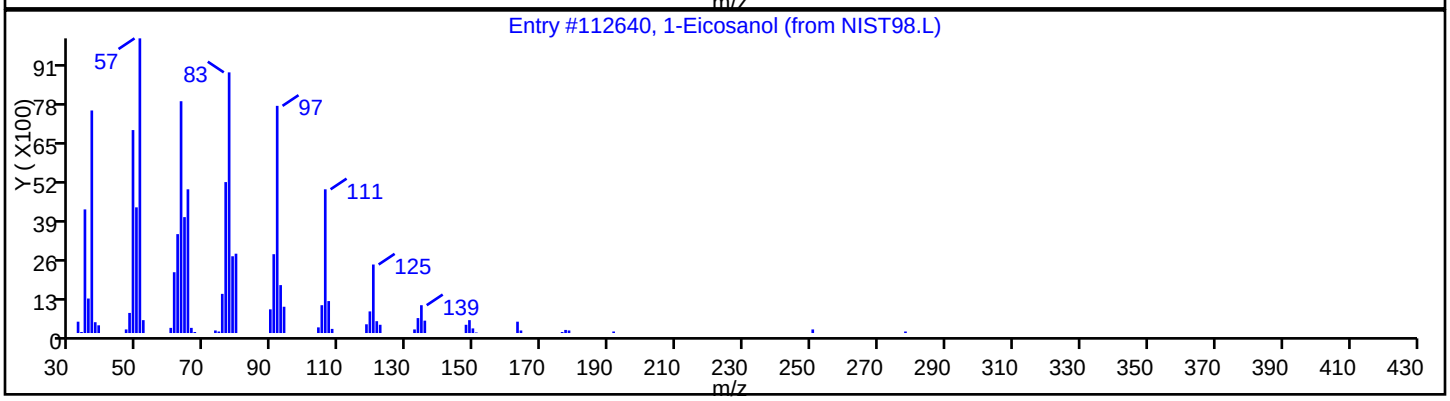
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	98
1-Docosene	1599-67-3	NIST98.L	111438	94
1-Eicosanol	629-96-9	NIST98.L	112640	94









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

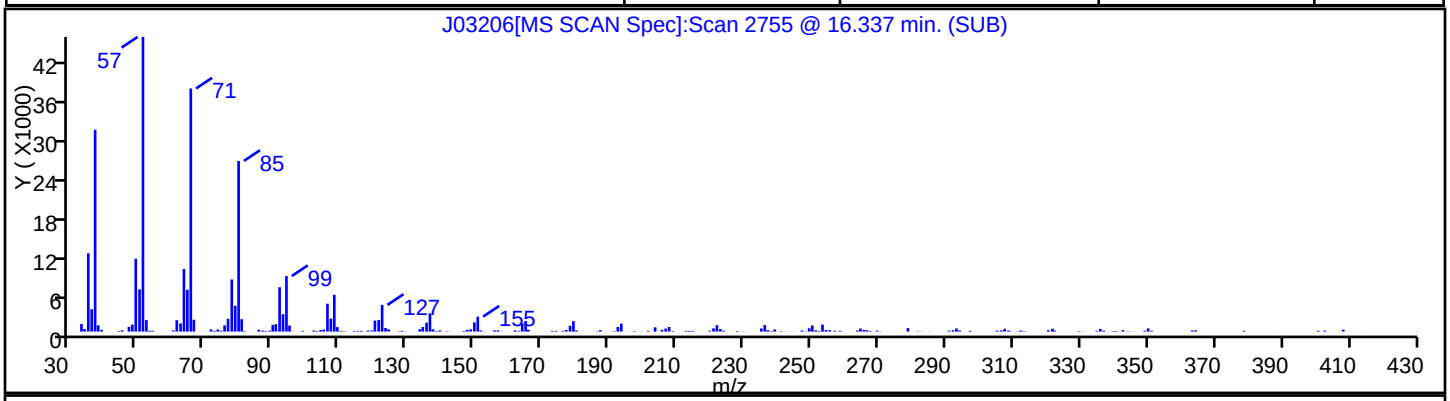
Lims Batch ID: 49648 Lims Sample ID: 25

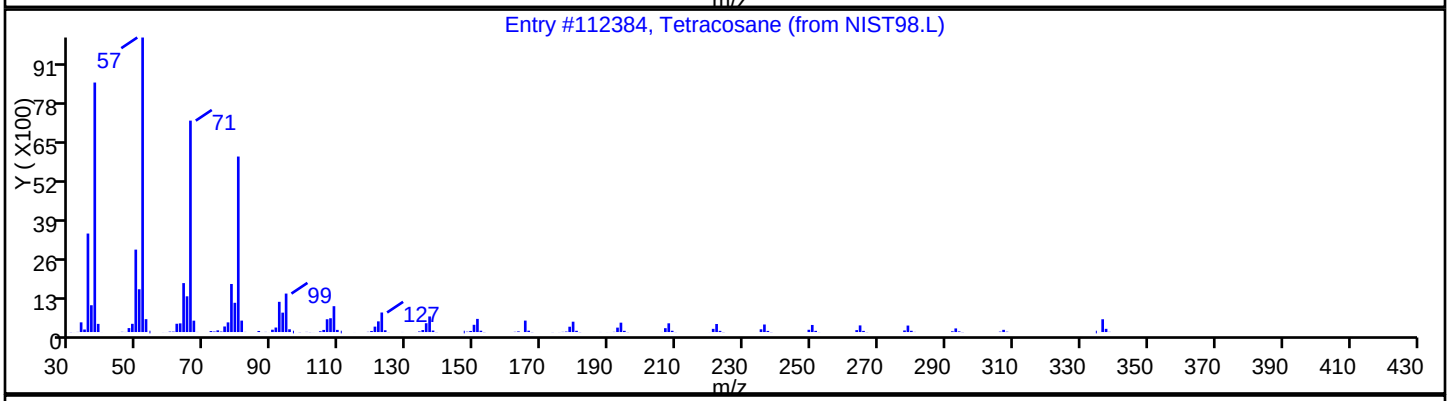
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

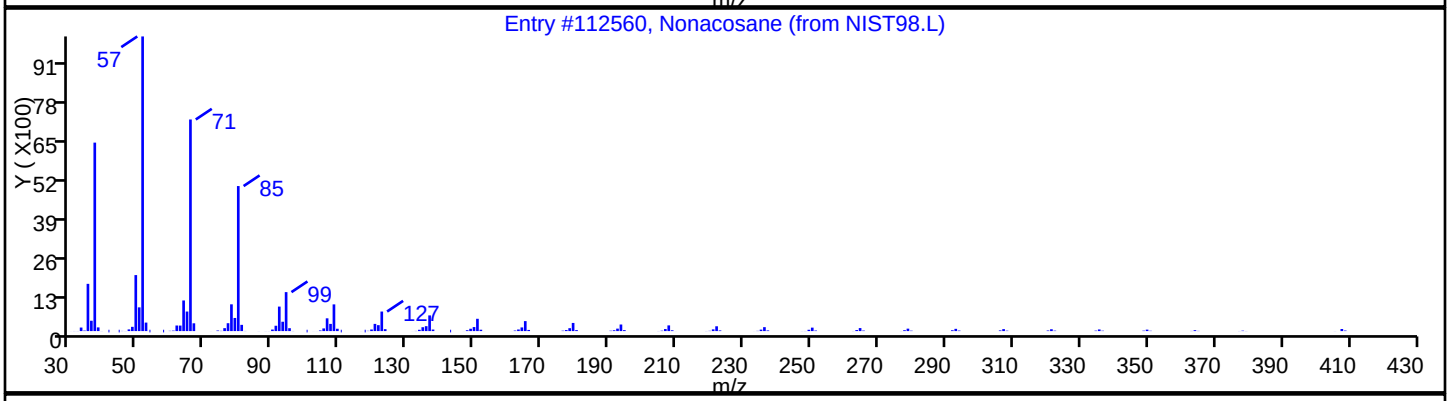
Sample Info: 360-24582-a-6-c 10X

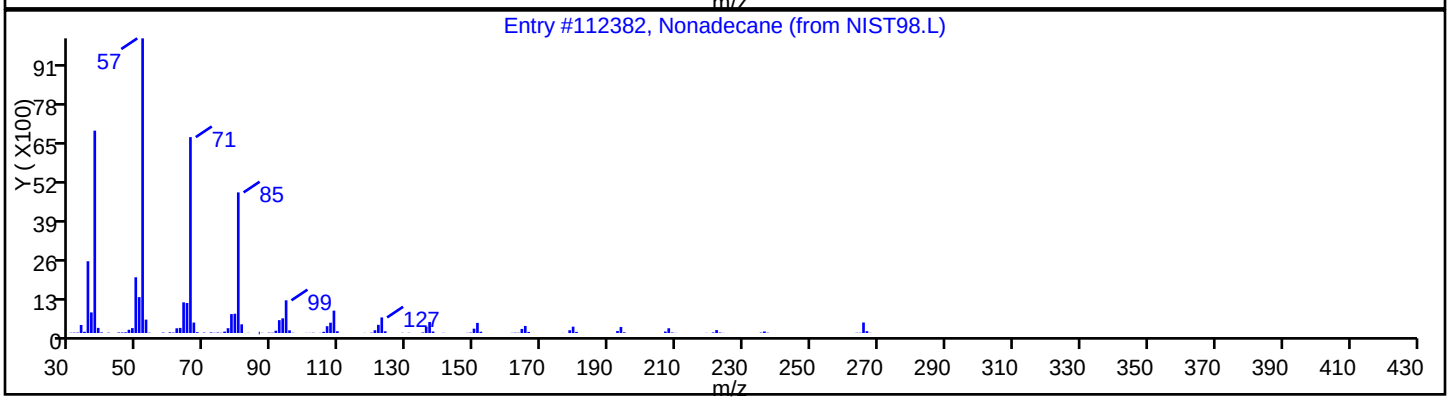
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112384	96
Nonacosane	630-3-5	NIST98.L	112560	95
Nonadecane	629-92-5	NIST98.L	112382	95









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

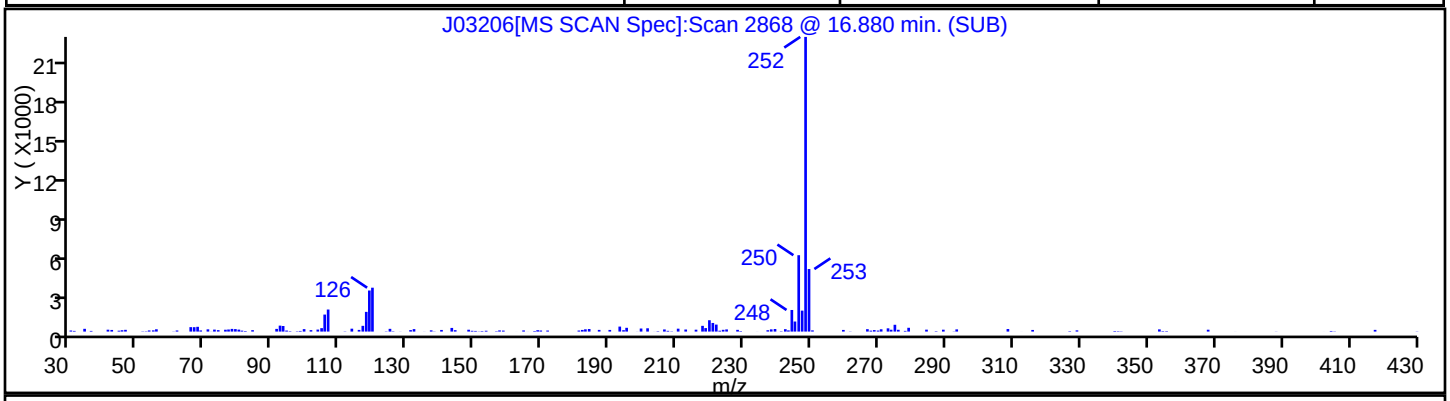
Lims Batch ID: 49648 Lims Sample ID: 25

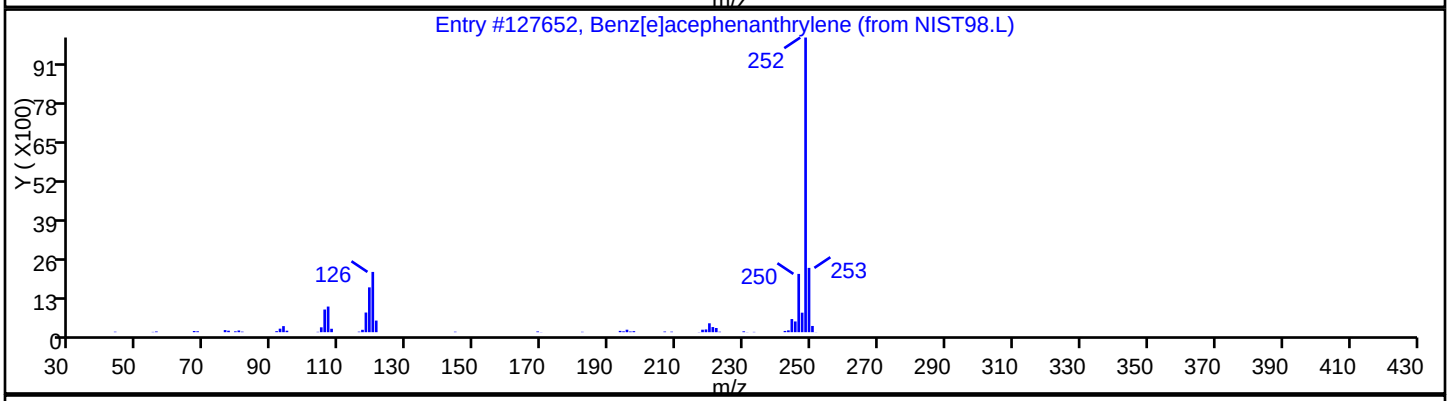
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

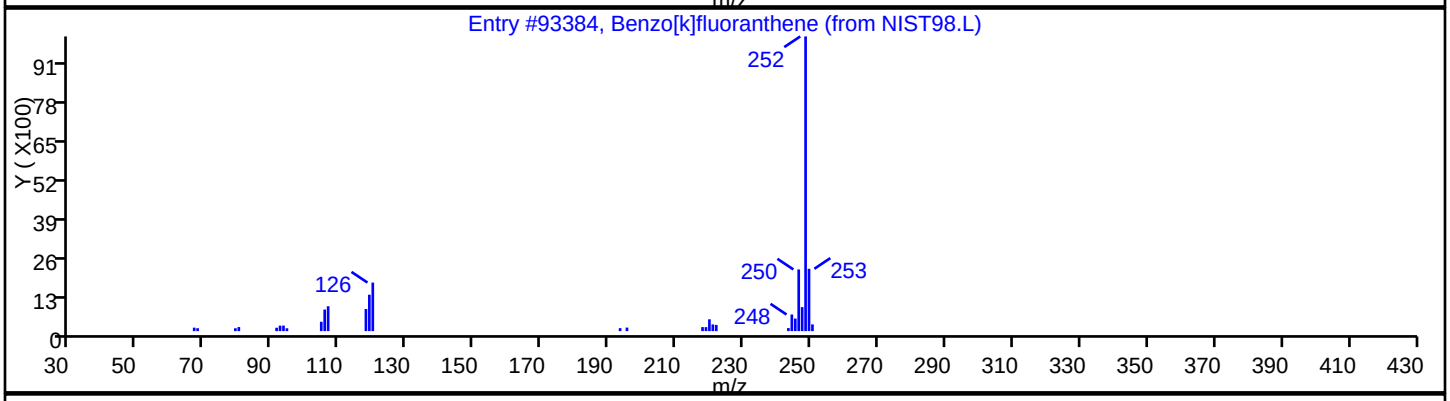
Sample Info: 360-24582-a-6-c 10X

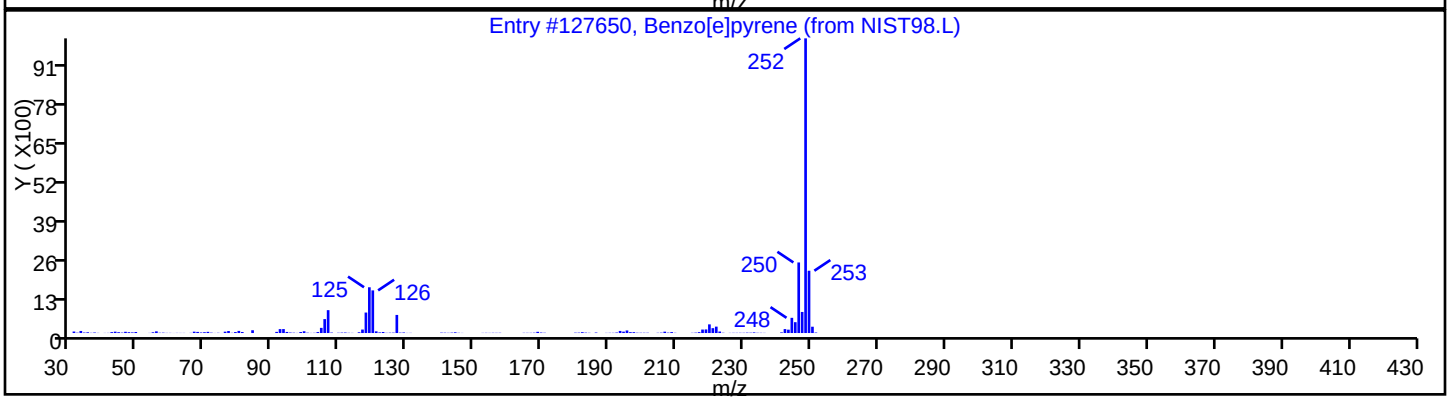
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	94
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	94
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

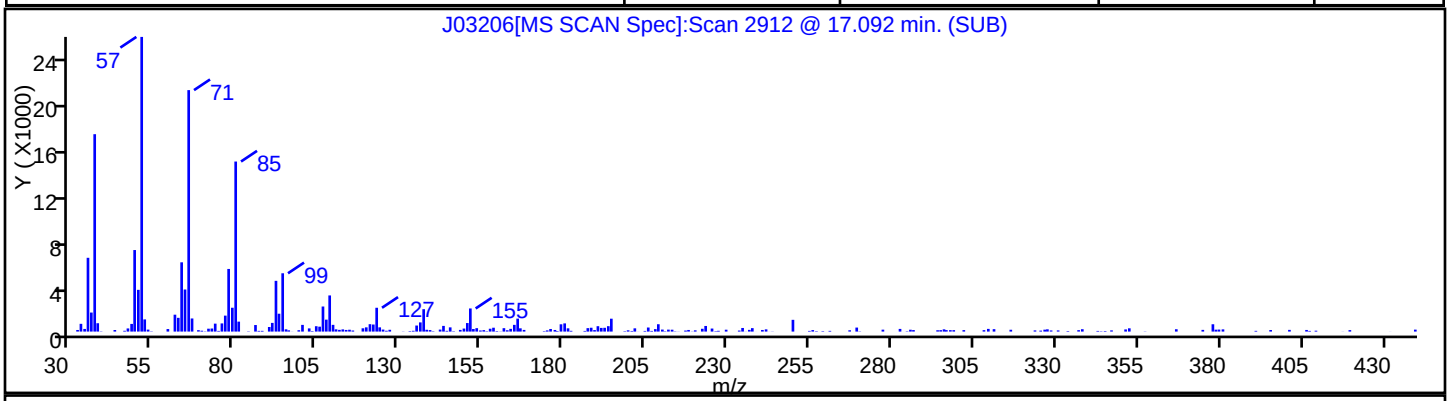
Lims Batch ID: 49648 Lims Sample ID: 25

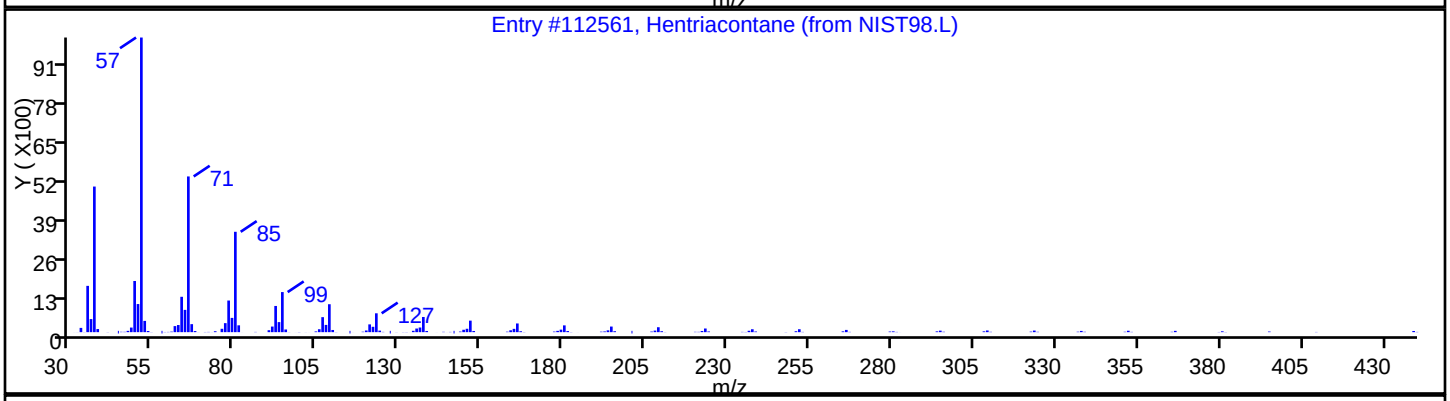
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

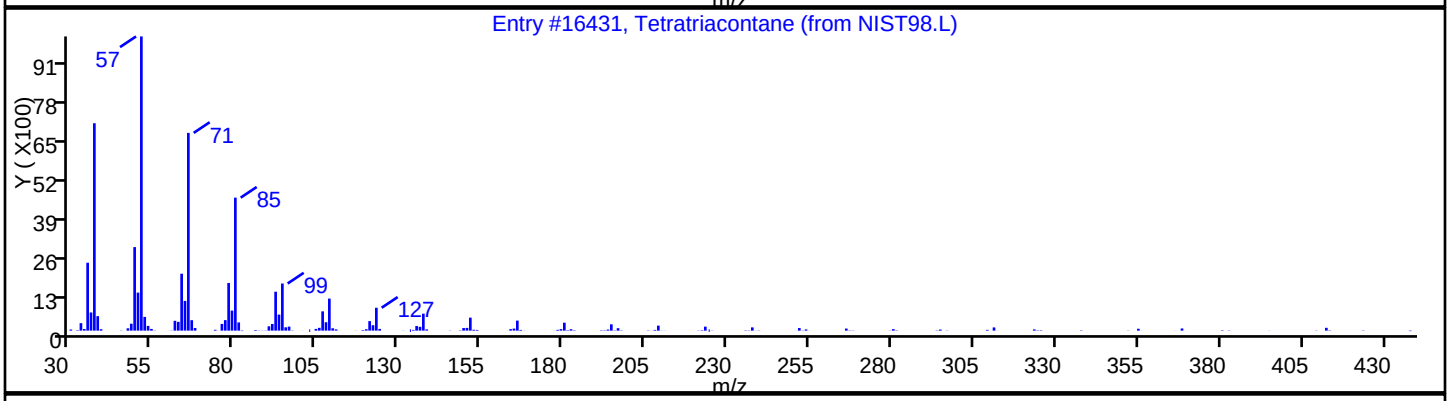
Sample Info: 360-24582-a-6-c 10X

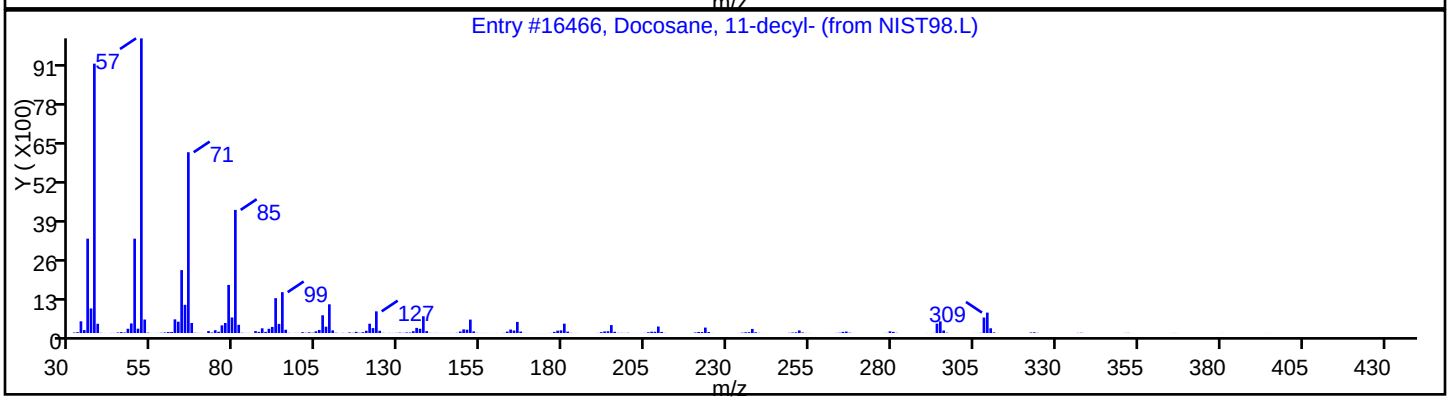
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hentriacontane	630-4-6	NIST98.L	112561	95
Tetratriacontane	14167-59-0	NIST98.L	16431	91
Docosane, 11-decyl-	55401-55-3	NIST98.L	16466	91









Report Date: 30-Sep-2009 08:56:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03206.D

Inj Date: 29-Sep-2009 02:43:30 Limit Group: SMS - 8270LL SVOA Calibration

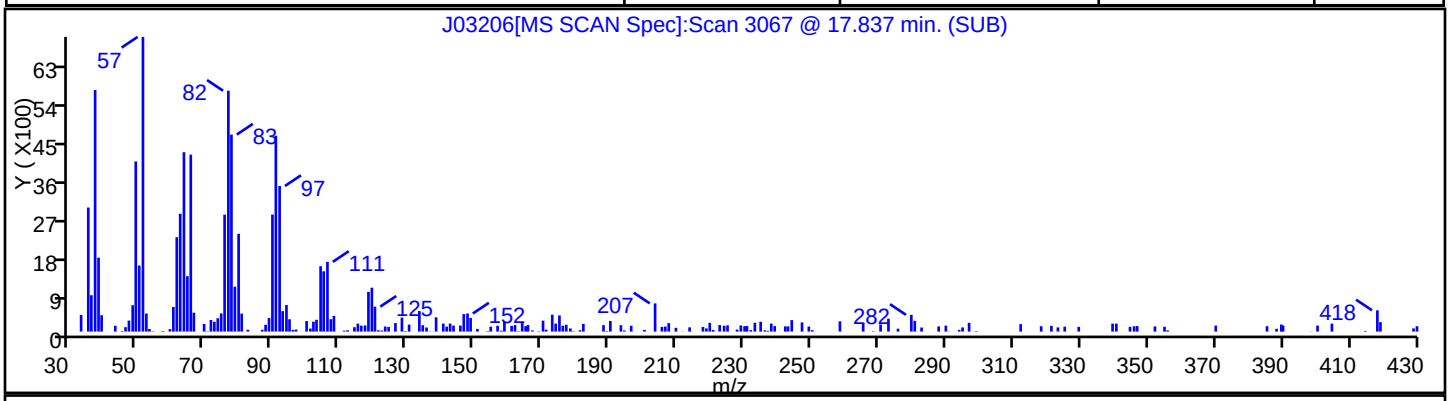
Lims Batch ID: 49648 Lims Sample ID: 25

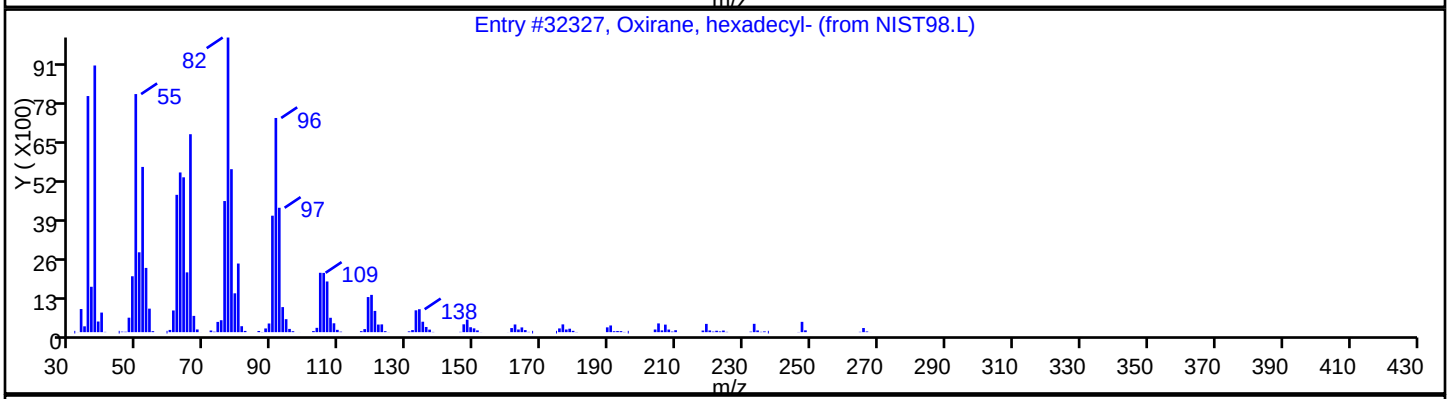
Client ID: OC-SS-401-0.1/1.0-XXX Instrument: Inst. J

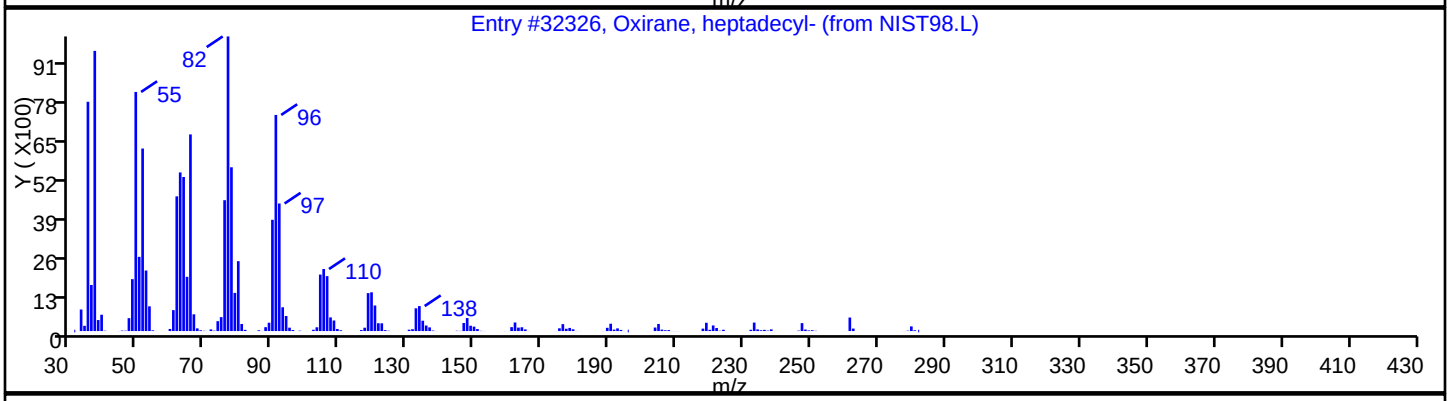
Sample Info: 360-24582-a-6-c 10X

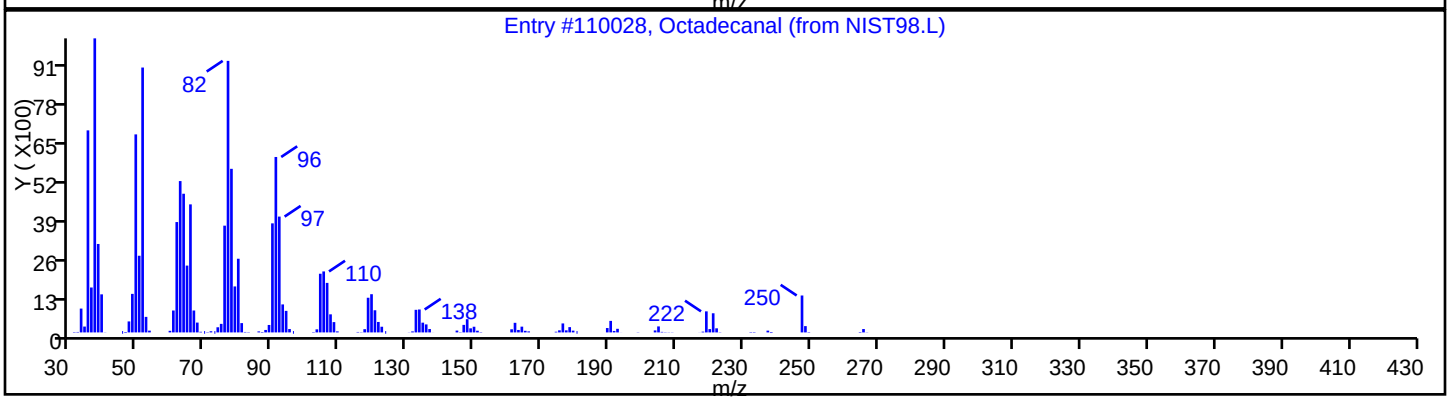
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	91
Octadecanal	638-66-4	NIST98.L	110028	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: J03207.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.46(g) | Date Analyzed: 09/29/2009 03:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		440	130
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		440	130
120-82-1	1,2,4-Trichlorobenzene	ND		440	130
95-50-1	1,2-Dichlorobenzene	ND		440	130
541-73-1	1,3-Dichlorobenzene	ND		440	130
106-46-7	1,4-Dichlorobenzene	ND		440	130
90-12-0	1-Methylnaphthalene	ND		440	130
108-60-1	2,2'-oxybis[1-chloropropane]	ND		440	130
58-90-2	2,3,4,6-Tetrachlorophenol	ND		440	130
95-95-4	2,4,5-Trichlorophenol	ND		440	130
88-06-2	2,4,6-Trichlorophenol	ND		440	130
120-83-2	2,4-Dichlorophenol	ND	*	440	130
105-67-9	2,4-Dimethylphenol	ND		440	170
51-28-5	2,4-Dinitrophenol	ND		440	130
121-14-2	2,4-Dinitrotoluene	ND		440	130
606-20-2	2,6-Dinitrotoluene	ND		440	130
91-58-7	2-Chloronaphthalene	ND		440	130
95-57-8	2-Chlorophenol	ND		440	130
91-57-6	2-Methylnaphthalene	ND		440	130
95-48-7	2-Methylphenol	ND		440	260
88-74-4	2-Nitroaniline	ND		2200	130
88-75-5	2-Nitrophenol	ND		440	130
15831-10-4	3 & 4 Methylphenol	ND		440	130
91-94-1	3,3'-Dichlorobenzidine	ND		880	130
99-09-2	3-Nitroaniline	ND		2200	130
534-52-1	4,6-Dinitro-2-methylphenol	ND		2200	130
101-55-3	4-Bromophenyl phenyl ether	ND		440	130
59-50-7	4-Chloro-3-methylphenol	ND		880	130
106-47-8	4-Chloroaniline	ND		880	130
7005-72-3	4-Chlorophenyl phenyl ether	ND		440	130
100-01-6	4-Nitroaniline	ND		2200	130
100-02-7	4-Nitrophenol	ND		2200	130
83-32-9	Acenaphthene	ND		440	130
208-96-8	Acenaphthylene	ND		440	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: J03207.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.46(g) | Date Analyzed: 09/29/2009 03:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		440	130
62-53-3	Aniline	ND	*	440	130
120-12-7	Anthracene	ND		440	130
1912-24-9	Atrazine	ND		440	130
103-33-3	Azobenzene	ND		440	130
100-52-7	Benzaldehyde	290	J	440	130
56-55-3	Benzo[a]anthracene	ND		440	130
50-32-8	Benzo[a]pyrene	ND		440	130
205-99-2	Benzo[b]fluoranthene	150	J	440	130
191-24-2	Benzo[g,h,i]perylene	ND		440	130
207-08-9	Benzo[k]fluoranthene	ND		440	130
65-85-0	Benzoic acid	900	J B	2200	200
119-61-9	Benzophenone	ND		440	130
100-51-6	Benzyl alcohol	ND		880	370
111-91-1	Bis(2-chloroethoxy)methane	ND		440	130
111-44-4	Bis(2-chloroethyl)ether	ND		440	130
117-81-7	Bis(2-ethylhexyl) phthalate	250	J B	440	130
85-68-7	Butyl benzyl phthalate	ND		440	130
105-60-2	Caprolactam	ND		440	130
86-74-8	Carbazole	ND		440	130
218-01-9	Chrysene	160	J	440	130
53-70-3	Dibenz(a,h)anthracene	ND		440	130
132-64-9	Dibenzofuran	ND		440	130
84-66-2	Diethyl phthalate	ND		440	130
131-11-3	Dimethyl phthalate	ND		440	130
84-74-2	Di-n-butyl phthalate	ND		440	390
117-84-0	Di-n-octyl phthalate	ND		440	220
101-84-8	Diphenyl oxide	ND		440	130
206-44-0	Fluoranthene	270	J	440	130
86-73-7	Fluorene	ND		440	130
118-74-1	Hexachlorobenzene	ND		440	130
87-68-3	Hexachlorobutadiene	ND		440	130
77-47-4	Hexachlorocyclopentadiene	ND		880	130
67-72-1	Hexachloroethane	ND		440	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: J03207.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.46(g) | Date Analyzed: 09/29/2009 03:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	440	130
78-59-1	Isophorone	ND		440	130
91-20-3	Naphthalene	ND		1100	130
98-95-3	Nitrobenzene	ND		440	130
62-75-9	N-Nitrosodimethylamine	ND		440	160
621-64-7	N-Nitrosodi-n-propylamine	ND		440	130
86-30-6	N-Nitrosodiphenylamine	ND		440	130
87-86-5	Pentachlorophenol	ND		440	130
85-01-8	Phenanthrene	180	J	530	130
108-95-2	Phenol	ND		440	130
129-00-0	Pyrene	210	J	440	130

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	53	30-130	
321-60-8	2-Fluorobiphenyl	47	30-130	
367-12-4	2-Fluorophenol	47	30-130	
4165-60-0	Nitrobenzene-d5	57	30-130	
4165-62-2	Phenol-d5	46	30-130	
1718-51-0	Terphenyl-d14	52	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-402-0.0/1.0-XXX | Lab Sample ID: 360-24582-7

Matrix: Solid | Lab File ID: J03207.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 15:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.46(g) | Date Analyzed: 09/29/2009 03:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 2560

CAS NO.	COMPOUND NAME	RT	RESULT	Q
763-93-9	3-Hexen-2-one	5.69	390	T J N
121-33-5	Vanillin	10.59	140	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	330	T J N
629-94-7	Heneicosane	13.56	210	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	250	T J N
629-78-7	Heptadecane	14.29	210	T J N
1000144-57-9	16-Heptadecenal	14.80	190	T J N
481-74-3	9,10-Anthracenedione, 1,8-dihydroxy-3-me	14.87	150	T J N
593-45-3	Octadecane	15.00	320	T J N
67860-4-2	Oxirane, heptadecyl-	15.51	370	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Lims ID:	360-24582-A-7-C	Client ID:	OC-SS-402-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 03:16:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-7-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49648	Lims Sample ID:	26
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:00:10	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:00:10

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	57215	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	138771	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	73008	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	120436	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	74522	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	48645	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	7961	0.4705	
$ 8 Phenol-d5	99	7.681	7.680	0.001	9194	0.4592	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	5566	0.2856	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	9956	0.2358	M
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	2123	0.5296	
$ 12 Terphenyl-d14	244	14.202	14.201	0.001	6932	0.2585	
17 Benzaldehyde	105	7.599	7.599	0.000	6840	0.6543	
18 Phenol	94	7.695	7.695	0.000	788	0.0366	
30 Acetophenone	105	8.469	8.469	0.000	3666	0.1563	
36 Benzoic acid	105	9.027	9.037	-0.009	6173	2.06	
41 Naphthalene	128	9.369	9.368	0.001	12659	0.2275	
46 2-Methylnaphthalene	142	10.056	10.056	0.000	4077	0.1118	
47 1-Methylnaphthalene	142	10.167	10.171	-0.004	3059	0.0861	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	3110	0.0700	
58 Acenaphthylene	152	10.984	10.984	0.000	1415	0.0263	
61 Acenaphthene	153	11.167	11.167	0.000	582	0.0164	
64 Dibenzofuran	168	11.321	11.321	0.000	2497	0.0508	
66 Diethyl phthalate	149	11.542	11.547	-0.005	639	0.0154	
80 Phenanthrene	178	12.643	12.643	0.000	20112	0.4045	
81 Anthracene	178	12.687	12.686	0.001	1049	0.0190	
83 Carbazole	167	12.841	12.840	0.001	2421	0.0562	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	3162	0.0503	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.850	13.850	0.000	30230	0.6069	
85 Pyrene	202	14.091	14.091	0.000	21416	0.4881	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	14847	0.5607	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	5754	0.1912	
94 Chrysene	228	15.404	15.408	-0.004	10845	0.3614	
97 Benzo[b]fluoranthene	252	16.543	16.543	0.000	9613	0.3468	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	5523	0.2078	M
99 Benzo[a]pyrene	252	16.947	16.947	0.000	4703	0.2638	M
100 Indeno[1,2,3-cd]pyrene	276	18.558	18.553	0.005	3009	0.2366	
102 Benzo[g,h,i]perylene	276	19.015	19.020	-0.005	3152	0.2628	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Lims ID:	360-24582-A-7-C	Client ID:	OC-SS-402-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 03:16:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-7-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49648	Lims Sample ID:	26
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:00:10	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:00:10

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.947	126	0.8883	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
763-93-9 3-Hexen-2-one						
5.685	103990	0.8801	1	91	116424	
121-33-5 Vanillin						
10.590	62305	0.3108	3	98	123636	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
12.240	123207	0.7627	4	97	126944	
629-94-7 Heneicosane						
13.557	77839	0.4818	4	98	17094	
112-61-8 Octadecanoic acid, methyl ester						
13.677	90686	0.5614	4	97	115468	
629-78-7 Heptadecane						
14.288	65253	0.4888	5	94	112322	
1000144-57-9 16-Heptadecenal						
14.798	57761	0.4327	5	96	32417	
481-74-3 9,10-Anthracenedione, 1,8-dihydroxy-3-me						
14.865	46969	0.3519	5	93	93725	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
593-45-3 Octadecane						
14.995	97347	0.7293	5	96	16439	
67860-4-2 Oxirane, heptadecyl-						
15.505	113825	0.8527	5	96	32326	
638-36-8 Hexadecane, 2,6,10,14-tetramethyl-						
15.673	250687	1.88	5	96	112575	
297-3-0 Cyclotetracosane						
15.721	897000	6.72	5	98	33283	
544-76-3 Hexadecane						
16.005	114692	0.8592	5	95	112410	
630-3-5 Nonacosane						
16.337	589283	9.48	6	96	112560	
297-3-0 Cyclotetracosane						
16.409	199143	3.21	6	97	33283	
593-49-7 Heptacosane						
17.092	311952	5.02	6	98	112354	
22513-81-1 1,22-Docosanediol						
17.842	507007	8.16	6	95	116346	
1000194-63-7 2,2,4a,6a,8a,9,12b,14a-Octamethyl-1,2,3,						
18.770	373293	6.01	6	98	41435	
559-74-0 Friedelin						
21.102	1101818	17.7	6	96	23281	

Quantitation Compounds

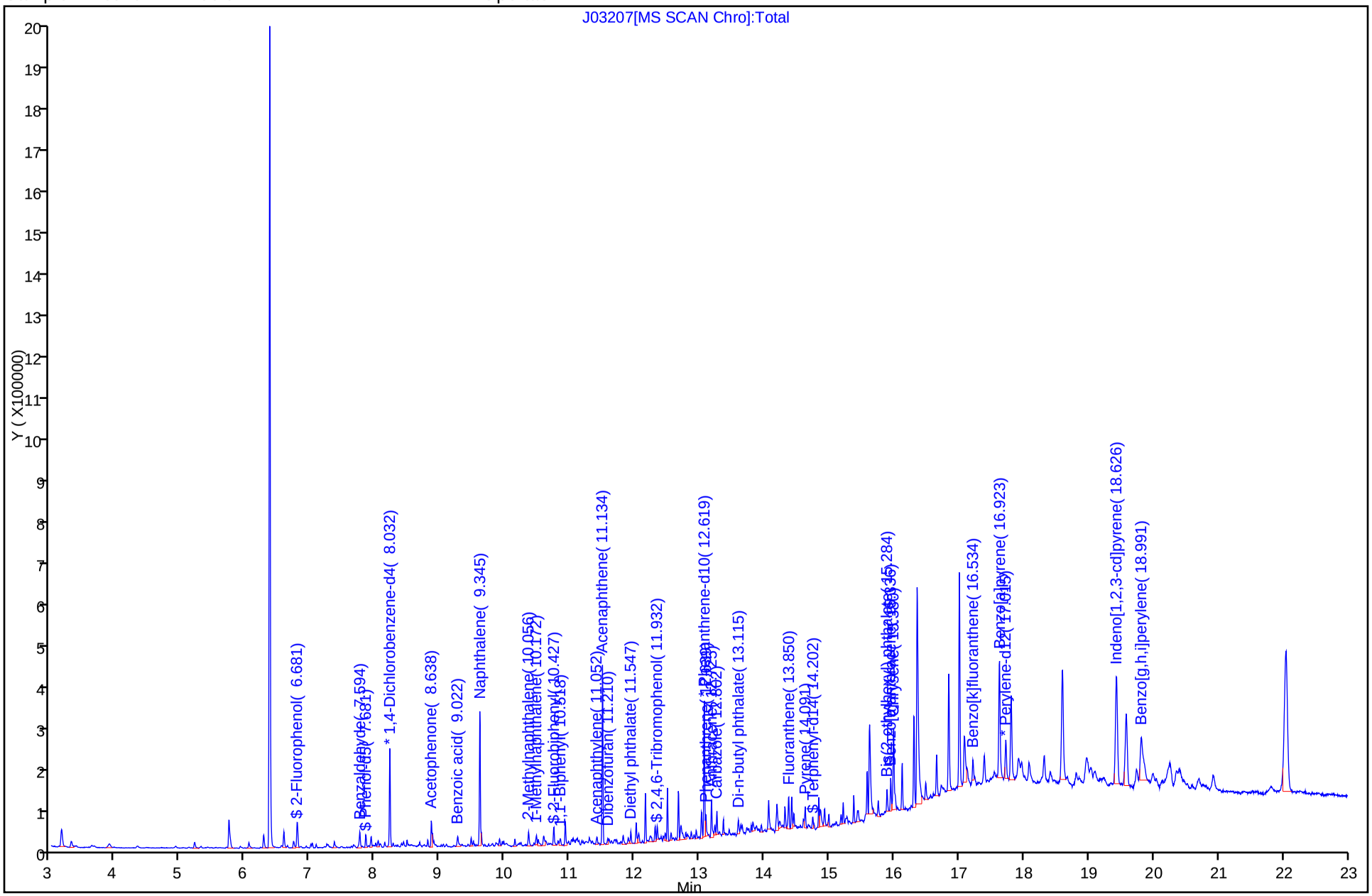
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.032	236319	2.00
* 3 Acenaphthene-d10	11.134	400948	2.00
* 4 Phenanthrene-d10	12.619	323090	2.00
* 5 Chrysene-d12	15.380	266968	2.00
* 6 Perylene-d12	17.015	124267	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:00:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

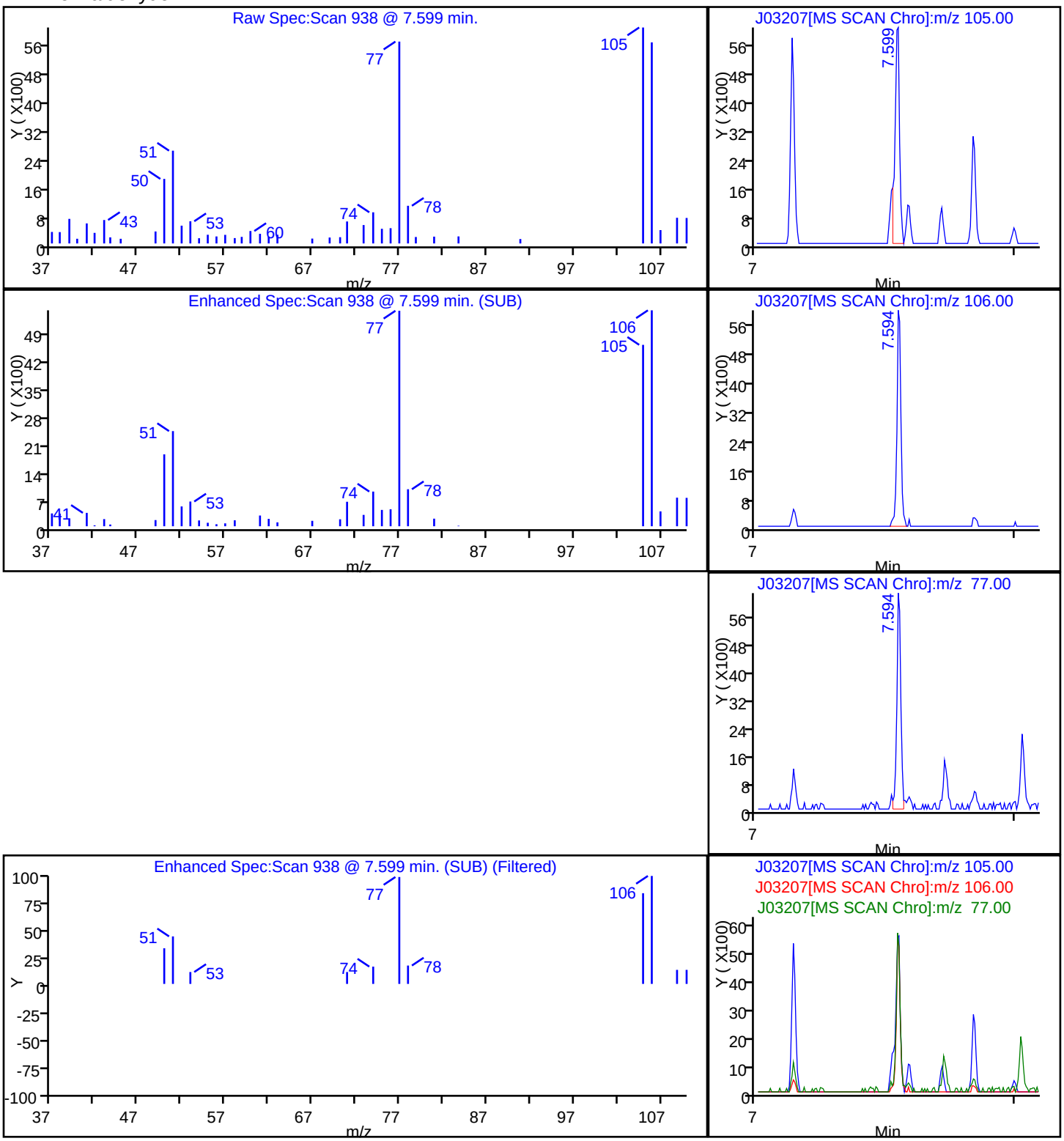
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:00:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

17 Benzaldehyde



Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

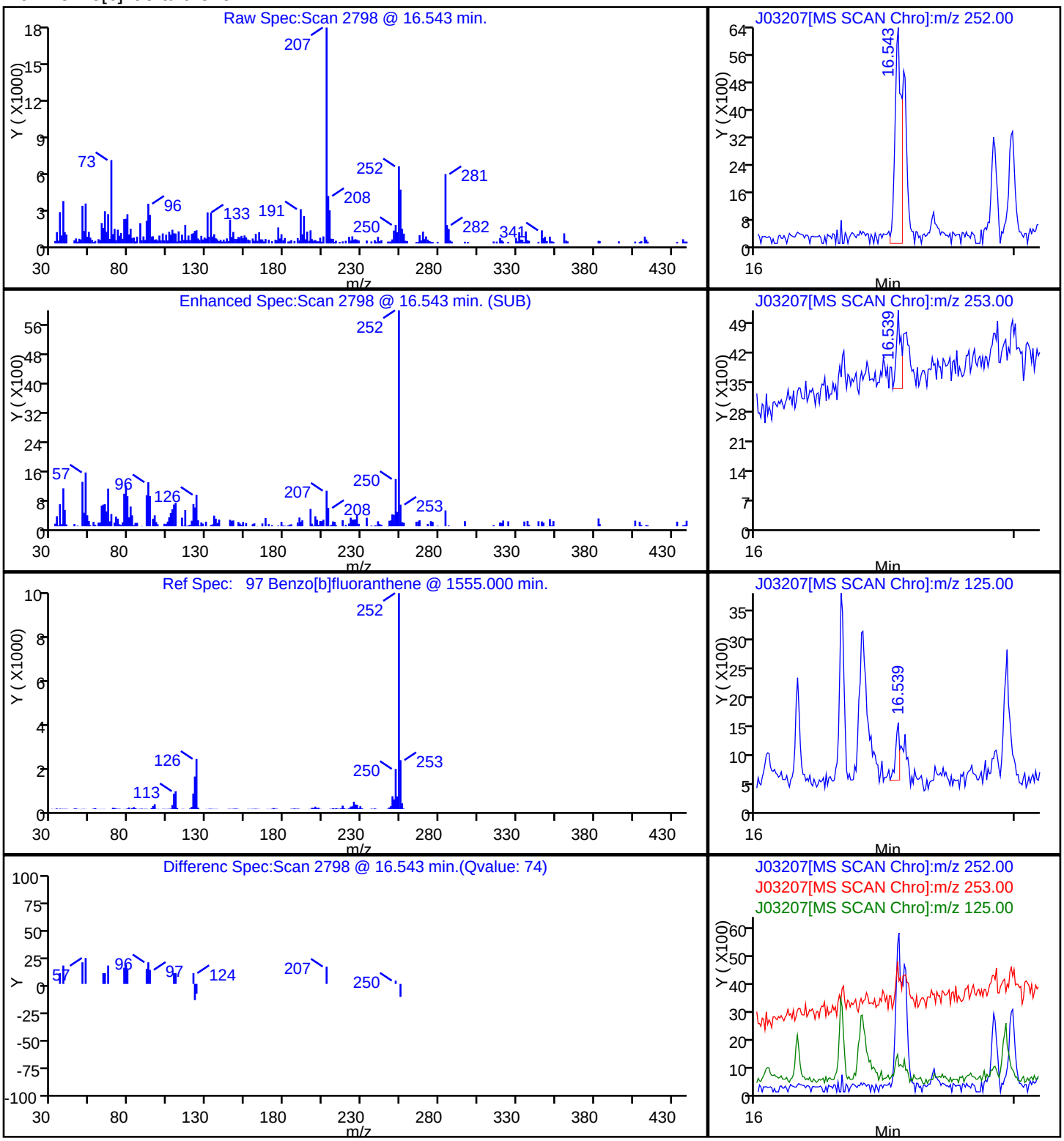
Lims Batch ID: 49648 Lims Sample ID: 26

Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-7-c 10X

Sample Amount: 1.00 ul Operator:

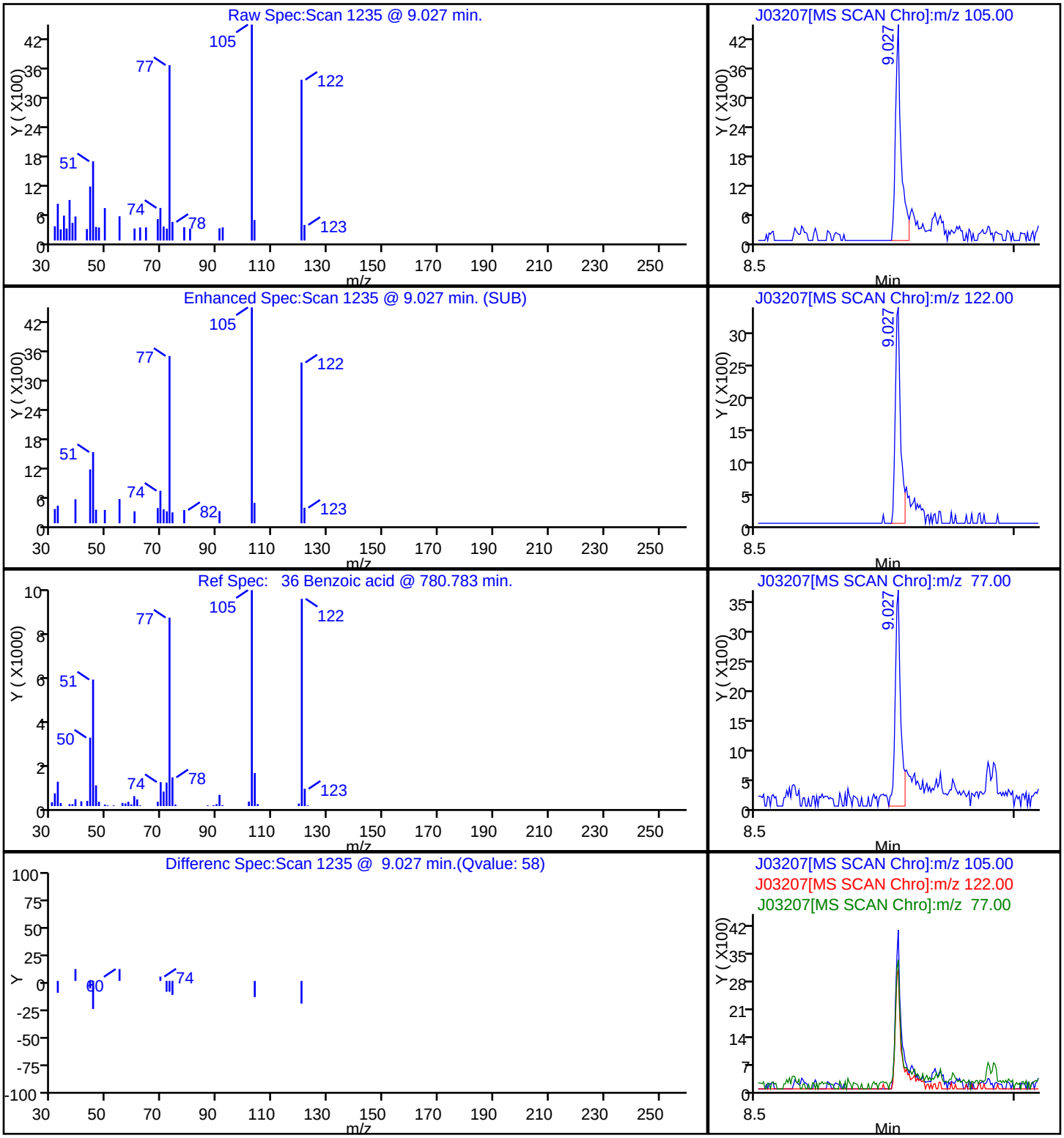
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 09:00:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

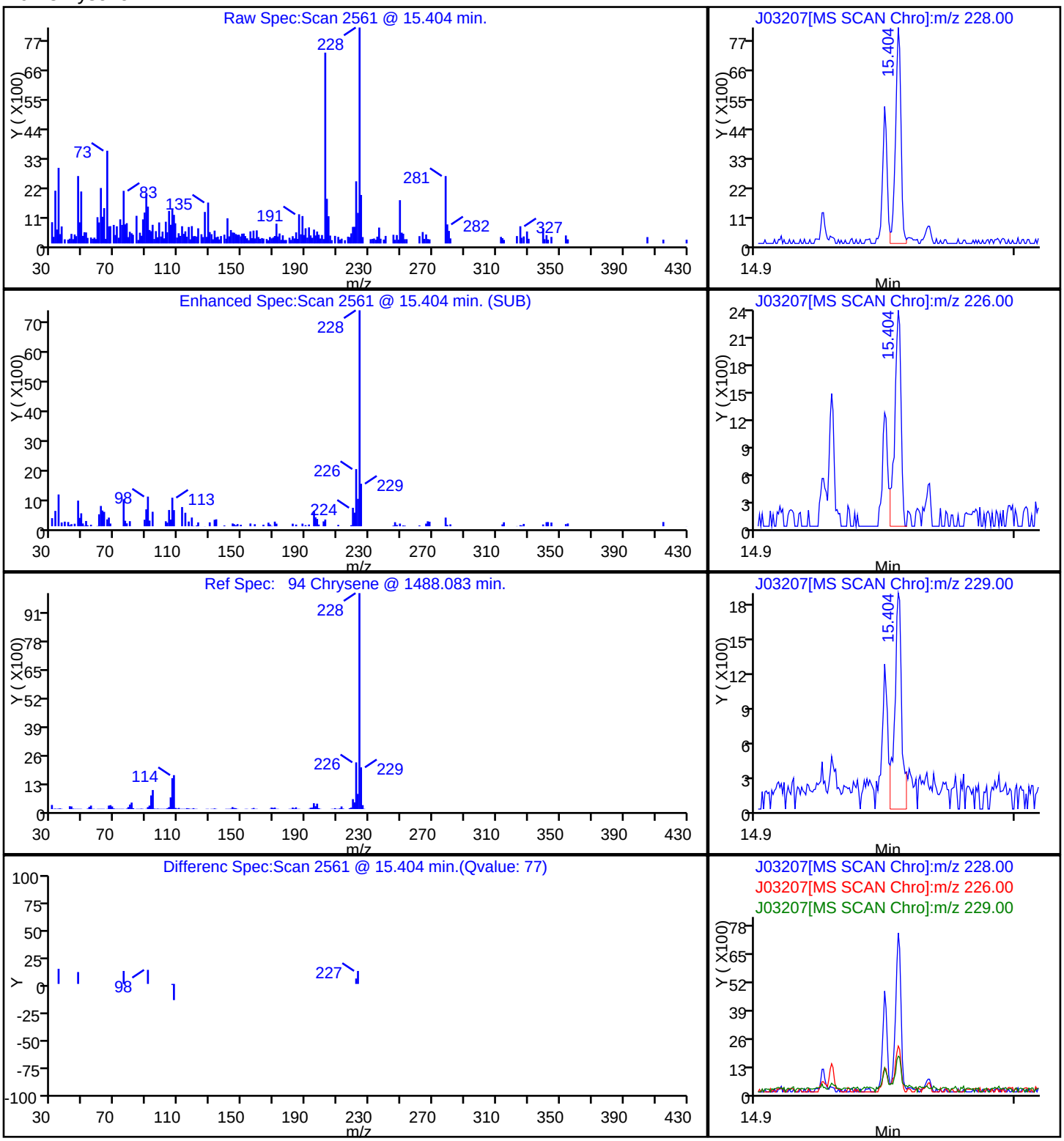
36 Benzoic acid



Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

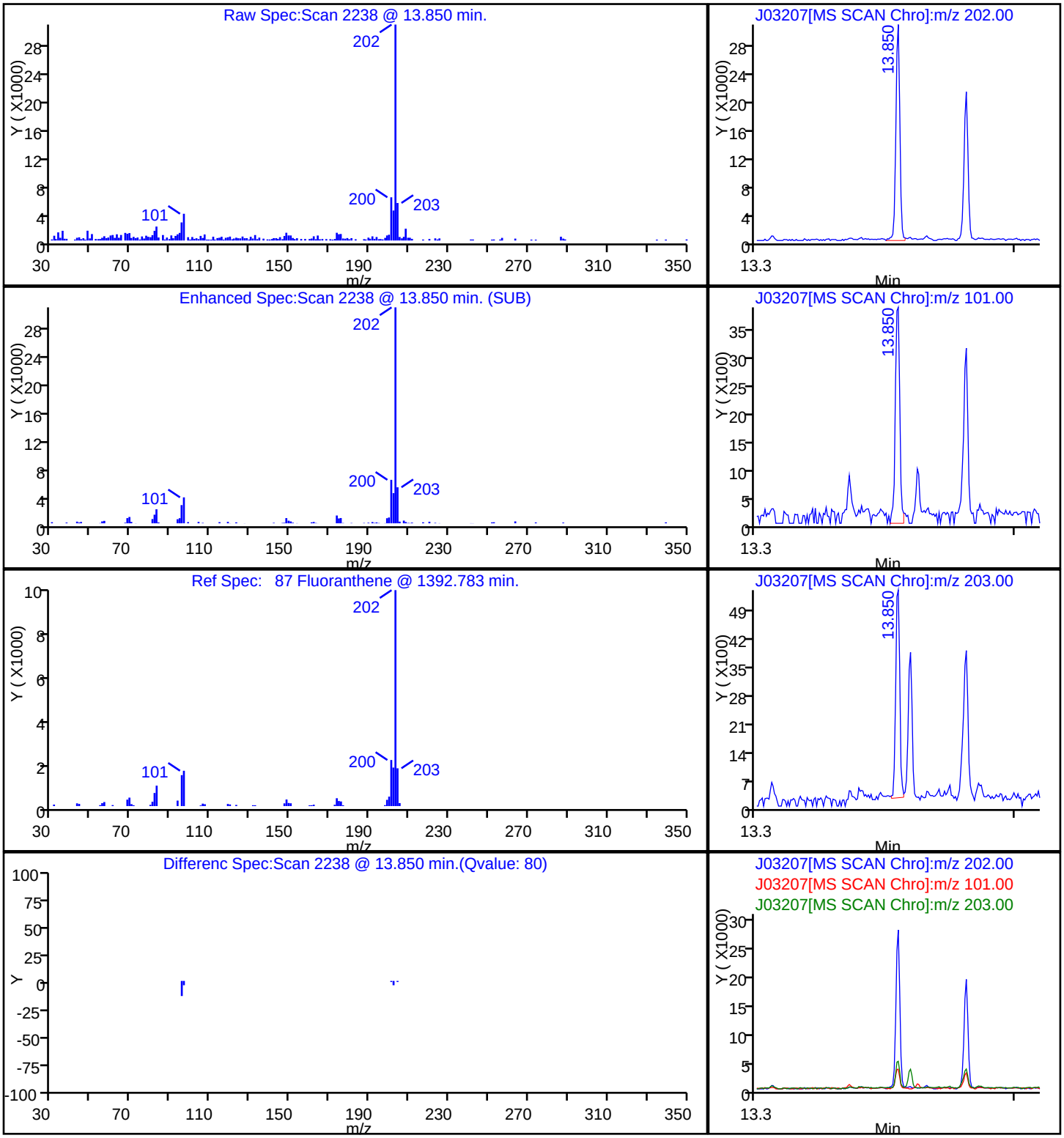
94 Chrysene



Report Date: 30-Sep-2009 09:00:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

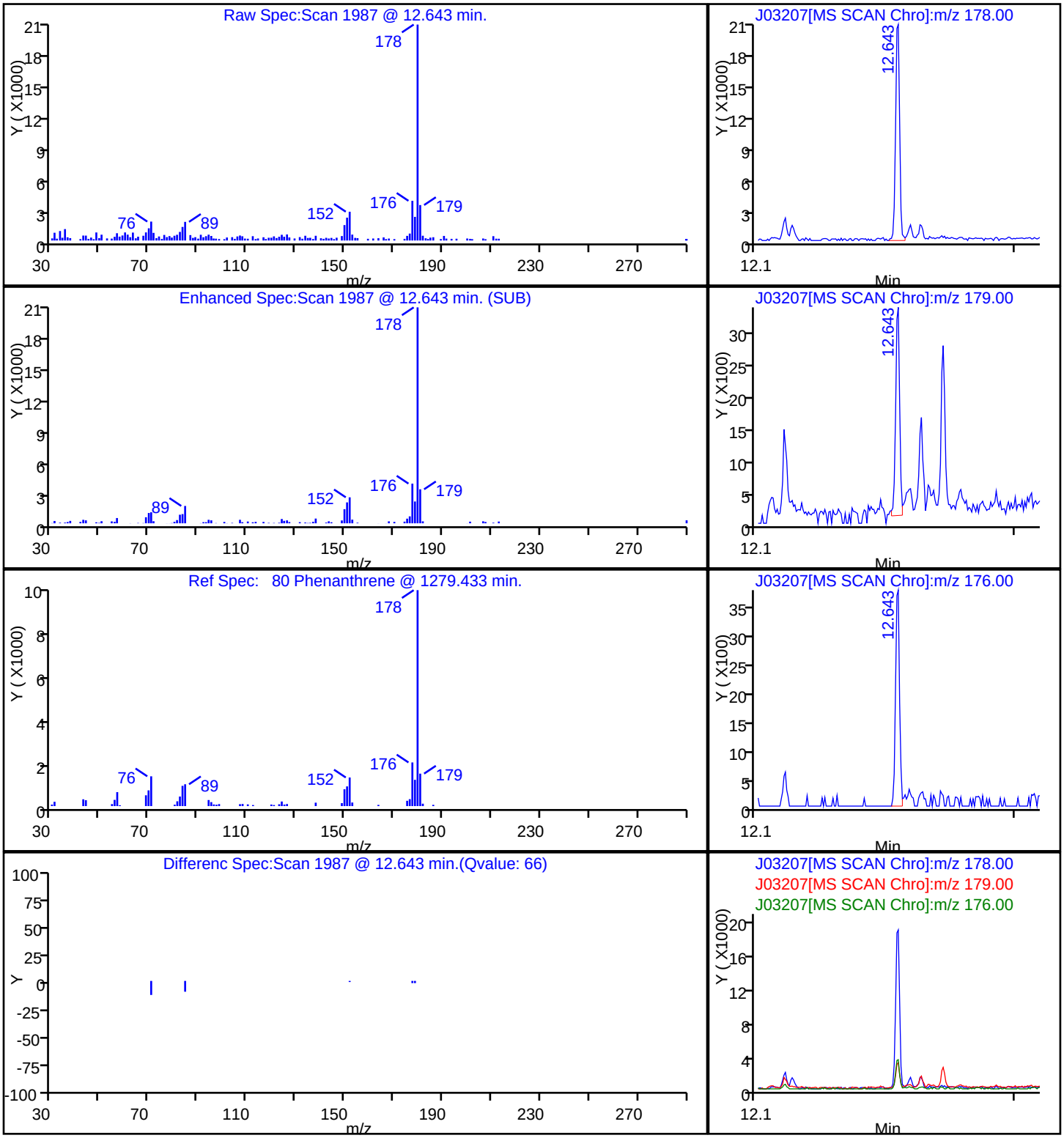
87 Fluoranthene



Report Date: 30-Sep-2009 09:00:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

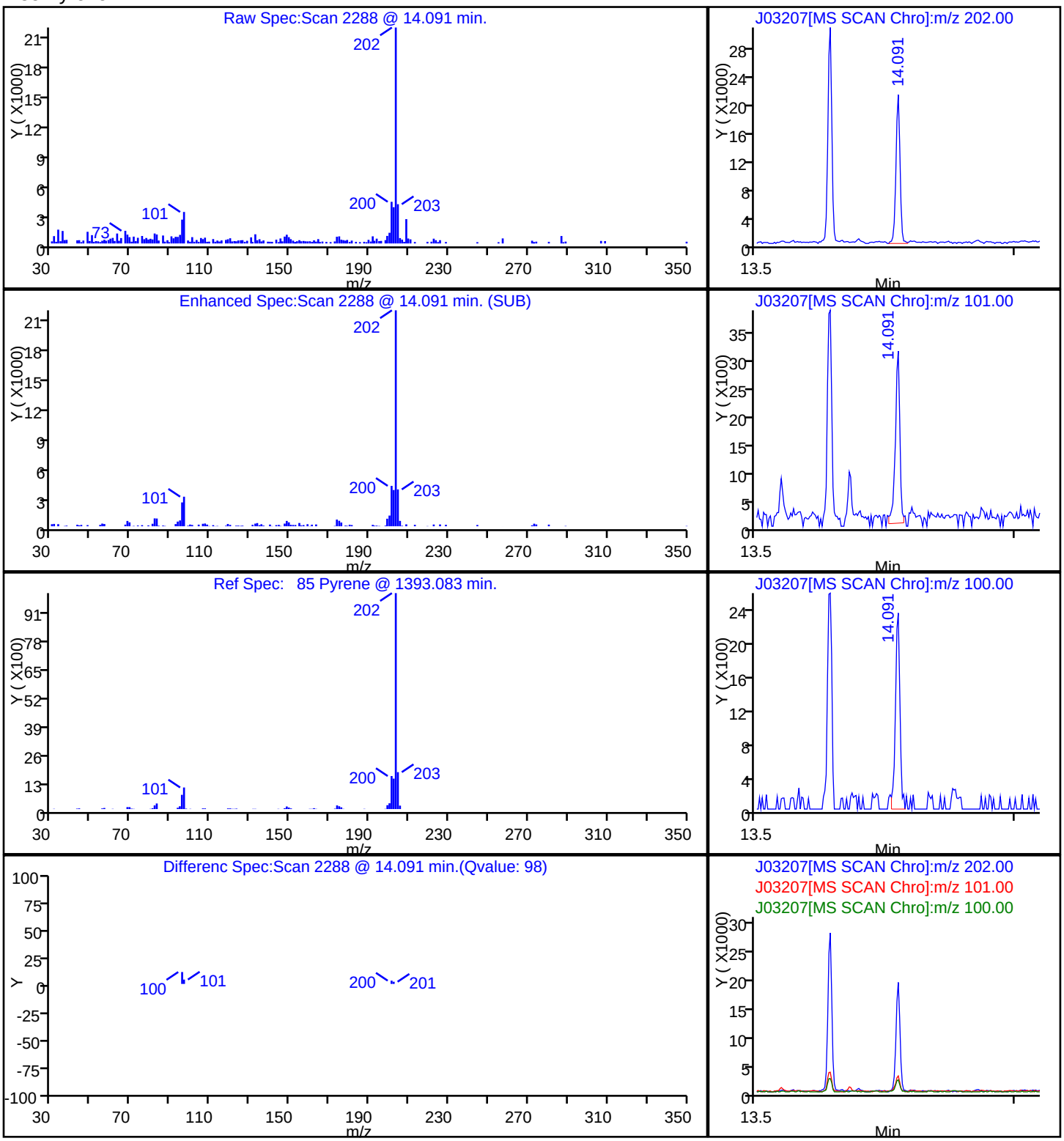
80 Phenanthrene



Report Date: 30-Sep-2009 09:00:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

$ 10 2-Fluorobiphenyl, Number: 1, m/z: 172 Type: quant, RT: 10.43

Processing Integration Results

Not Detected

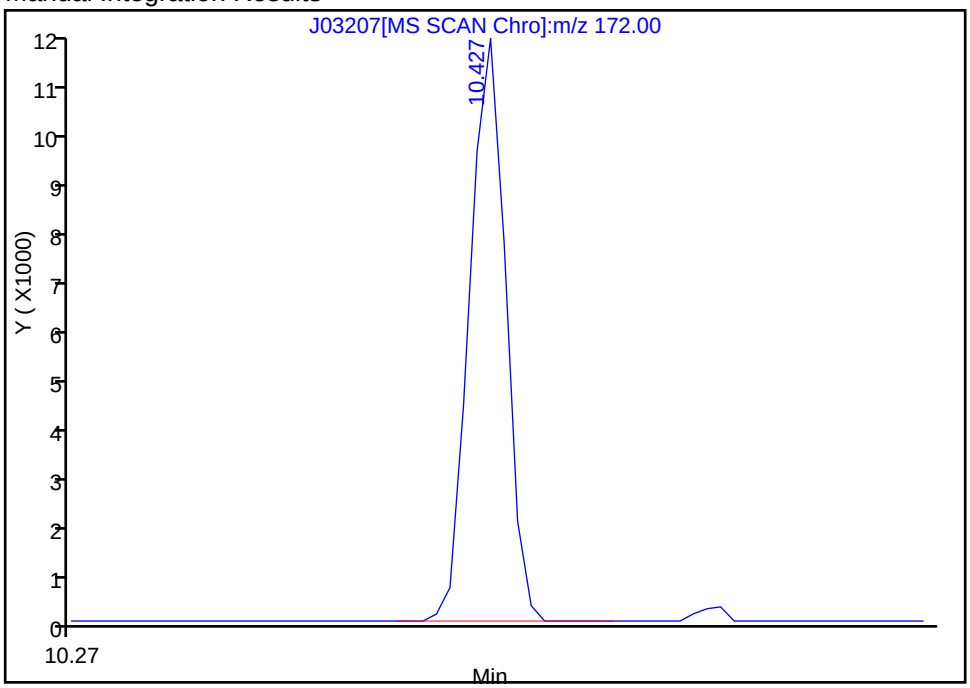
Expected RT: 10.43

Manual Integration Results

RT: 10.43

Response: 9956

Amount: 0.235785



Reviewer: sullivanp, 30-Sep-2009 09:00:10

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

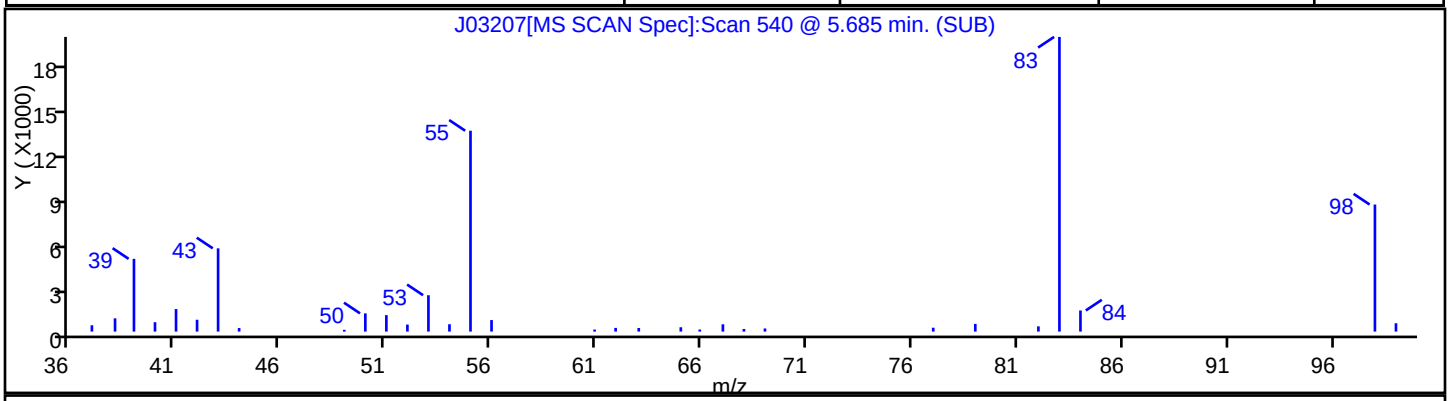
Lims Batch ID: 49648 Lims Sample ID: 26

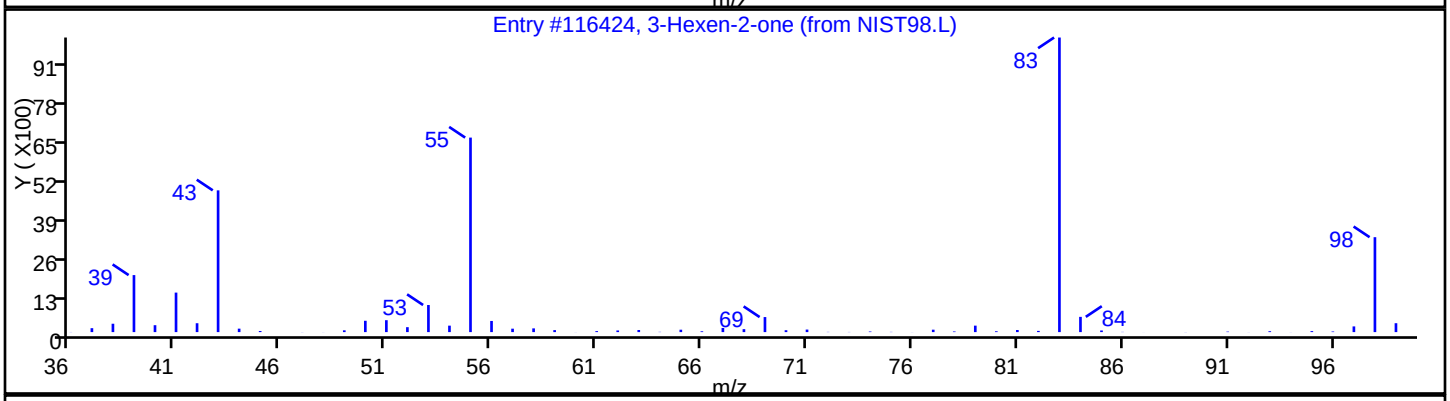
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

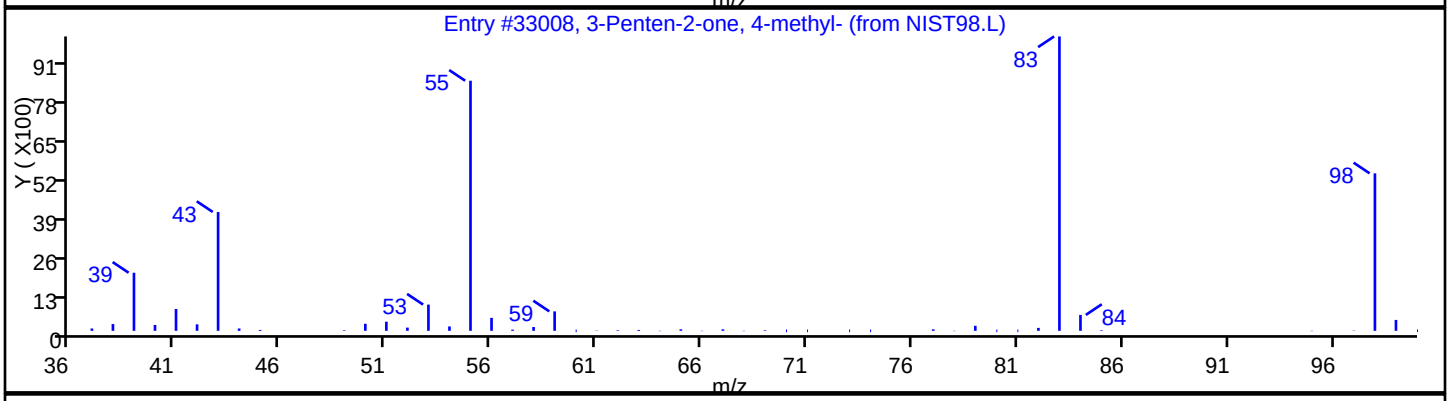
Sample Info: 360-24582-a-7-c 10X

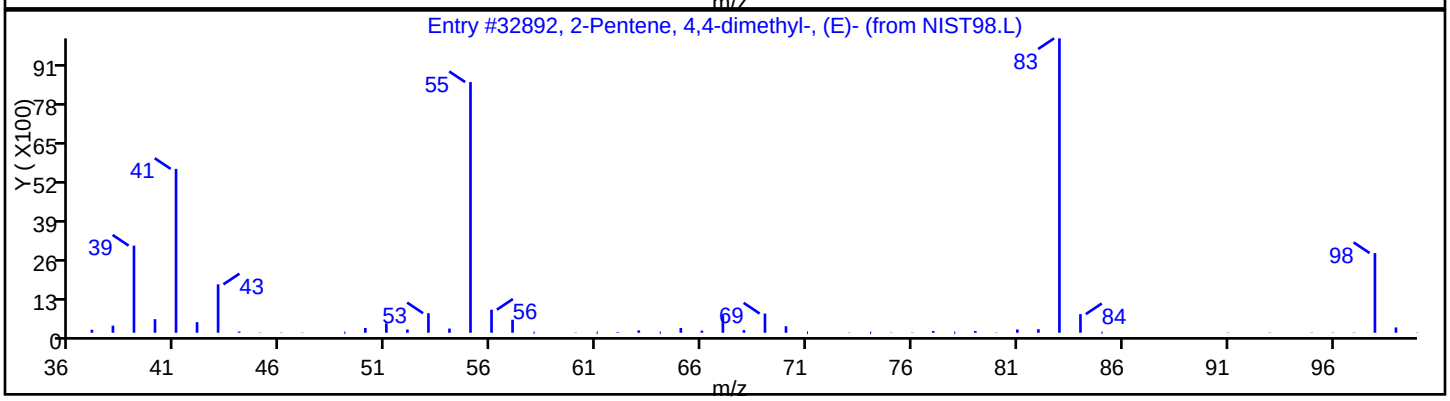
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Hexen-2-one	763-93-9	NIST98.L	116424	91
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	33008	90
2-Pentene, 4,4-dimethyl-, (E)-	690-8-4	NIST98.L	32892	80









Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

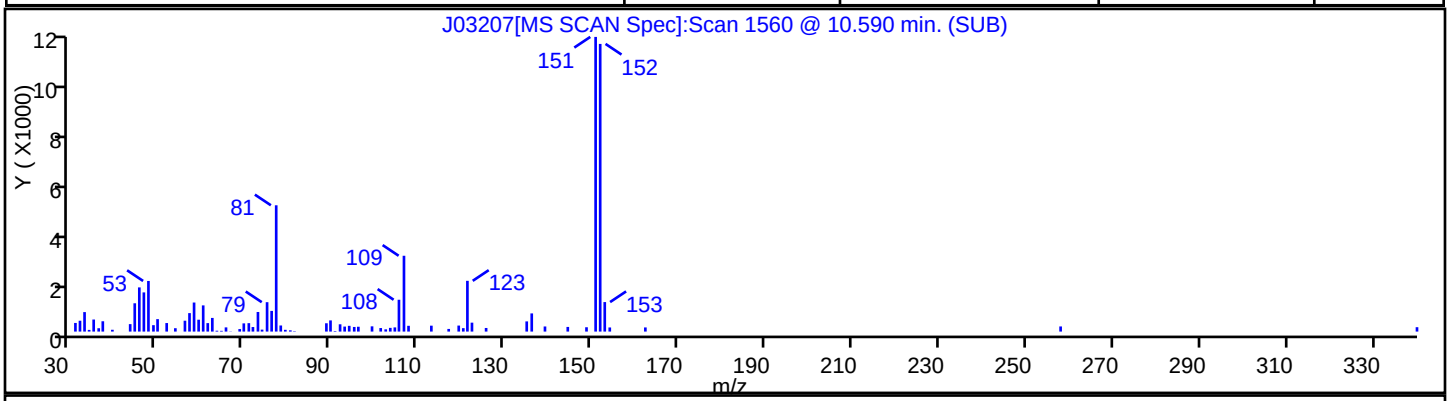
Lims Batch ID: 49648 Lims Sample ID: 26

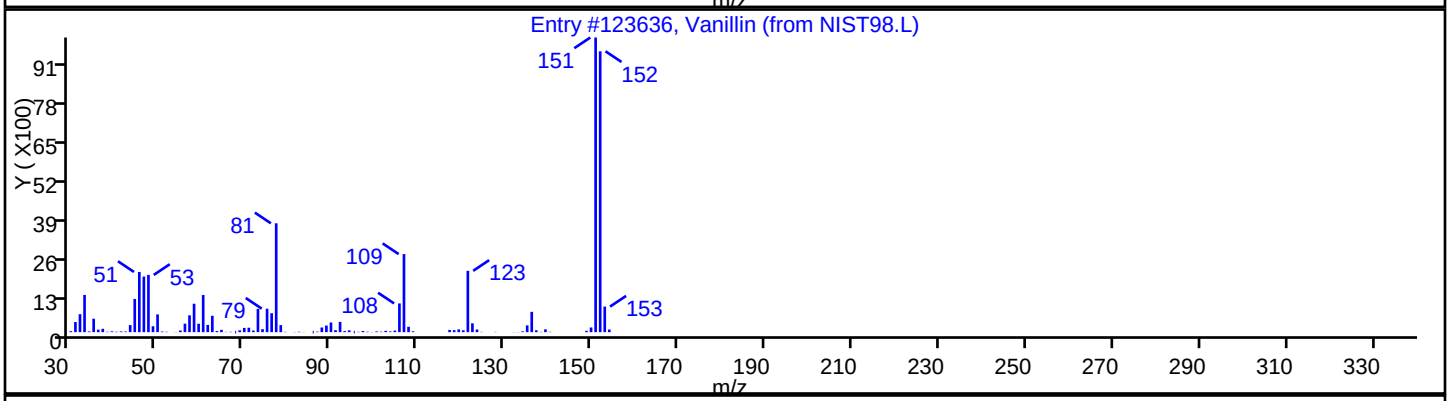
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

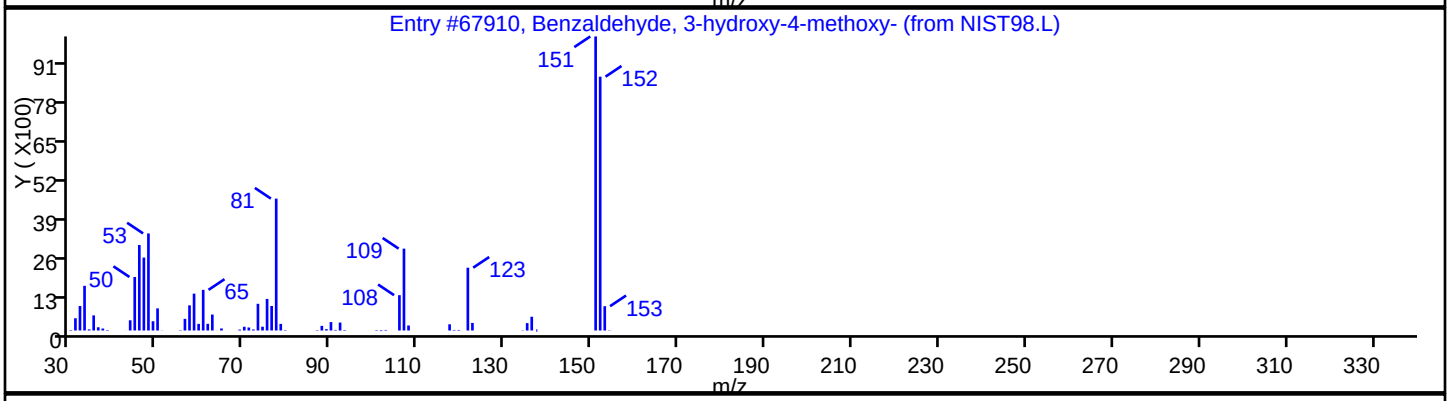
Sample Info: 360-24582-a-7-c 10X

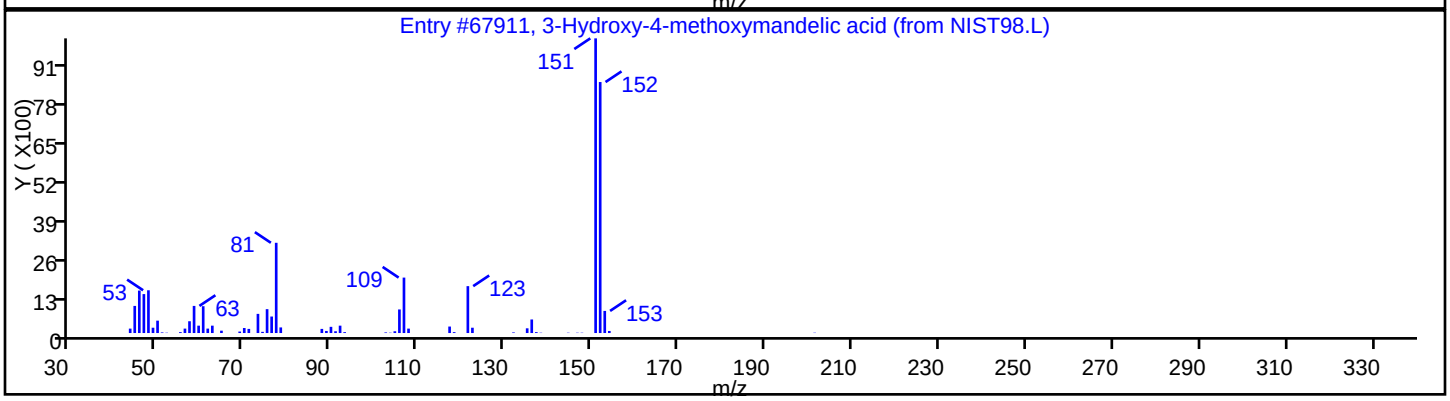
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123636	98
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	95
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	90





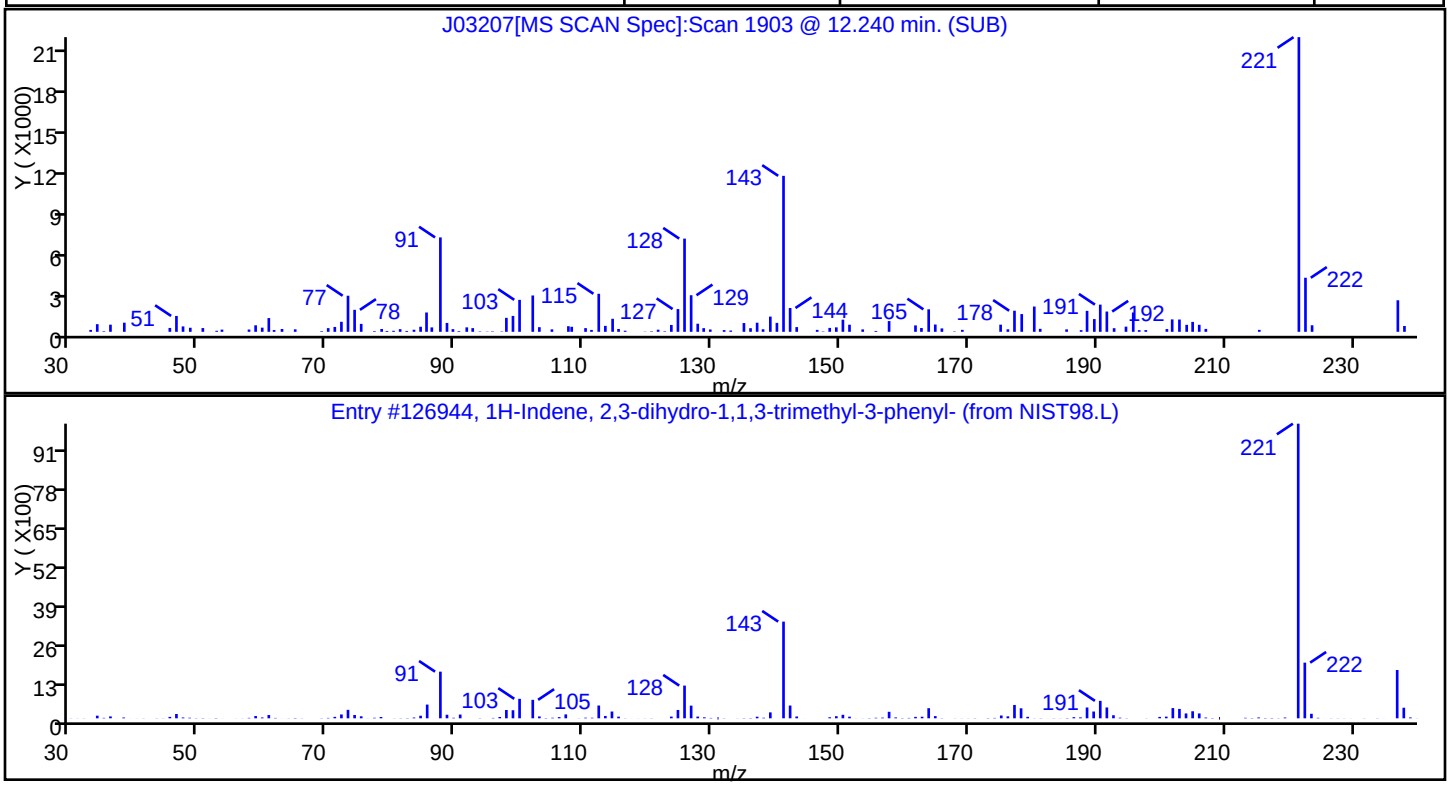




Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D		
Inj Date:	29-Sep-2009 03:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	26
Client ID:	OC-SS-402-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-7-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	97



Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

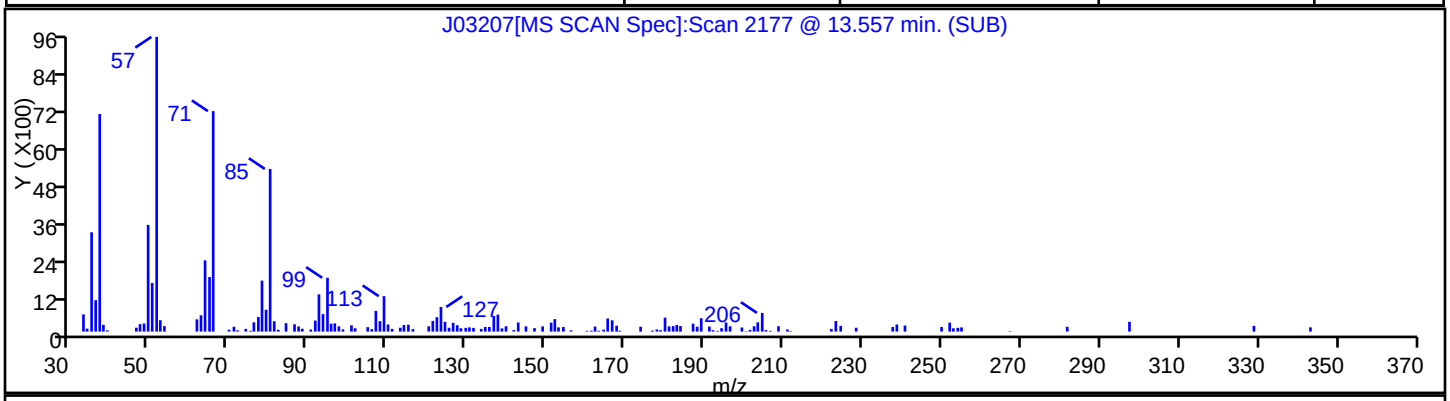
Lims Batch ID: 49648 Lims Sample ID: 26

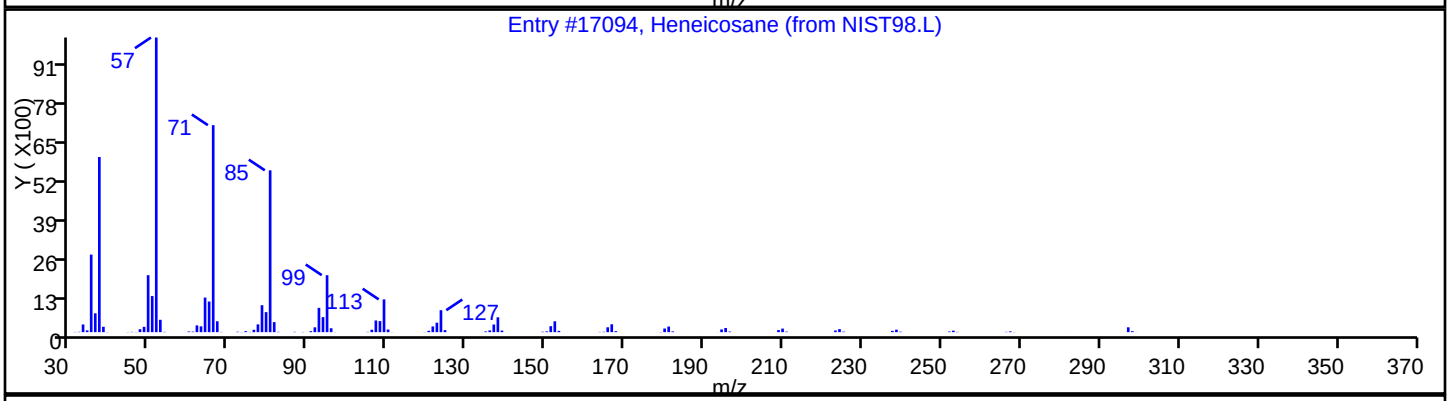
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

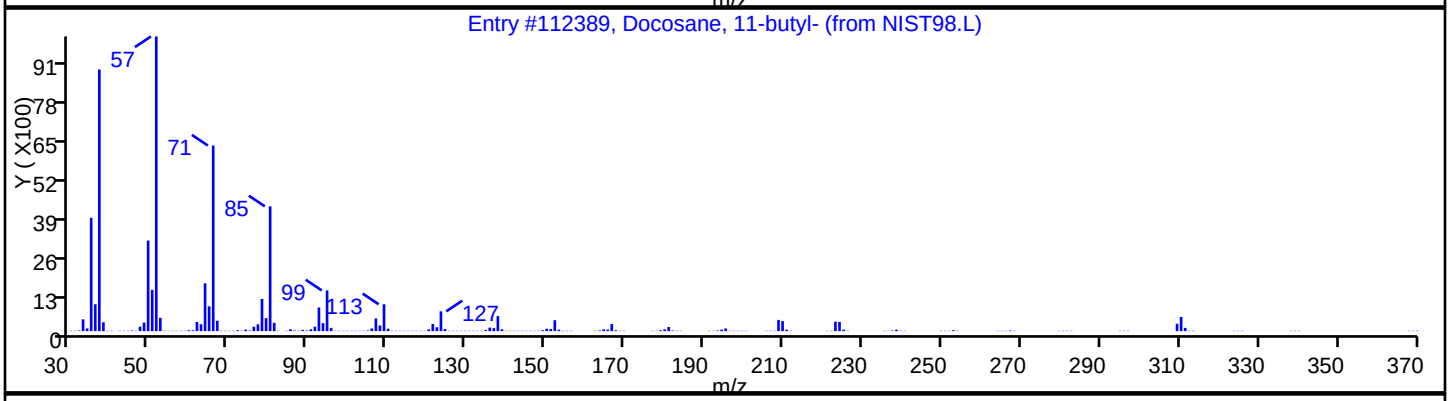
Sample Info: 360-24582-a-7-c 10X

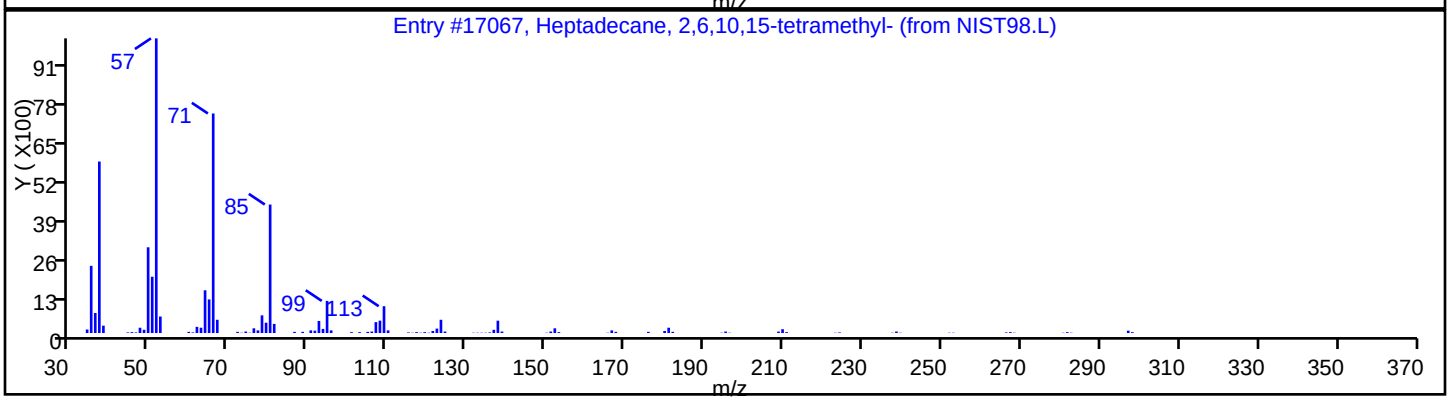
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	98
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	91
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	90









Report Date: 30-Sep-2009 09:00:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

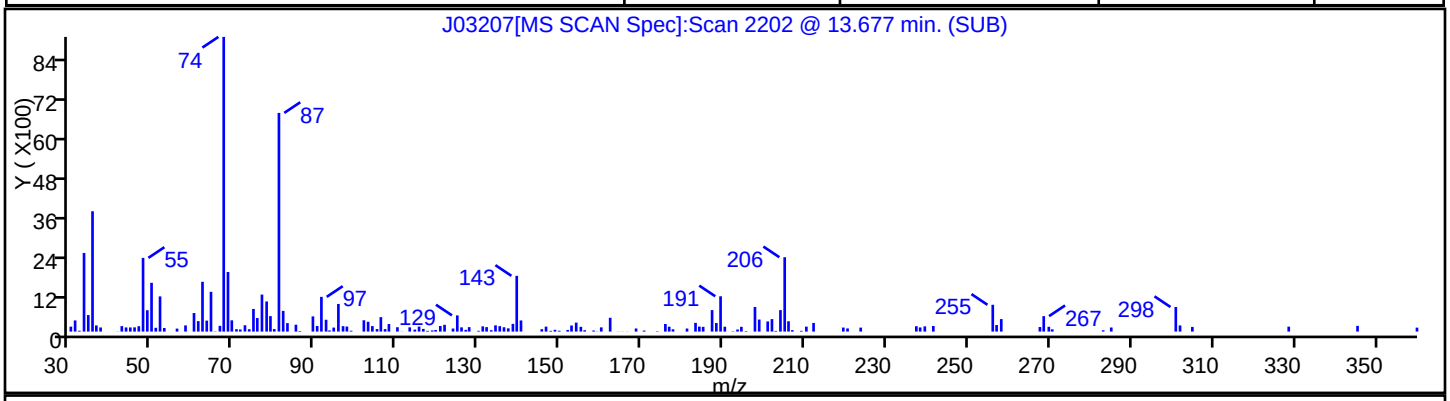
Lims Batch ID: 49648 Lims Sample ID: 26

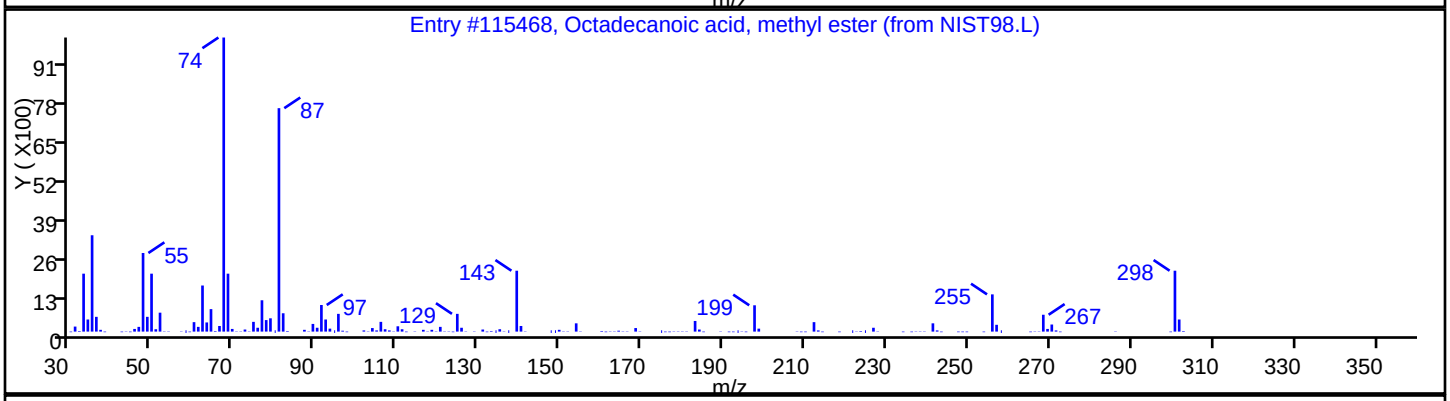
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

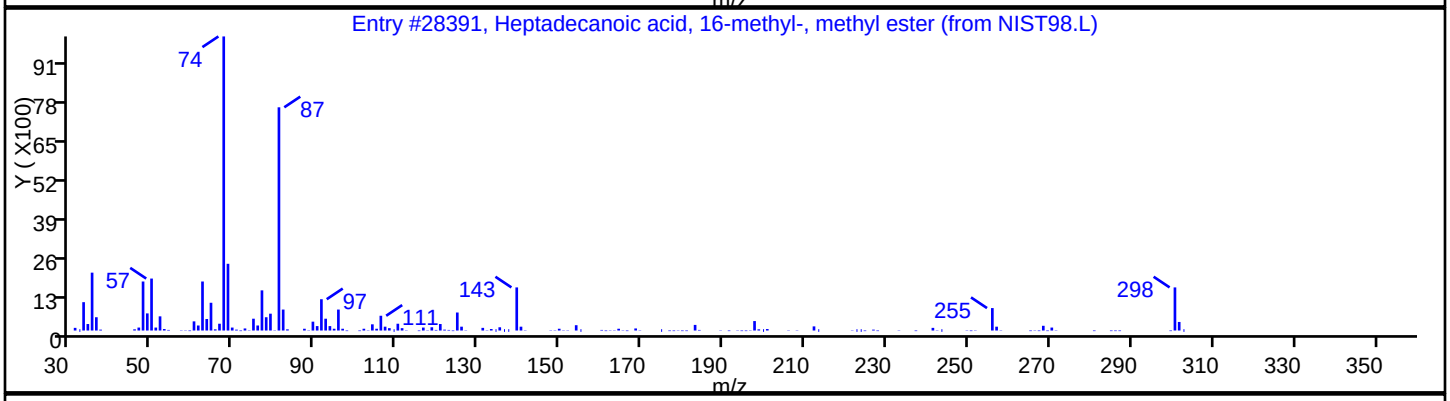
Sample Info: 360-24582-a-7-c 10X

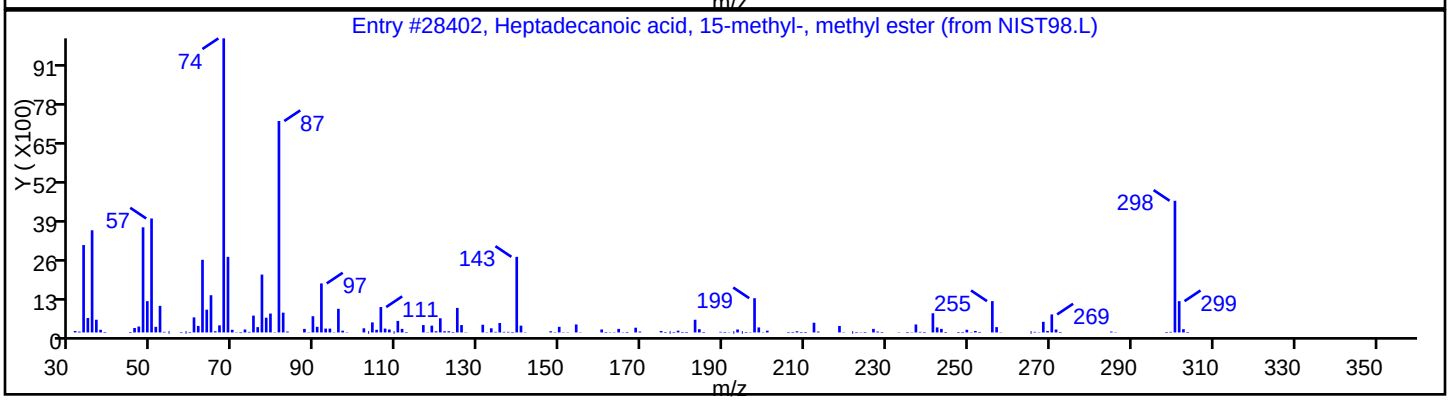
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115468	97
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	28391	97
Heptadecanoic acid, 15-methyl-, methyl e	54833-55-5	NIST98.L	28402	90









Report Date: 30-Sep-2009 09:00:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

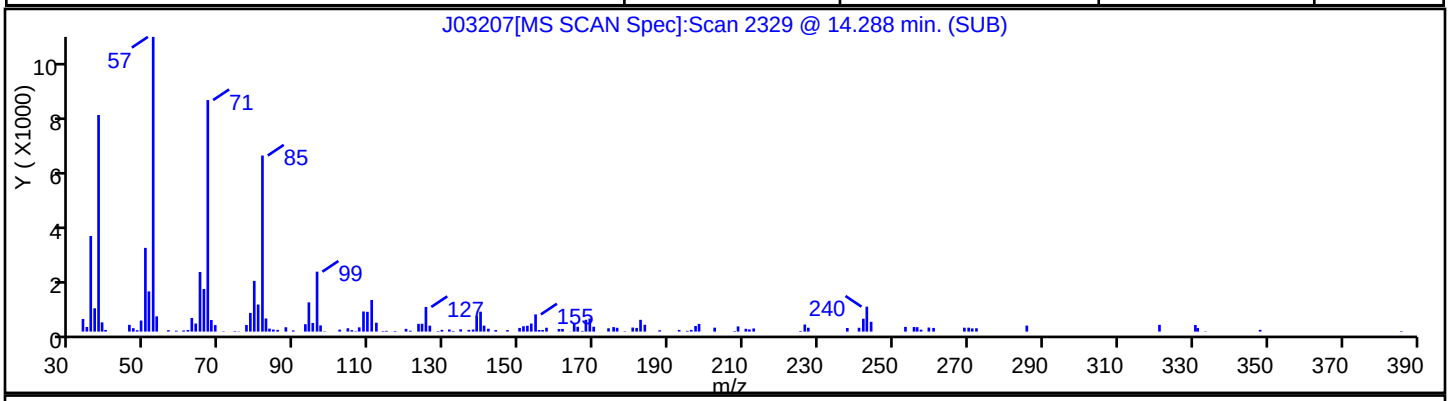
Lims Batch ID: 49648 Lims Sample ID: 26

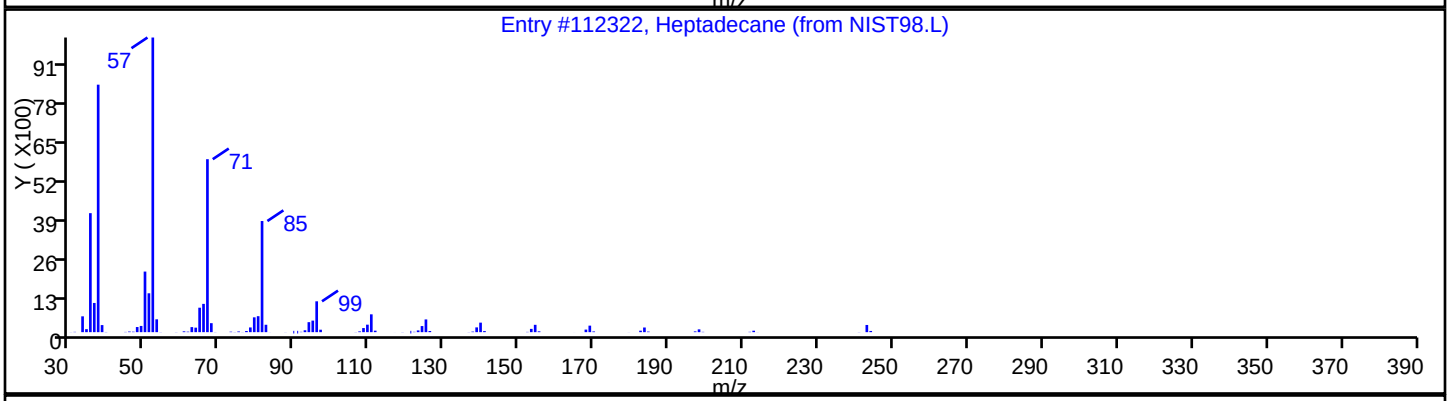
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

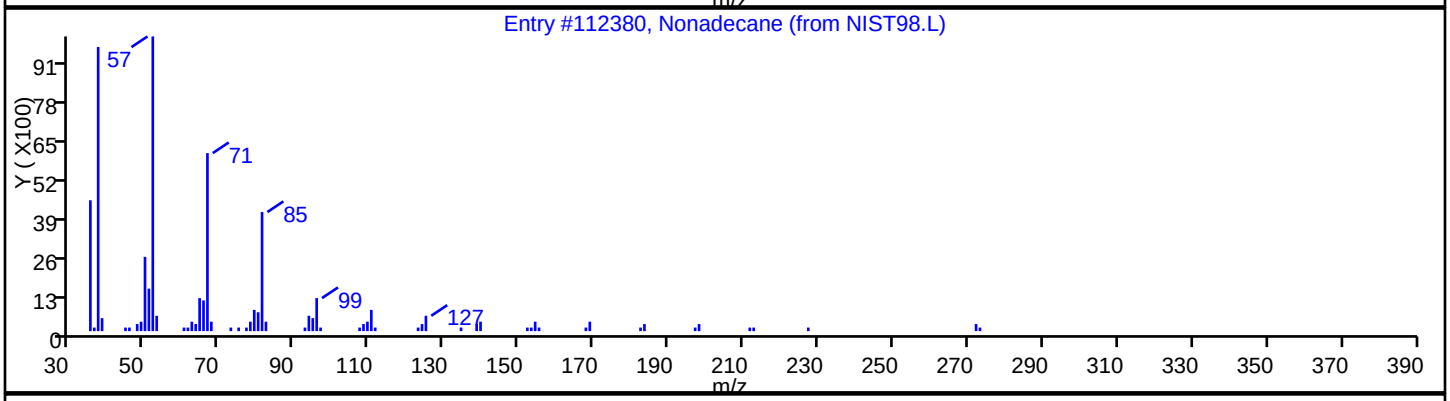
Sample Info: 360-24582-a-7-c 10X

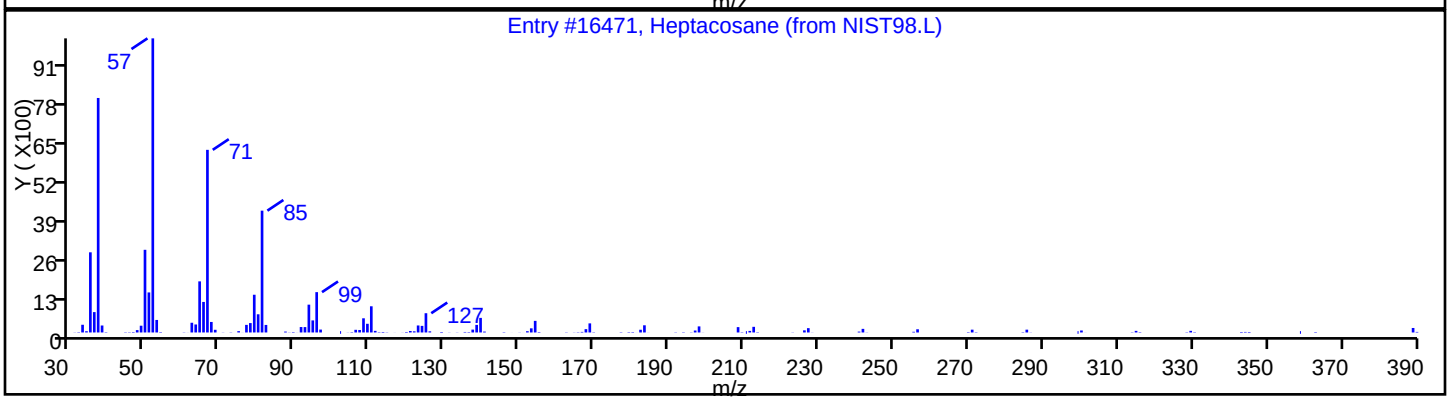
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112322	94
Nonadecane	629-92-5	NIST98.L	112380	94
Heptacosane	593-49-7	NIST98.L	16471	91









Report Date: 30-Sep-2009 09:00:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

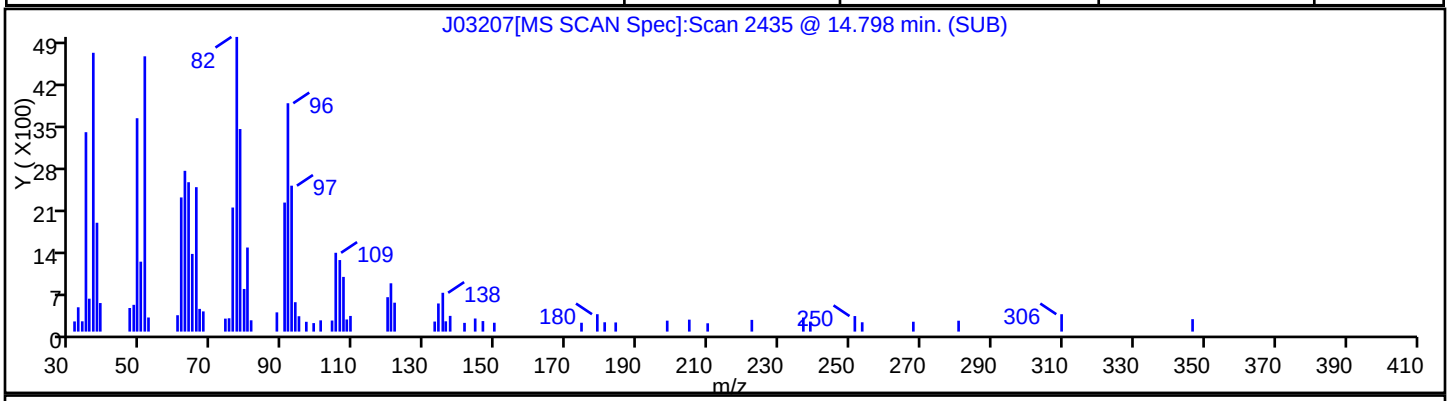
Lims Batch ID: 49648 Lims Sample ID: 26

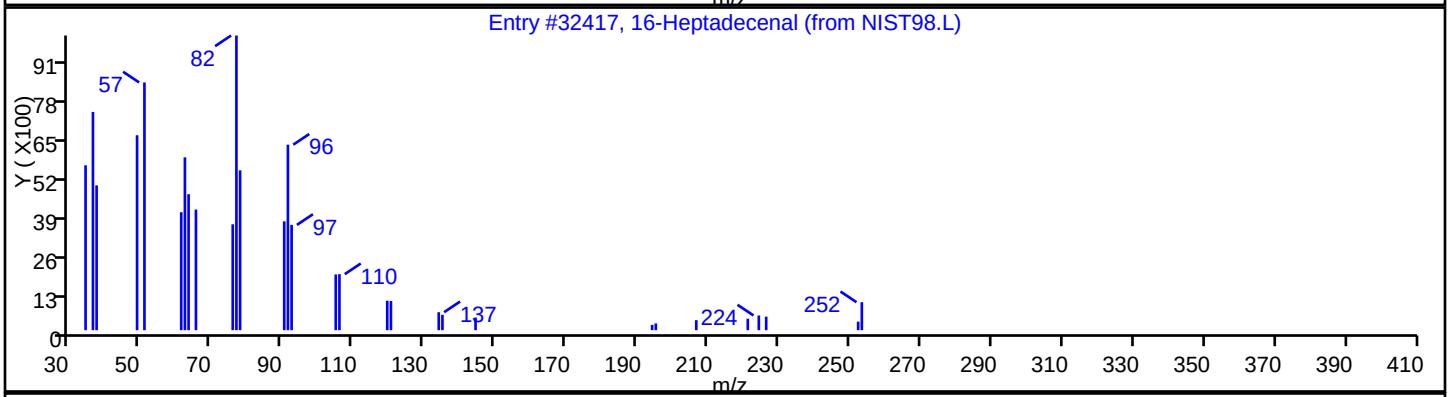
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

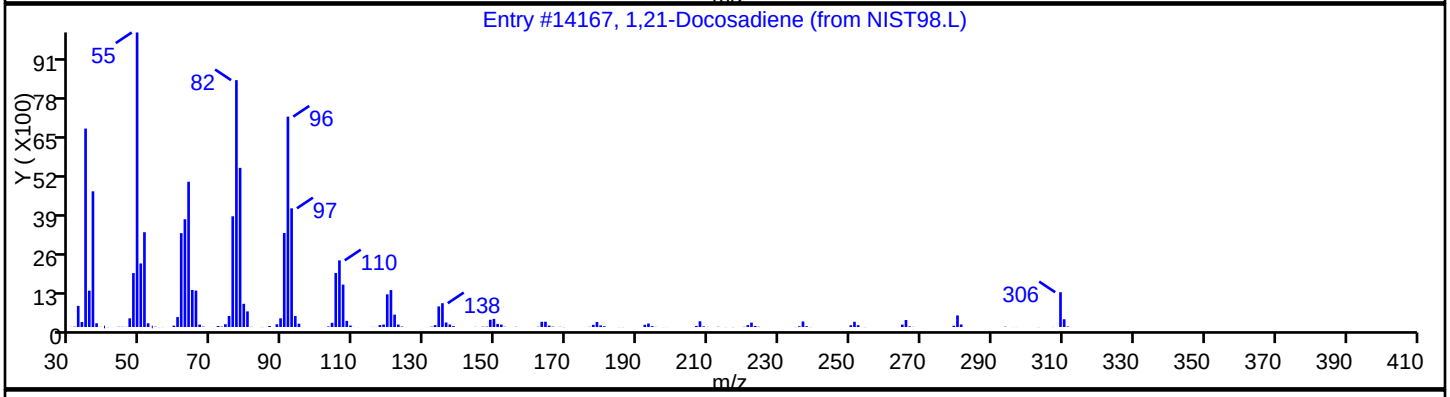
Sample Info: 360-24582-a-7-c 10X

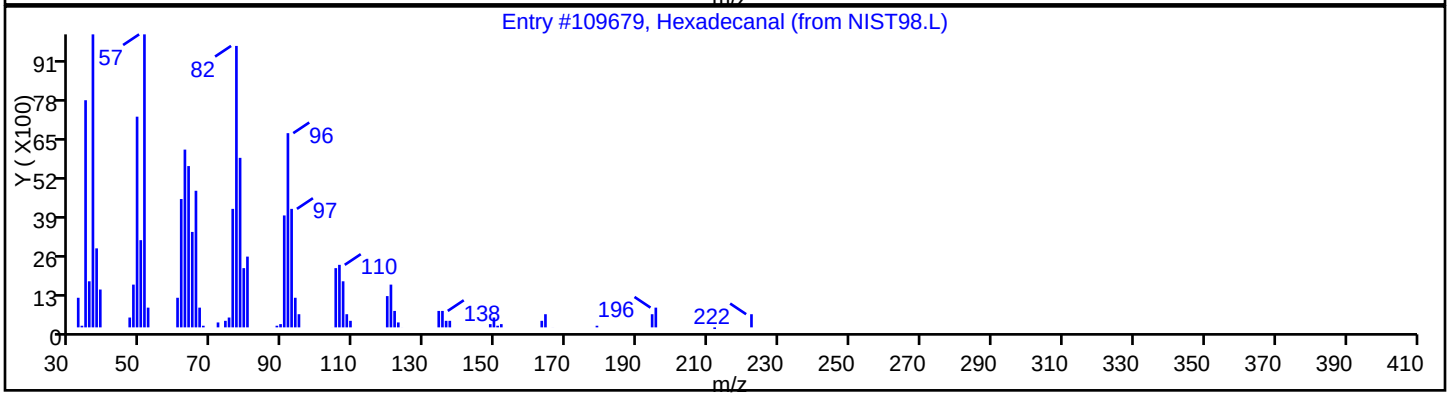
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
16-Heptadecenal	1000144-57-9	NIST98.L	32417	96
1,21-Docosadiene	53057-53-7	NIST98.L	14167	95
Hexadecanal	629-80-1	NIST98.L	109679	94









Report Date: 30-Sep-2009 09:00:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

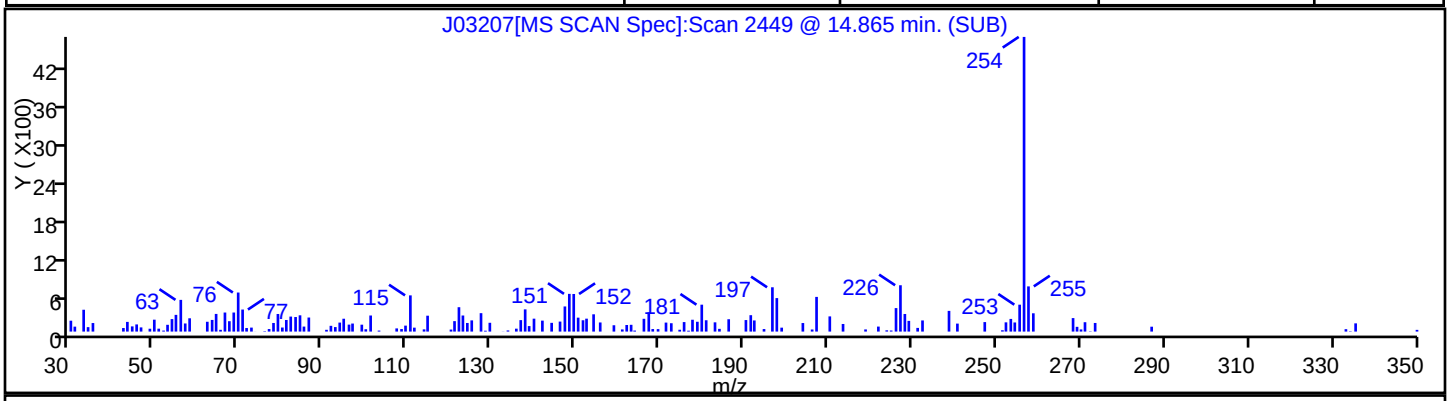
Lims Batch ID: 49648 Lims Sample ID: 26

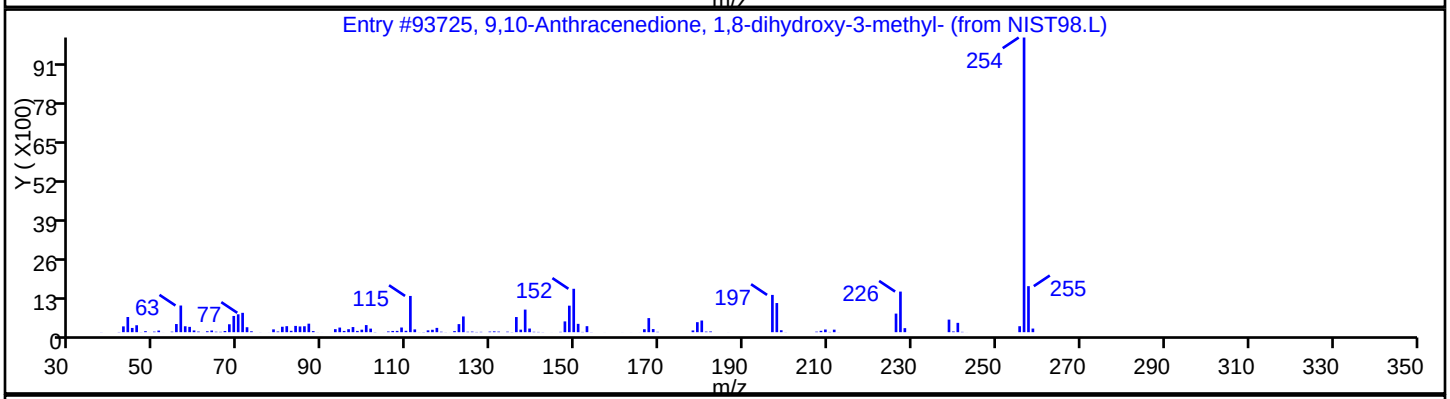
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

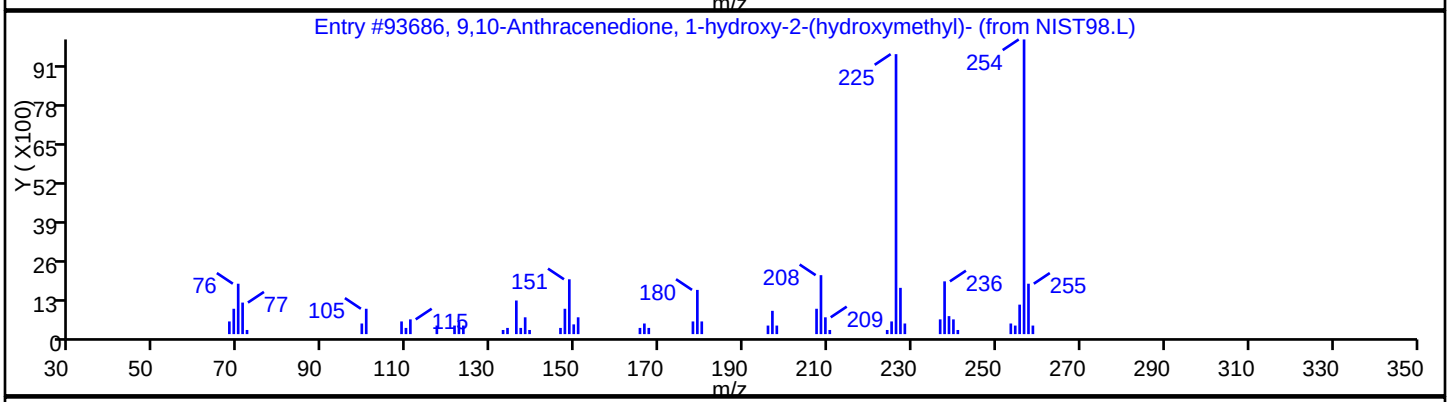
Sample Info: 360-24582-a-7-c 10X

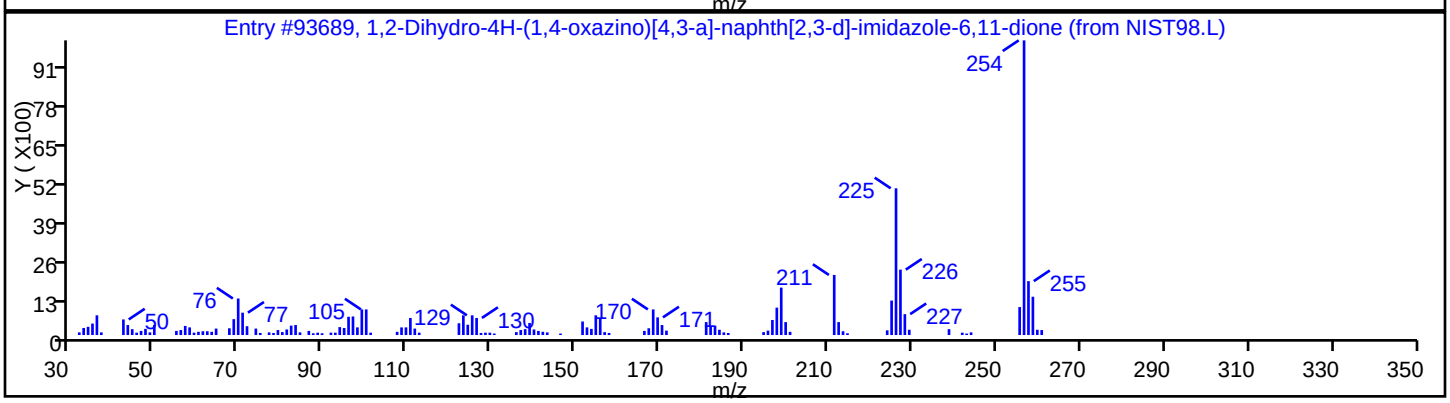
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
9,10-Anthracenedione, 1,8-dihydroxy-3-me	481-74-3	NIST98.L	93725	93
9,10-Anthracenedione, 1-hydroxy-2-(hydro	24094-45-9	NIST98.L	93686	81
1,2-Dihydro-4H-(1,4-oxazino)[4,3-a]-naph	1000140-49-3	NIST98.L	93689	64









Report Date: 30-Sep-2009 09:00:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

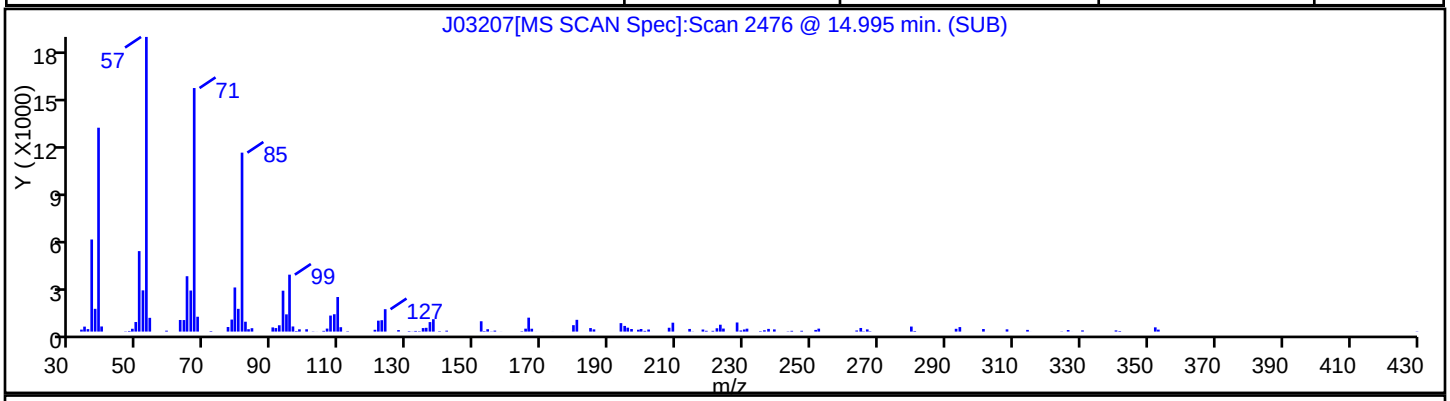
Lims Batch ID: 49648 Lims Sample ID: 26

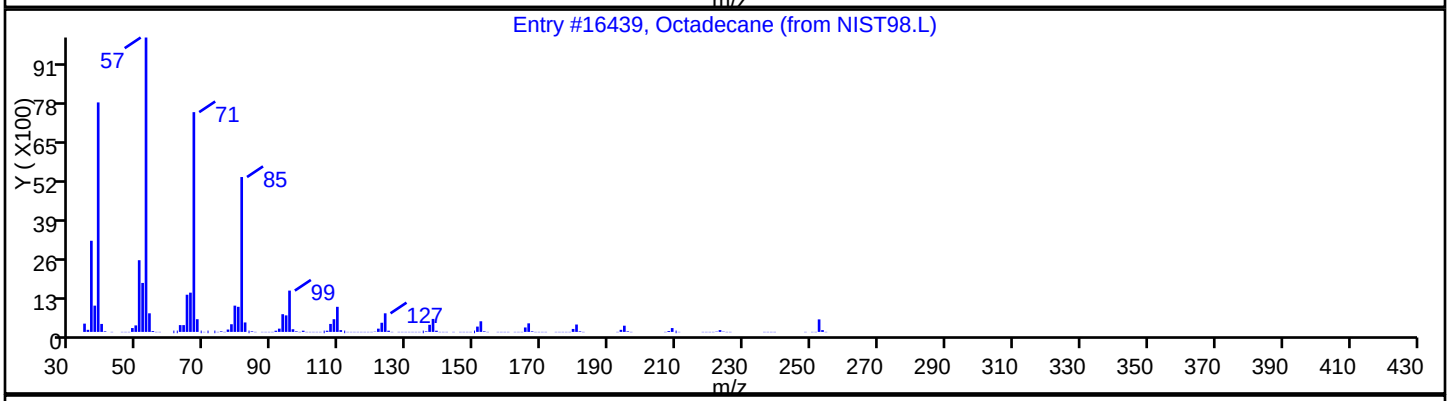
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

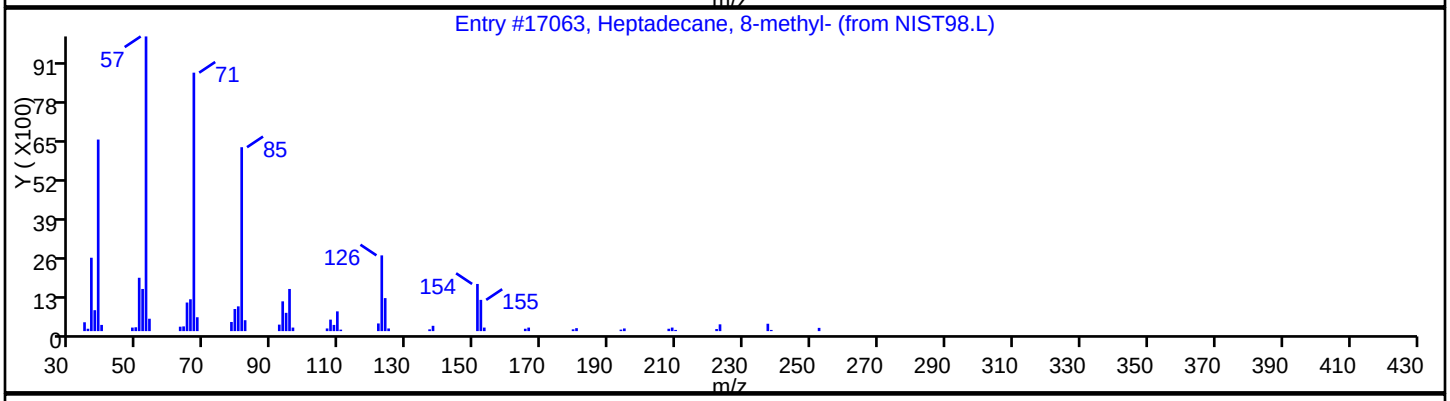
Sample Info: 360-24582-a-7-c 10X

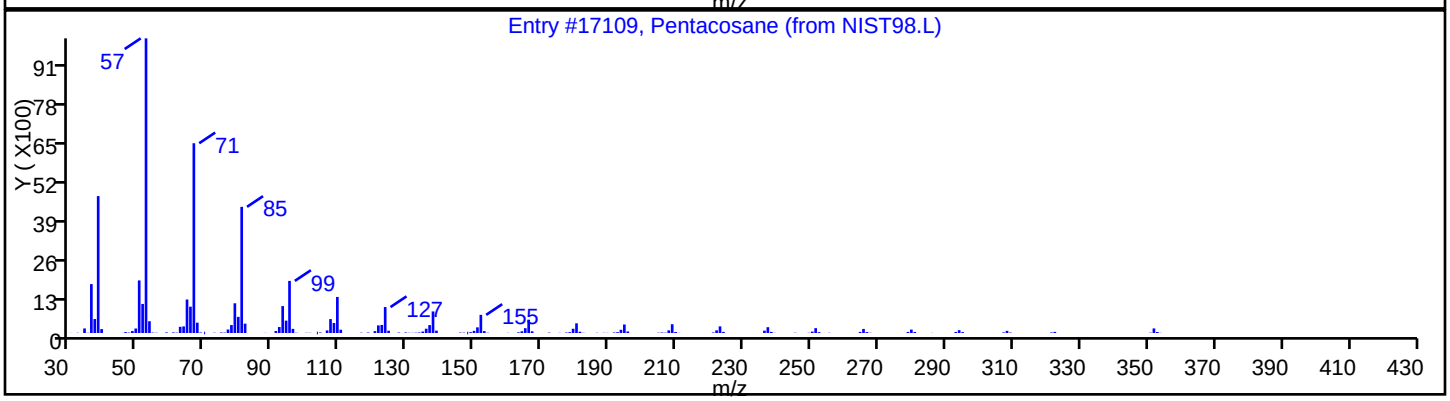
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	96
Heptadecane, 8-methyl-	13287-23-5	NIST98.L	17063	94
Pentacosane	629-99-2	NIST98.L	17109	94









Report Date: 30-Sep-2009 09:00:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03207.D

Inj Date: 29-Sep-2009 03:16:30 Limit Group: SMS - 8270LL SVOA Calibration

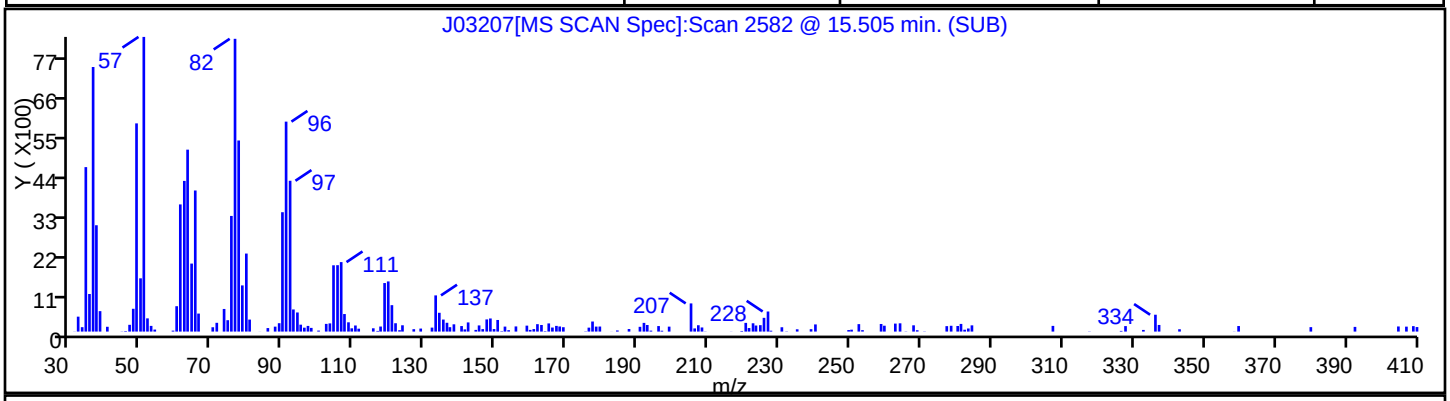
Lims Batch ID: 49648 Lims Sample ID: 26

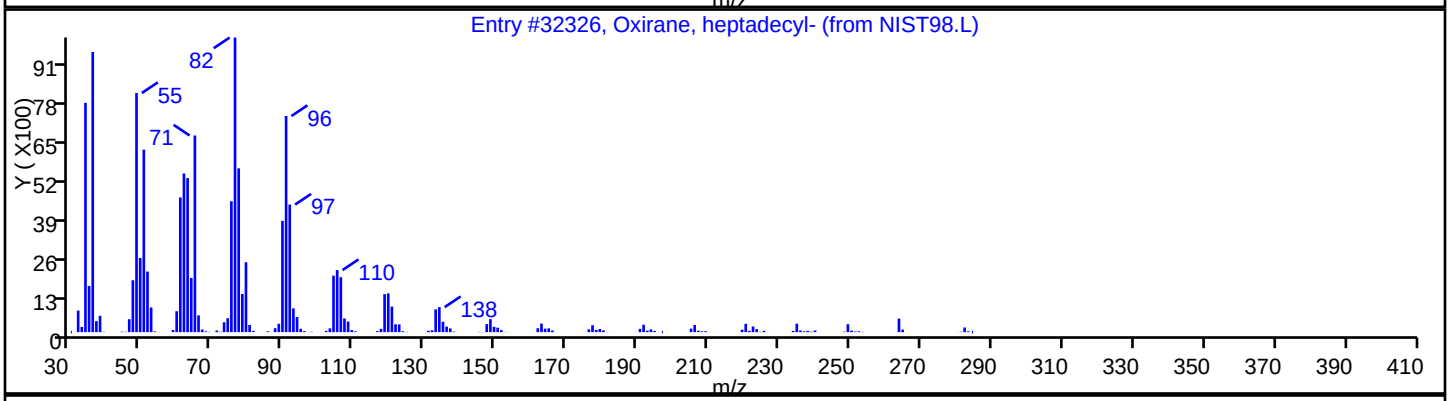
Client ID: OC-SS-402-0.0/1.0-XXX Instrument: Inst. J

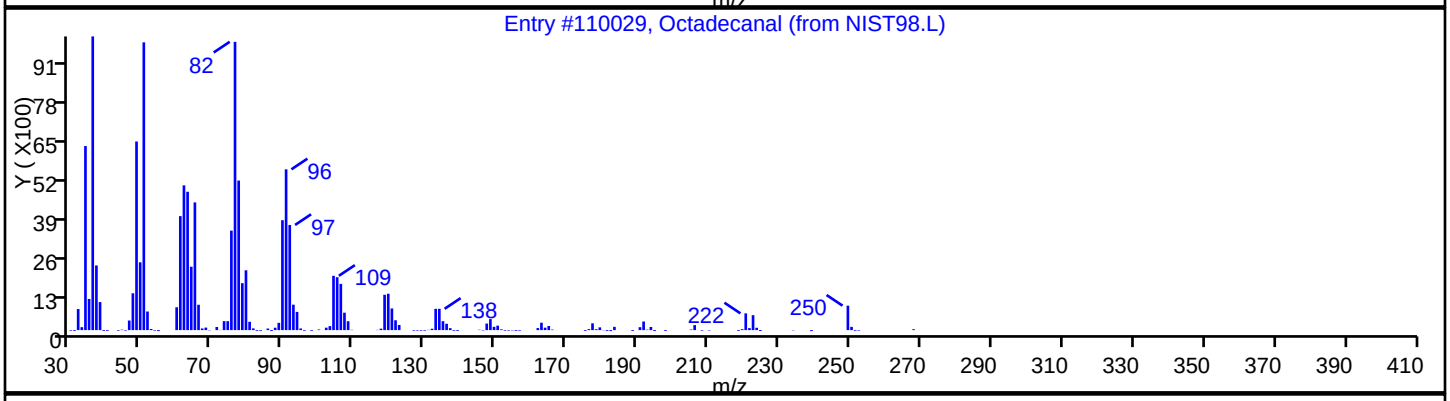
Sample Info: 360-24582-a-7-c 10X

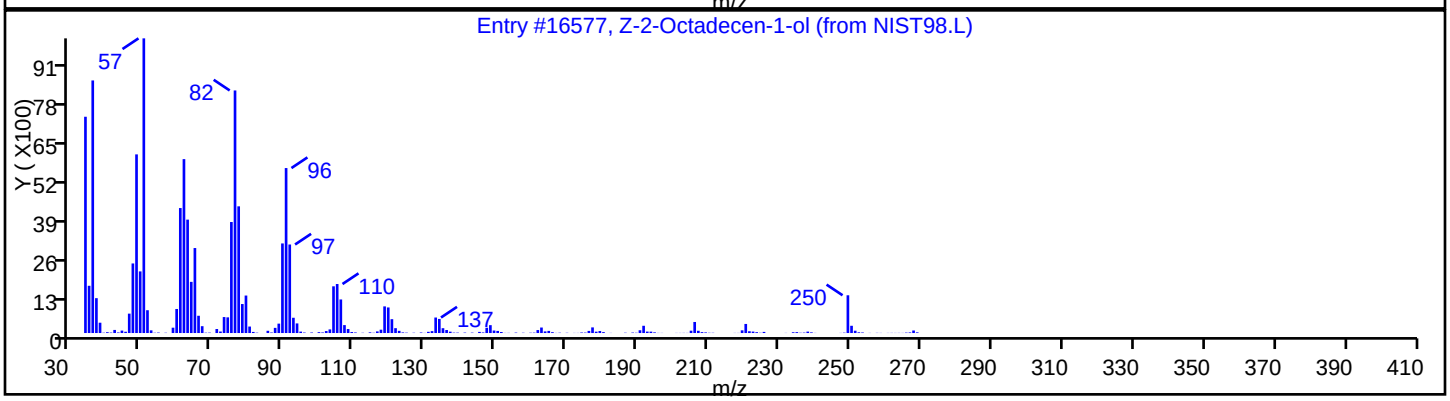
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	96
Octadecanal	638-66-4	NIST98.L	110029	96
Z-2-Octadecen-1-ol	1000131-11-0	NIST98.L	16577	94









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: J03208.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:10

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.68(g) | Date Analyzed: 09/29/2009 03:49

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		350	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		350	110
120-82-1	1,2,4-Trichlorobenzene	ND		350	110
95-50-1	1,2-Dichlorobenzene	ND		350	110
541-73-1	1,3-Dichlorobenzene	ND		350	110
106-46-7	1,4-Dichlorobenzene	ND		350	110
90-12-0	1-Methylnaphthalene	ND		350	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		350	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		350	110
95-95-4	2,4,5-Trichlorophenol	ND		350	110
88-06-2	2,4,6-Trichlorophenol	ND		350	110
120-83-2	2,4-Dichlorophenol	ND	*	350	110
105-67-9	2,4-Dimethylphenol	ND		350	140
51-28-5	2,4-Dinitrophenol	ND		350	110
121-14-2	2,4-Dinitrotoluene	ND		350	110
606-20-2	2,6-Dinitrotoluene	ND		350	110
91-58-7	2-Chloronaphthalene	ND		350	110
95-57-8	2-Chlorophenol	ND		350	110
91-57-6	2-Methylnaphthalene	ND		350	110
95-48-7	2-Methylphenol	ND		350	210
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		350	110
15831-10-4	3 & 4 Methylphenol	ND		350	110
91-94-1	3,3'-Dichlorobenzidine	ND		710	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		350	110
59-50-7	4-Chloro-3-methylphenol	ND		710	110
106-47-8	4-Chloroaniline	ND		710	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		350	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	220	J	350	110
208-96-8	Acenaphthylene	ND		350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: J03208.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:10

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.68(g) | Date Analyzed: 09/29/2009 03:49

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		350	110
62-53-3	Aniline	ND	*	350	110
120-12-7	Anthracene	280	J	350	110
1912-24-9	Atrazine	ND		350	110
103-33-3	Azobenzene	ND		350	110
100-52-7	Benzaldehyde	ND		350	110
56-55-3	Benzo[a]anthracene	1000		350	110
50-32-8	Benzo[a]pyrene	960		350	110
205-99-2	Benzo[b]fluoranthene	740		350	110
191-24-2	Benzo[g,h,i]perylene	670		350	110
207-08-9	Benzo[k]fluoranthene	1000		350	110
65-85-0	Benzoic acid	ND		1800	160
119-61-9	Benzophenone	ND		350	110
100-51-6	Benzyl alcohol	ND		710	300
111-91-1	Bis(2-chloroethoxy)methane	ND		350	110
111-44-4	Bis(2-chloroethyl)ether	ND		350	110
117-81-7	Bis(2-ethylhexyl) phthalate	2400	B	350	110
85-68-7	Butyl benzyl phthalate	130	J	350	110
105-60-2	Caprolactam	ND		350	110
86-74-8	Carbazole	320	J	350	110
218-01-9	Chrysene	1100		350	110
53-70-3	Dibenz(a,h)anthracene	390		350	110
132-64-9	Dibenzofuran	140	J	350	110
84-66-2	Diethyl phthalate	ND		350	110
131-11-3	Dimethyl phthalate	ND		350	110
84-74-2	Di-n-butyl phthalate	ND		350	310
117-84-0	Di-n-octyl phthalate	ND		350	180
101-84-8	Diphenyl oxide	ND		350	110
206-44-0	Fluoranthene	2700		350	110
86-73-7	Fluorene	190	J	350	110
118-74-1	Hexachlorobenzene	ND		350	110
87-68-3	Hexachlorobutadiene	ND		350	110
77-47-4	Hexachlorocyclopentadiene	ND		710	110
67-72-1	Hexachloroethane	ND		350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: J03208.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:10

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.68(g) | Date Analyzed: 09/29/2009 03:49

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	650	*	350	110
78-59-1	Isophorone	ND		350	110
91-20-3	Naphthalene	130	J	850	110
98-95-3	Nitrobenzene	ND		350	110
62-75-9	N-Nitrosodimethylamine	ND		350	130
621-64-7	N-Nitrosodi-n-propylamine	ND		350	110
86-30-6	N-Nitrosodiphenylamine	ND		350	110
87-86-5	Pentachlorophenol	ND		350	110
85-01-8	Phenanthrene	2600		430	110
108-95-2	Phenol	ND		350	110
129-00-0	Pyrene	2500		350	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	65	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	64	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: J03208.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:10

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.68(g) | Date Analyzed: 09/29/2009 03:49

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 9570

CAS NO.	COMPOUND NAME	RT	RESULT	Q
203-64-5	4H-Cyclopenta[def]phenanthrene	13.26	390	T J N
84-65-1	9,10-Anthracenedione	13.45	280	T J N
239-30-5	Benzo[b]naphtho[2,1-d]furan	14.06	230	T J N
69782-90-7	1,1''-Biphenyl, 2,3,3'',4,4'',5''-hexachloro	14.64	310	T J N
60145-22-4	1,1''-Biphenyl, 2,2'',4,4'',5'',6-Hexachloro	14.88	350	T J N
82-5-3	7H-Benz[de]anthracen-7-one	15.20	220	T J N
544-76-3	Hexadecane	15.68	290	T J N
630-3-5	Nonacosane	16.34	900	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.85	6600	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Lims ID:	360-24582-A-9-D	Client ID:	OC-SS-404-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 03:49:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-9-d 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	49648	Lims Sample ID:	27
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:03:11	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:03:11

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.036	-0.002	59091	2.00	
* 2 Naphthalene-d8	136	9.346	9.349	-0.003	146711	2.00	
* 3 Acenaphthene-d10	164	11.135	11.133	0.002	78785	2.00	
* 4 Phenanthrene-d10	188	12.616	12.619	-0.003	132049	2.00	
* 5 Chrysene-d12	240	15.377	15.379	-0.002	76013	2.00	
* 6 Perylene-d12	264	17.016	17.014	0.002	43000	2.00	
$ 7 2-Fluorophenol	112	6.692	6.685	0.007	11201	0.6410	
$ 8 Phenol-d5	99	7.683	7.680	0.003	13147	0.6358	
$ 9 Nitrobenzene-d5	82	8.640	8.637	0.003	6246	0.3032	
$ 10 2-Fluorobiphenyl	172	10.428	10.426	0.002	14810	0.3250	
$ 11 2,4,6-Tribromophenol	330	11.938	11.936	0.002	2969	0.6525	
$ 12 Terphenyl-d14	244	14.199	14.201	-0.002	11185	0.4089	
17 Benzaldehyde	105	7.596	7.599	-0.003	661	0.0612	
18 Phenol	94	7.697	7.695	0.002	761	0.0342	
19 Aniline	93	7.745	7.743	0.002	605	0.0232	
30 Acetophenone	105	8.471	8.469	0.002	2423	0.1000	
41 Naphthalene	128	9.366	9.368	-0.002	21118	0.3589	
46 2-Methylnaphthalene	142	10.053	10.056	-0.003	4786	0.1241	
47 1-Methylnaphthalene	142	10.169	10.171	-0.002	2708	0.0721	
52 1,1'-Biphenyl	154	10.525	10.522	0.003	1862	0.0388	
58 Acenaphthylene	152	10.986	10.984	0.002	1122	0.0193	
61 Acenaphthene	153	11.169	11.167	0.002	23522	0.6133	
64 Dibenzofuran	168	11.318	11.321	-0.003	20720	0.3905	
69 Fluorene	166	11.669	11.672	-0.003	23300	0.5412	
80 Phenanthrene	178	12.640	12.643	-0.003	404943	7.43	
81 Anthracene	178	12.684	12.686	-0.002	47984	0.7940	
83 Carbazole	167	12.842	12.840	0.002	42524	0.8996	
84 Di-n-butyl phthalate	149	13.155	13.153	0.002	4140	0.0601	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.852	13.850	0.002	409692	7.50	
85 Pyrene	202	14.093	14.091	0.002	312227	6.98	
89 Butyl benzyl phthalate	149	14.699	14.701	-0.002	8015	0.3798	
92 Bis(2-ethylhexyl) phthalate	149	15.285	15.283	0.002	183056	6.78	
93 Benzo[a]anthracene	228	15.357	15.355	0.002	87930	2.86	
94 Chrysene	228	15.406	15.408	-0.002	96319	3.15	
95 Di-n-octyl phthalate	149	15.930	15.928	0.002	3148	0.1847	
97 Benzo[b]fluoranthene	252	16.540	16.543	-0.003	51419	2.10	
98 Benzo[k]fluoranthene	252	16.564	16.567	-0.003	61236	2.81	
99 Benzo[a]pyrene	252	16.944	16.947	-0.003	42621	2.70	
101 Dibenz(a,h)anthracene	278	18.536	18.544	-0.008	6477	1.11	
100 Indeno[1,2,3-cd]pyrene	276	18.555	18.553	0.002	20692	1.84	
102 Benzo[g,h,i]perylene	276	19.017	19.020	-0.003	19886	1.88	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Lims ID:	360-24582-A-9-D	Client ID:	OC-SS-404-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 03:49:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-9-d 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	49648	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:03:11	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:03:11

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.944	699	0.9318	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.241	99515	0.5894	4	93	87885	
486-25-9	9H-Fluoren-9-one					
12.429	74796	0.4430	4	94	125317	
132-65-0	Dibenzothiophene					
12.520	58296	0.3452	4	91	125577	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
12.722	99228	0.5877	4	95	64461	
610-48-0	Anthracene, 1-methyl-					
13.117	105333	0.6238	4	95	81039	
203-64-5	4H-Cyclopenta[def]phenanthrene					
13.261	186151	1.10	4	92	125763	
84-65-1	9,10-Anthracenedione					
13.453	133506	0.7907	4	99	125322	
5129-61-3	Heptadecanoic acid, 16-methyl-, methyl e					
13.679	57843	0.3426	4	90	115407	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
5737-13-3	Cyclopenta(def)phenanthrenone					
13.790	66172	0.3919	4	90	84069	
239-30-5	Benzo[b]naphtho[2,1-d]furan					
14.064	95941	0.6581	5	96	87253	
239-30-5	Benzo[b]naphtho[2,1-d]furan					
14.136	60894	0.4177	5	93	87253	
33543-31-6	Fluoranthene, 2-methyl-					
14.429	63575	0.4361	5	93	126766	
52712-4-6	1,1'-Biphenyl, 2,2',3,4,5,5'-hexachloro-					
14.453	59681	0.4093	5	99	103775	
69782-90-7	1,1'-Biphenyl, 2,3,3',4,4',5'-hexachloro					
14.636	127406	0.8739	5	93	103776	
60145-22-4	1,1'-Biphenyl, 2,2',4,4',5',6-Hexachloro					
14.881	144287	0.9897	5	95	103769	
82-5-3	7H-Benz[de]anthracen-7-one					
15.204	91445	0.6272	5	94	127135	
544-76-3	Hexadecane					
15.675	119478	0.8195	5	95	112410	
630-3-5	Nonacosane					
16.338	92793	2.54	6	98	112560	
26603-23-6	p,p'-Dioctyldiphenylamine					
16.848	678032	18.6	6	97	101420	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	12.616	337704	2.00
* 5 Chrysene-d12	15.377	291591	2.00
* 6 Perylene-d12	17.016	73051	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:03:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

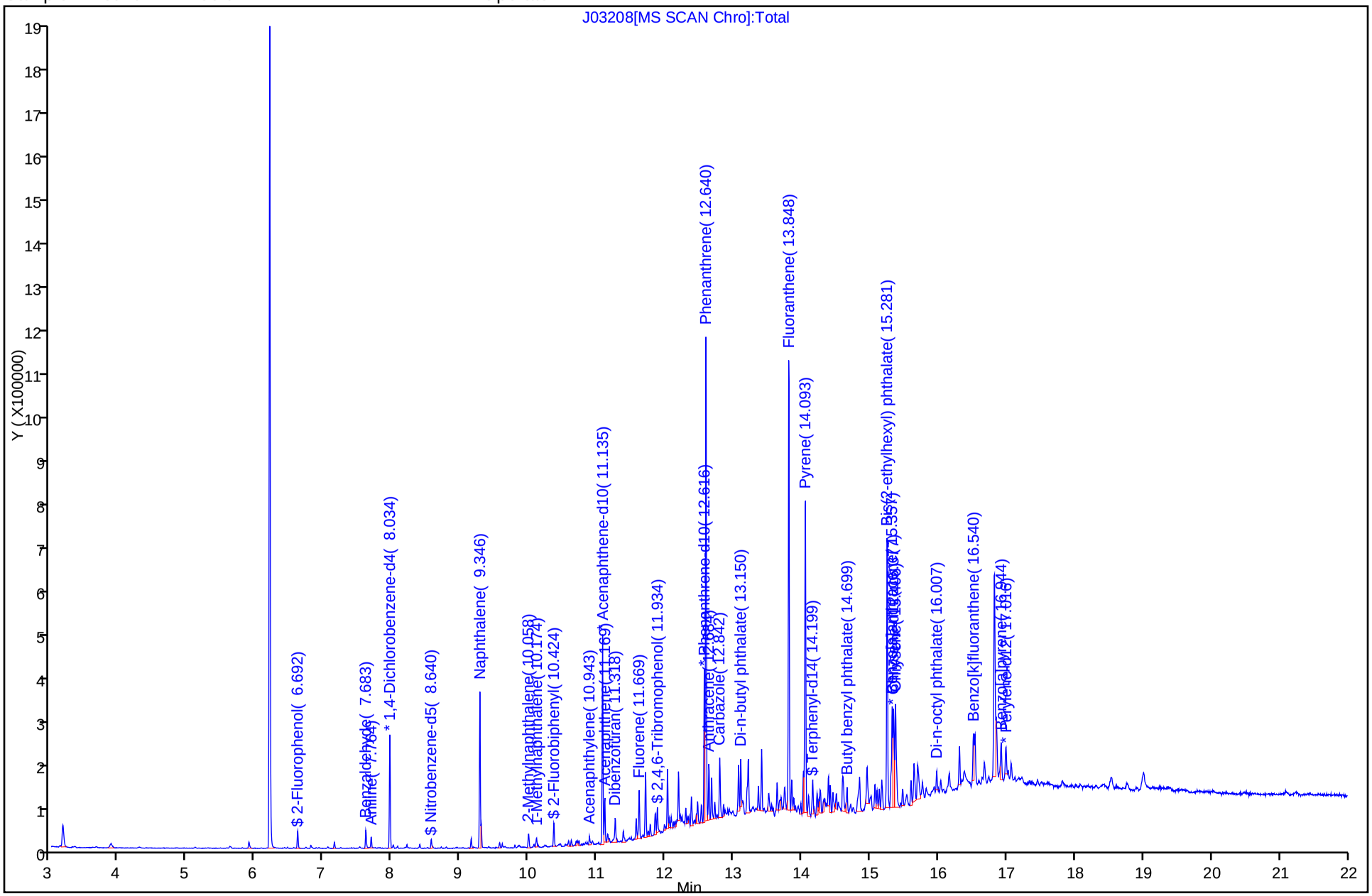
Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 27

Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-9-d 10X

Sample Amount: 1.00 ul Operator:



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

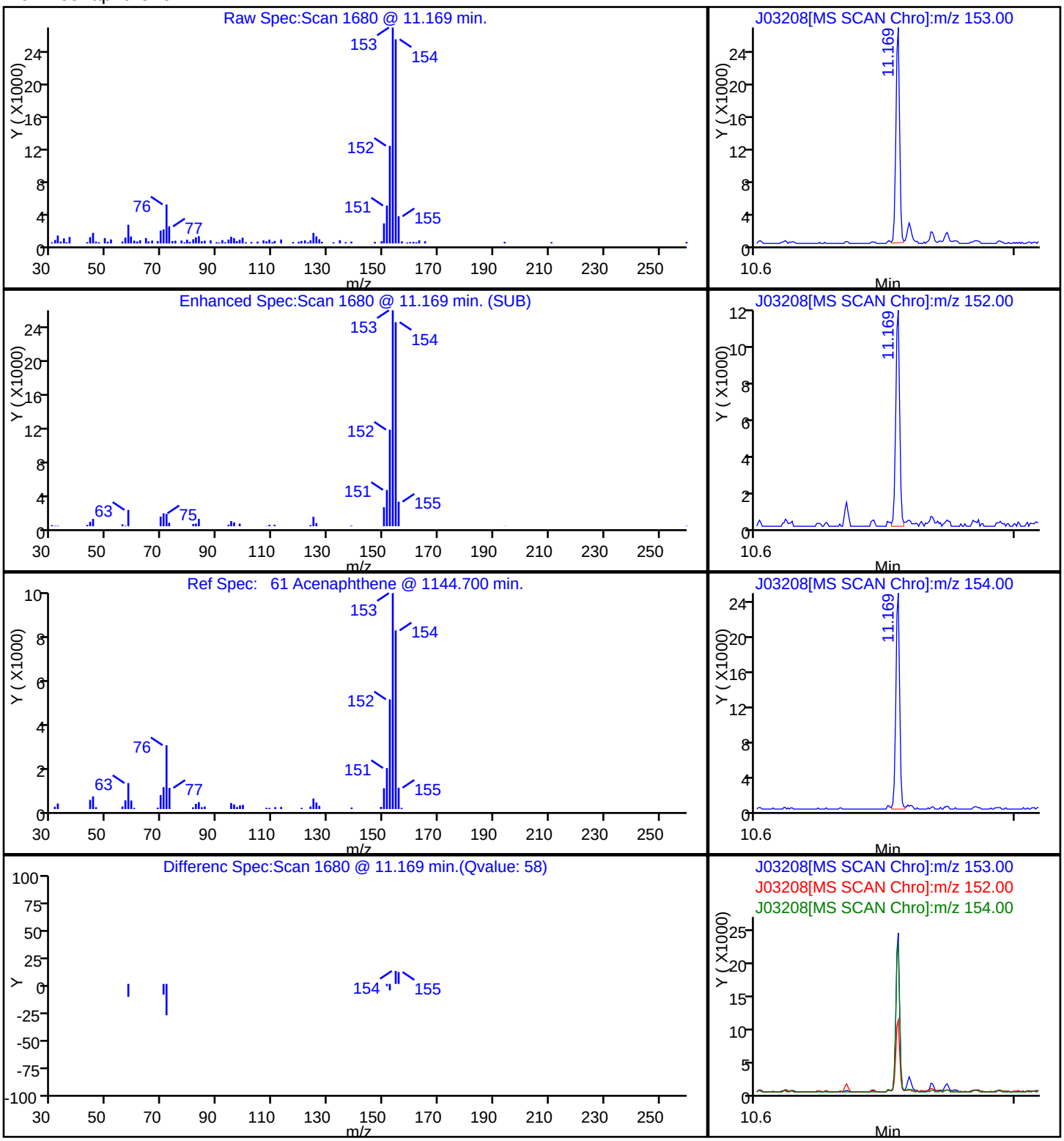
Lims Batch ID: 49648 Lims Sample ID: 27

Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-9-d 10X

Sample Amount: 1.00 ul Operator:

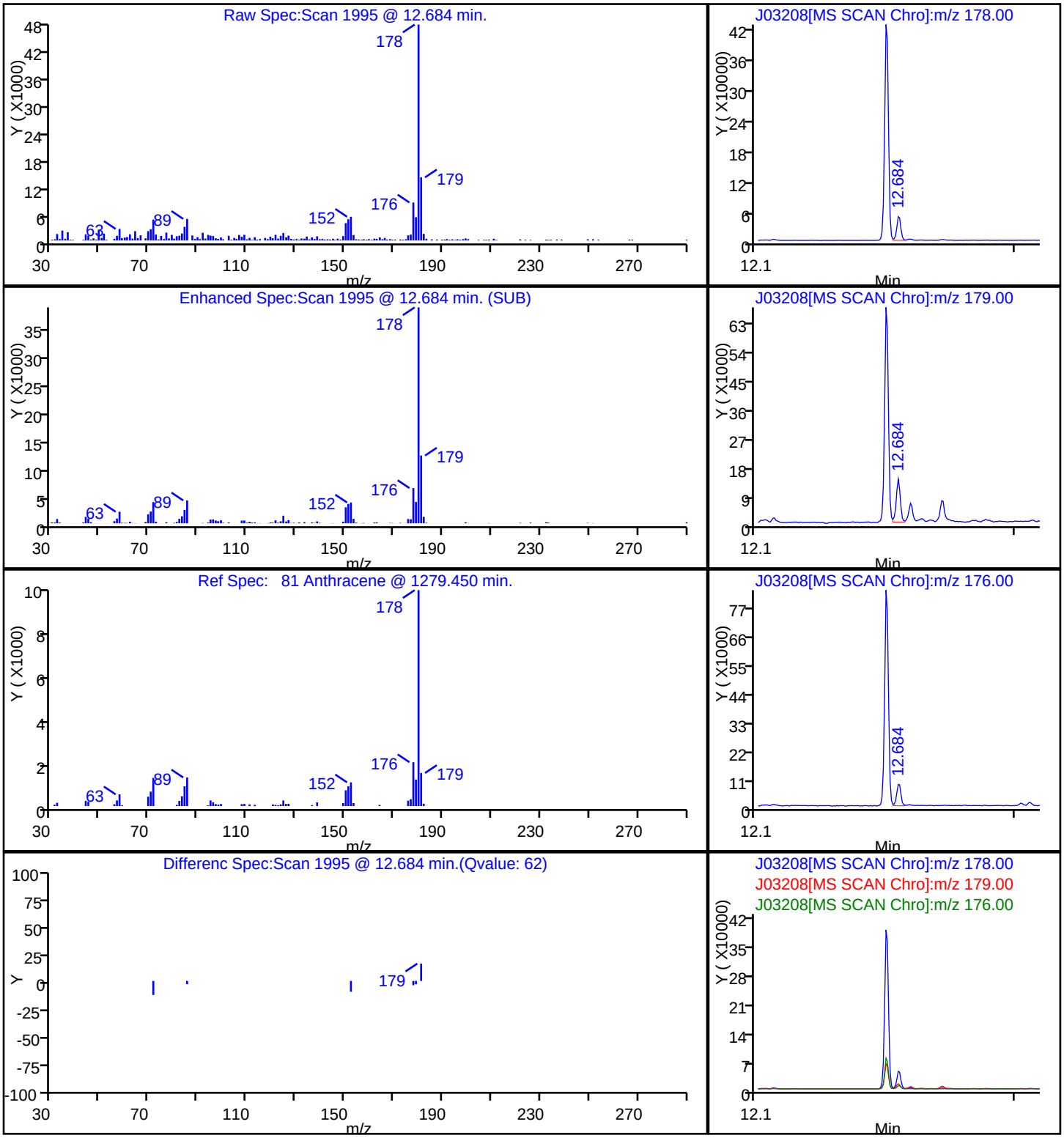
61 Acenaphthene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

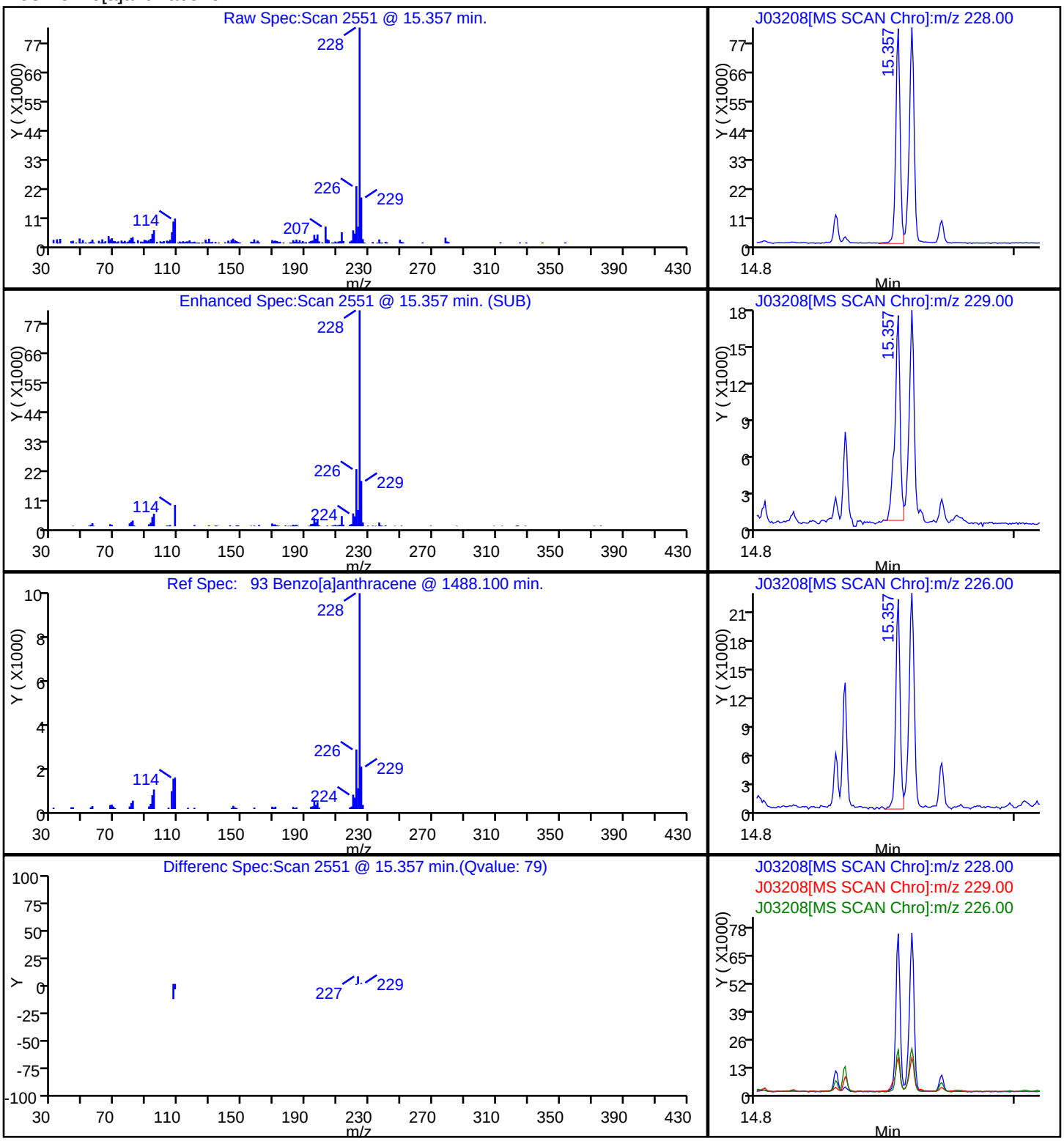
81 Anthracene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

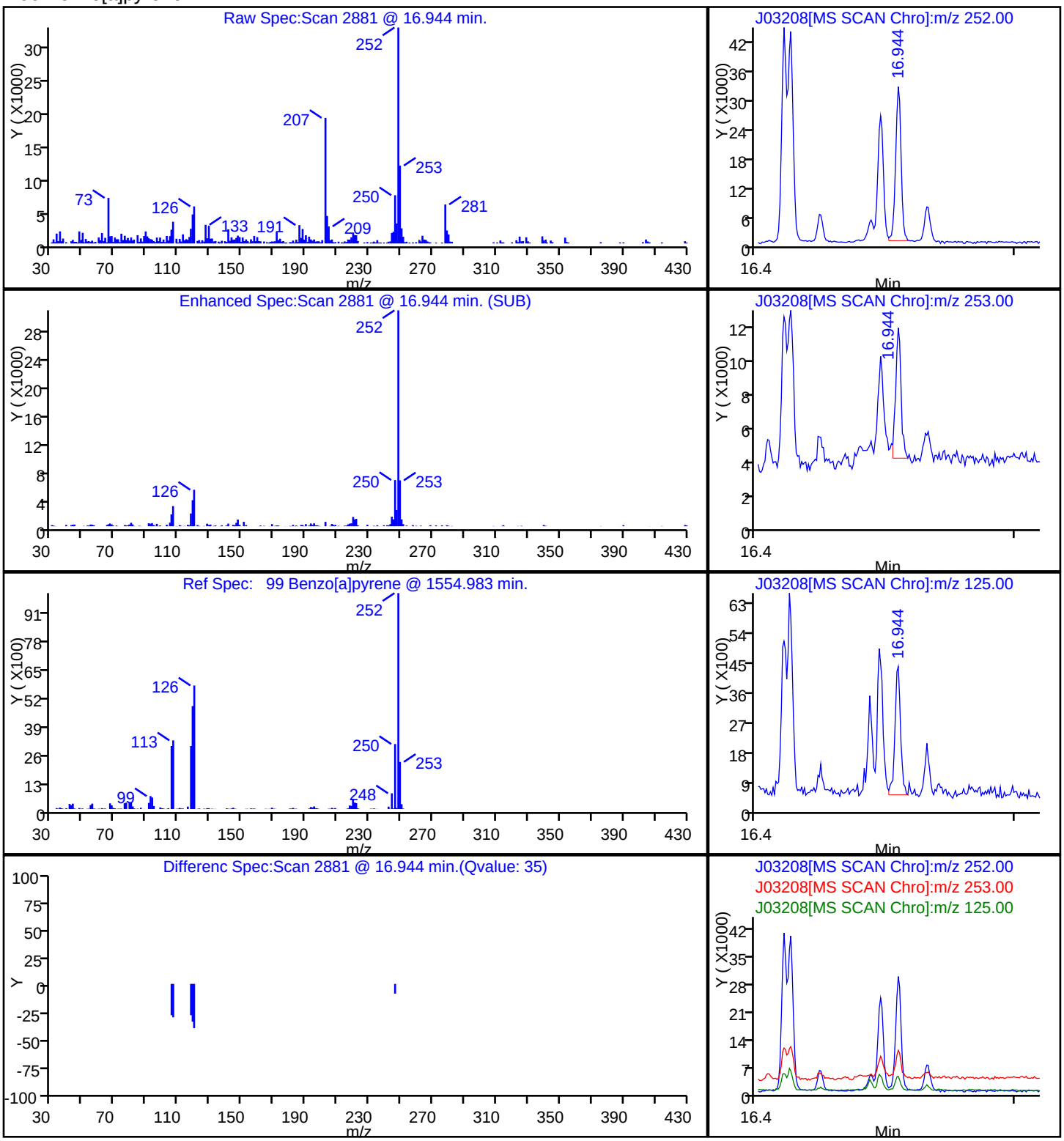
93 Benzo[a]anthracene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

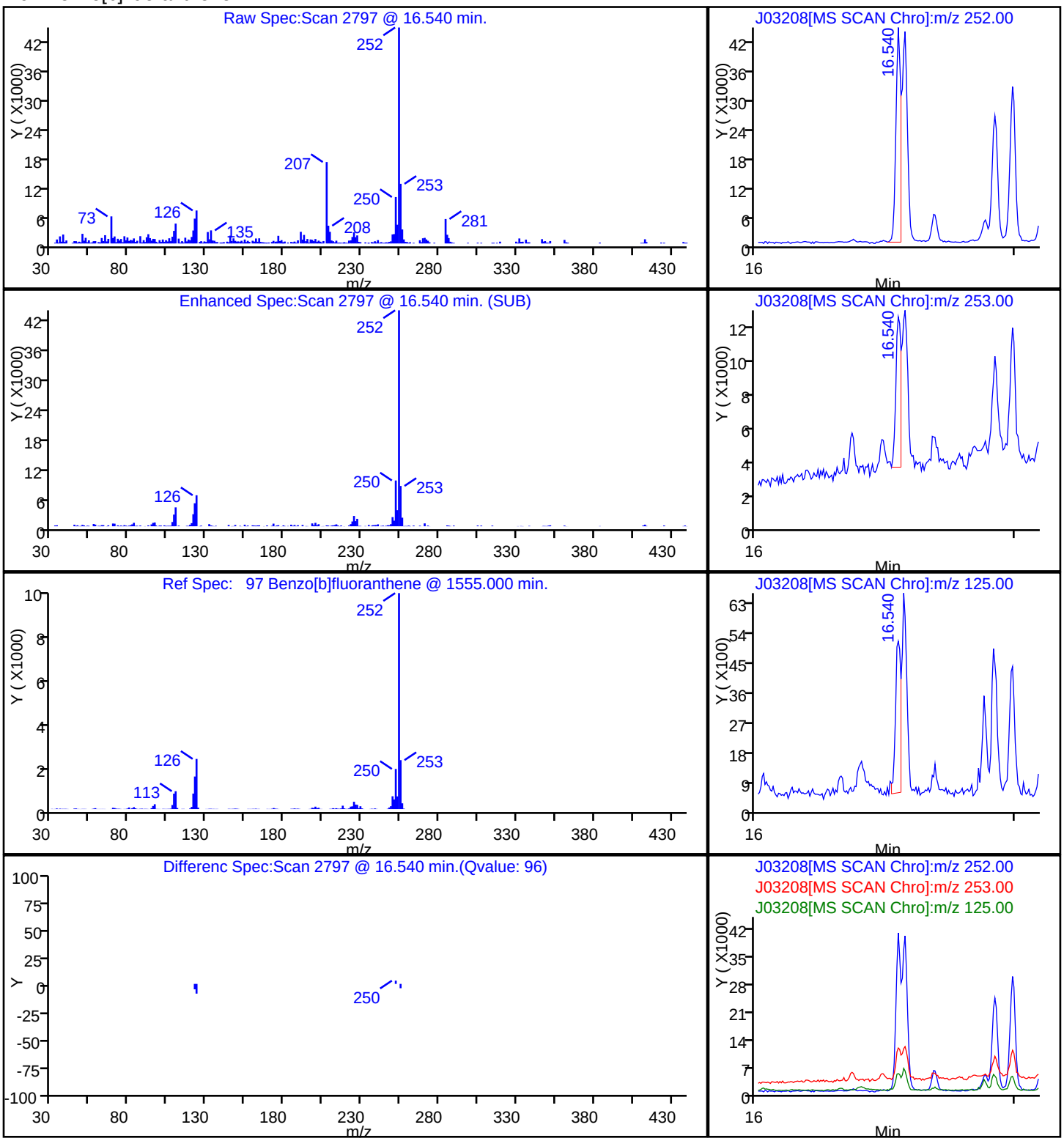
99 Benzo[a]pyrene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

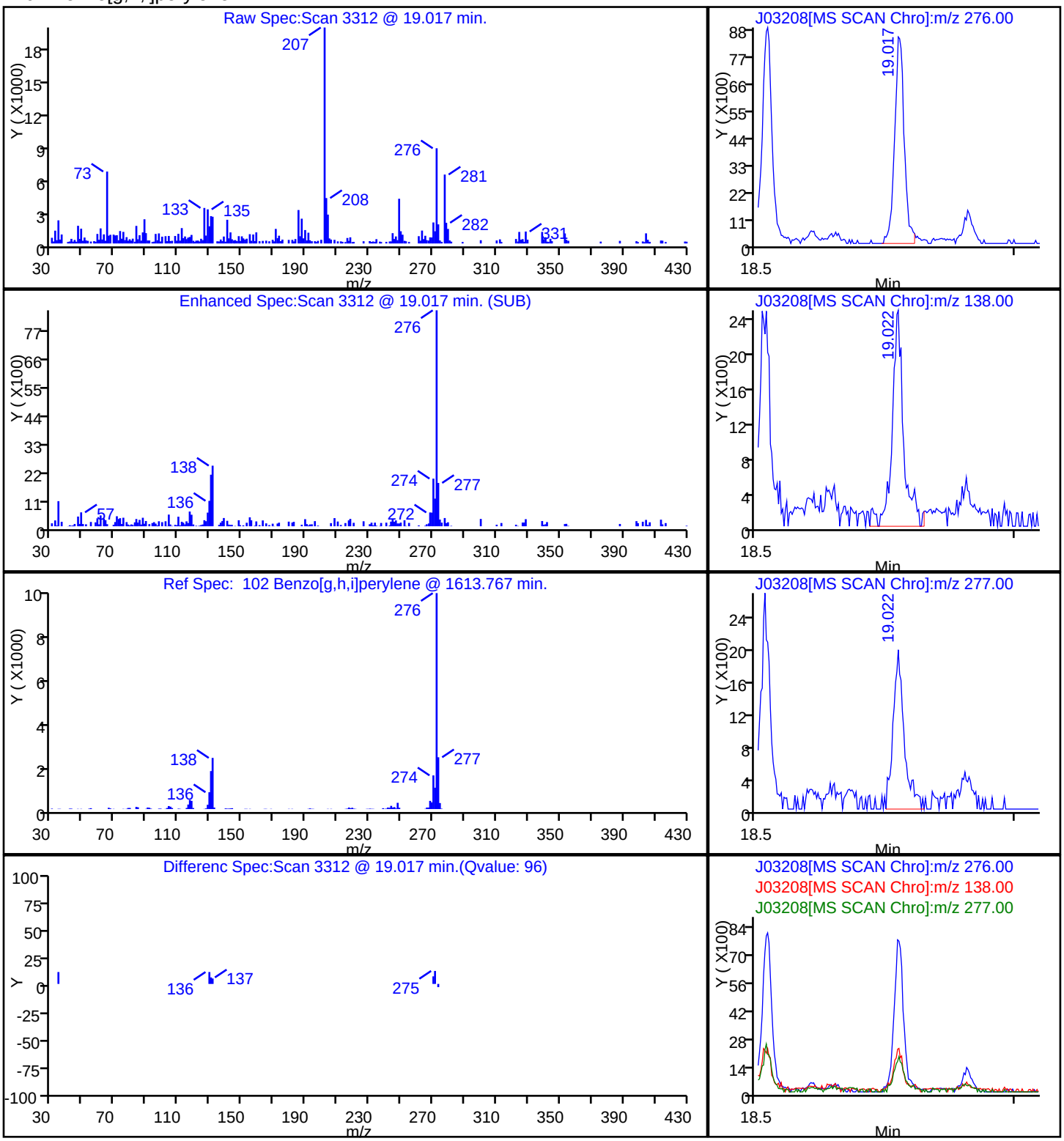
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

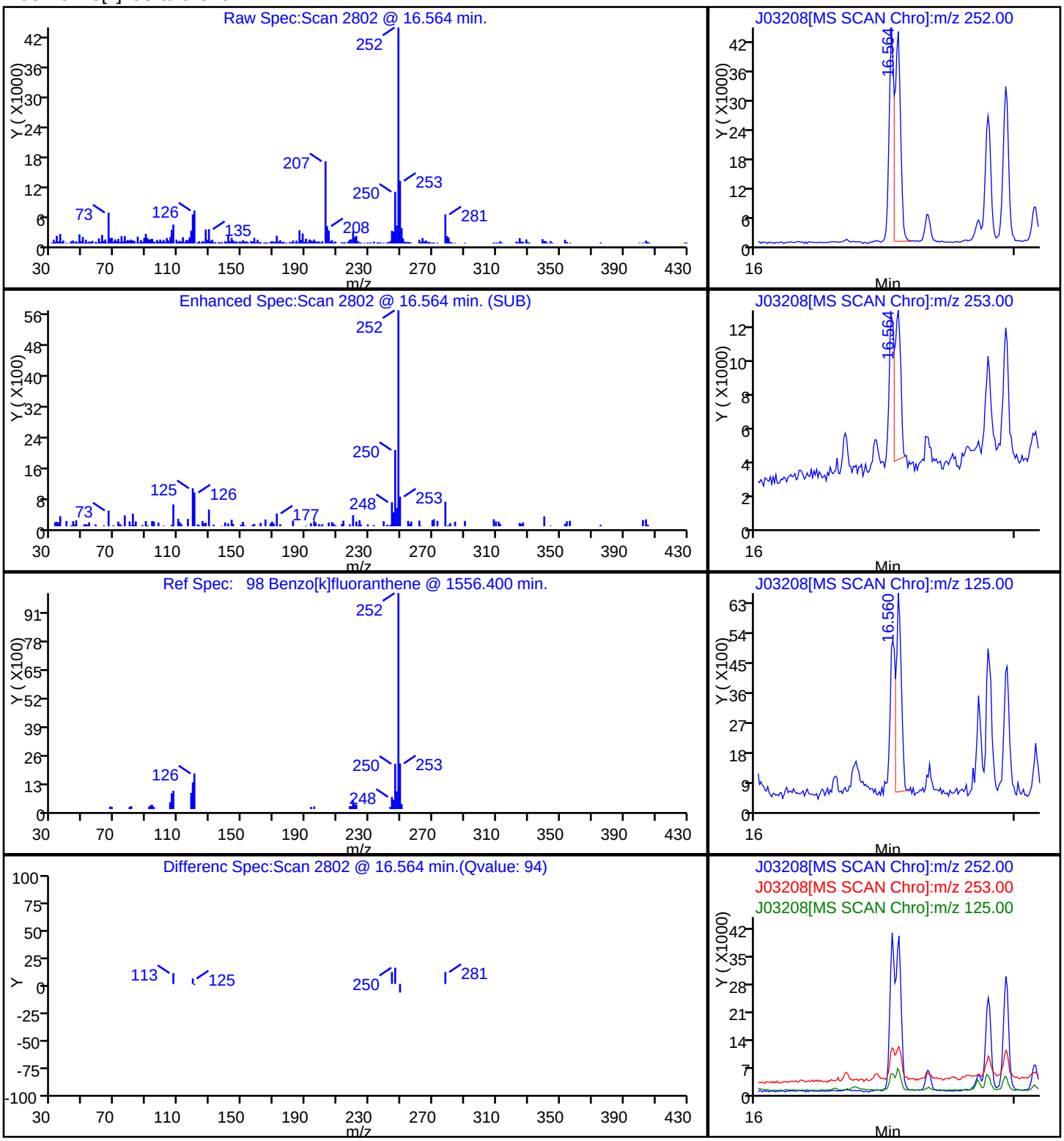
102 Benzo[g,h,i]perylene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

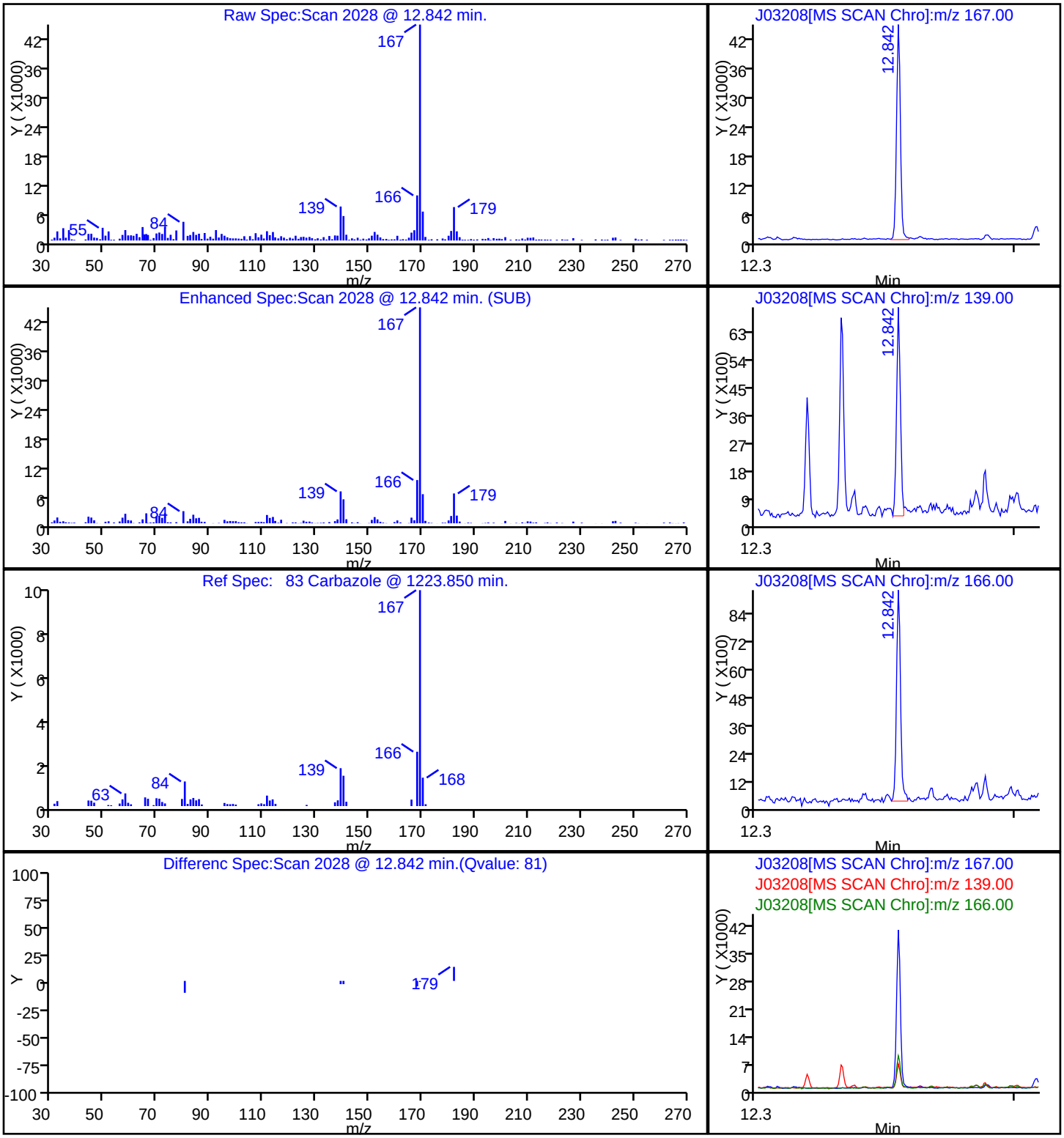
98 Benzo[k]fluoranthene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

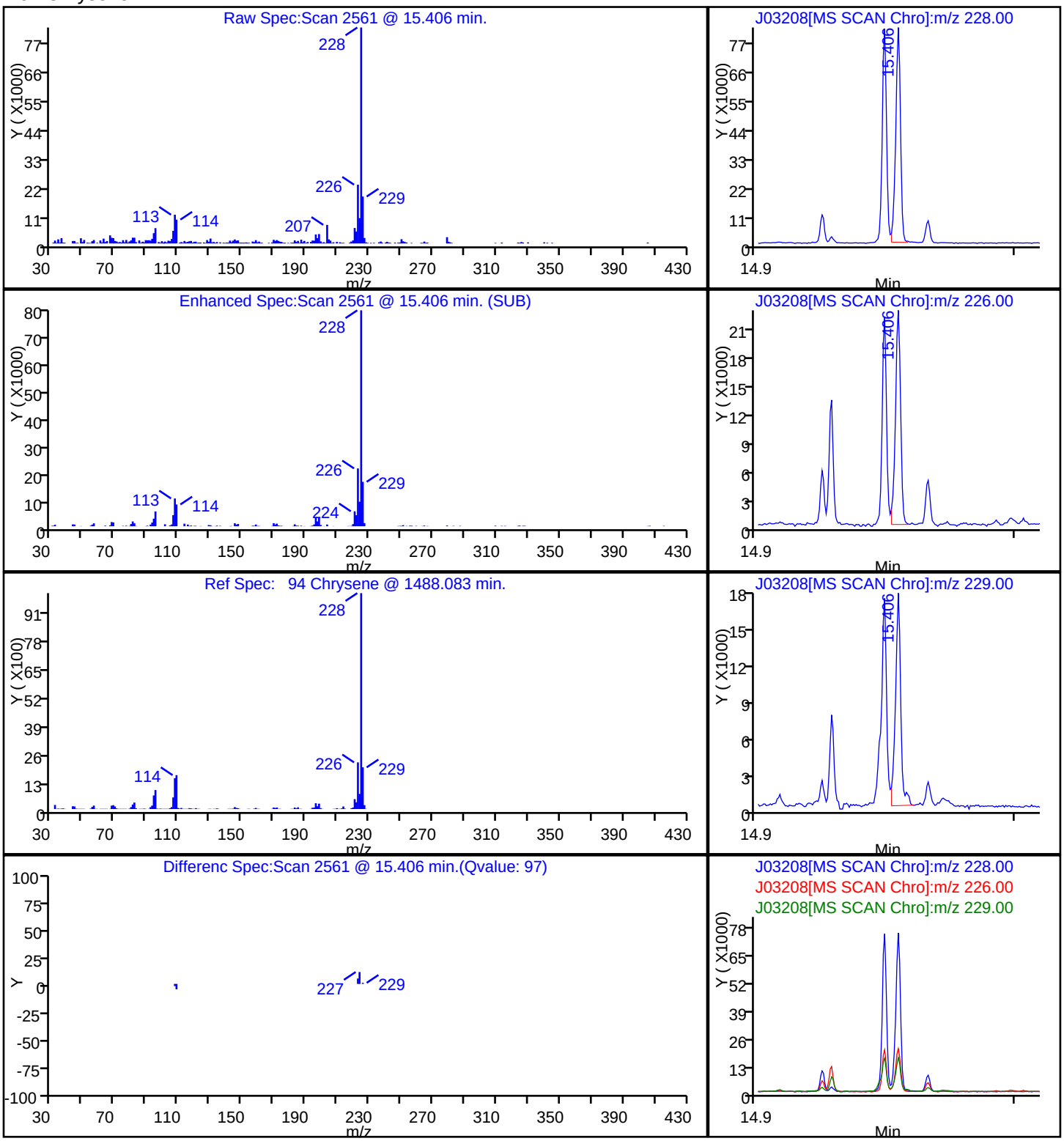
83 Carbazole



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

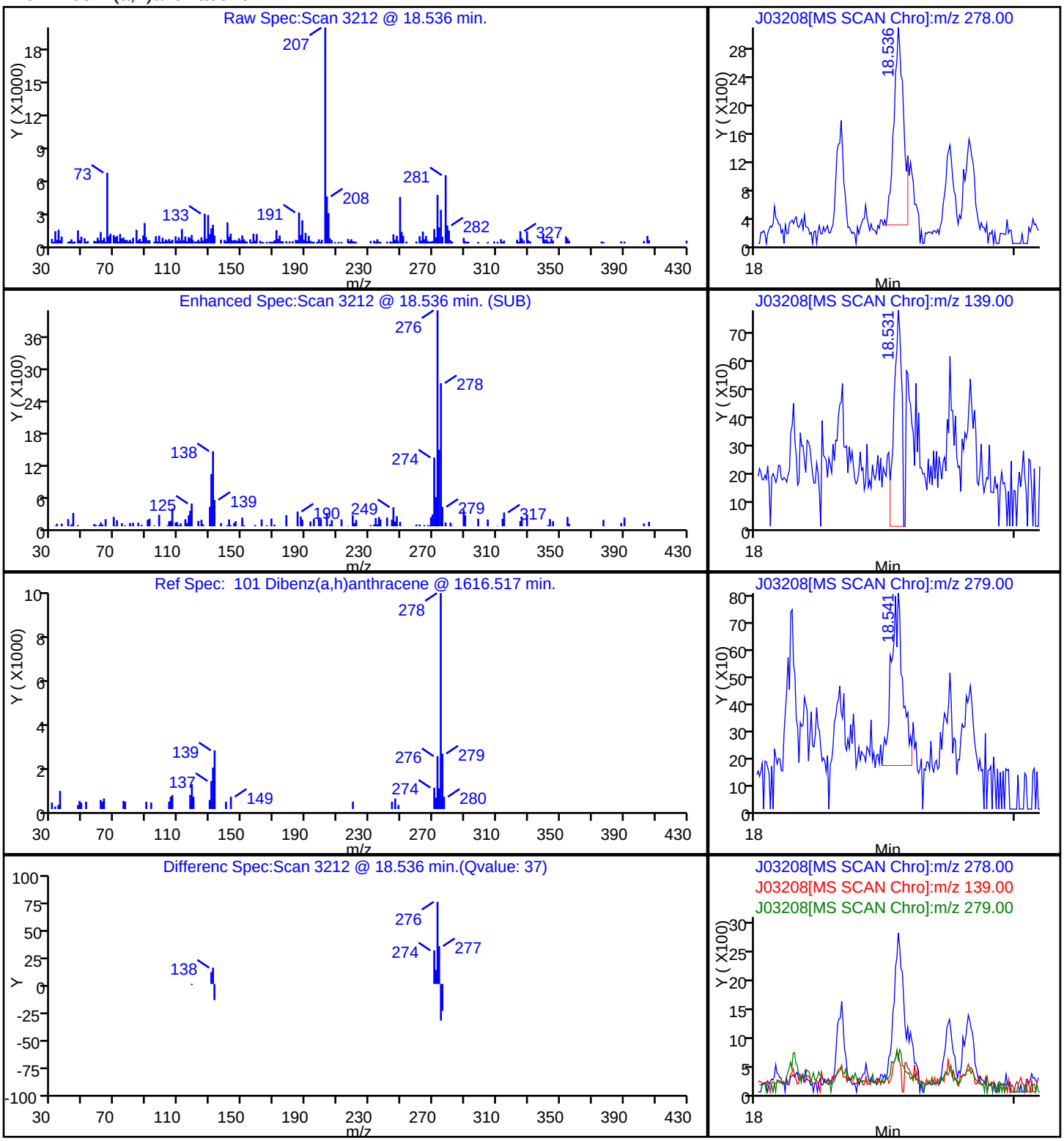
94 Chrysene



Report Date: 30-Sep-2009 09:03:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

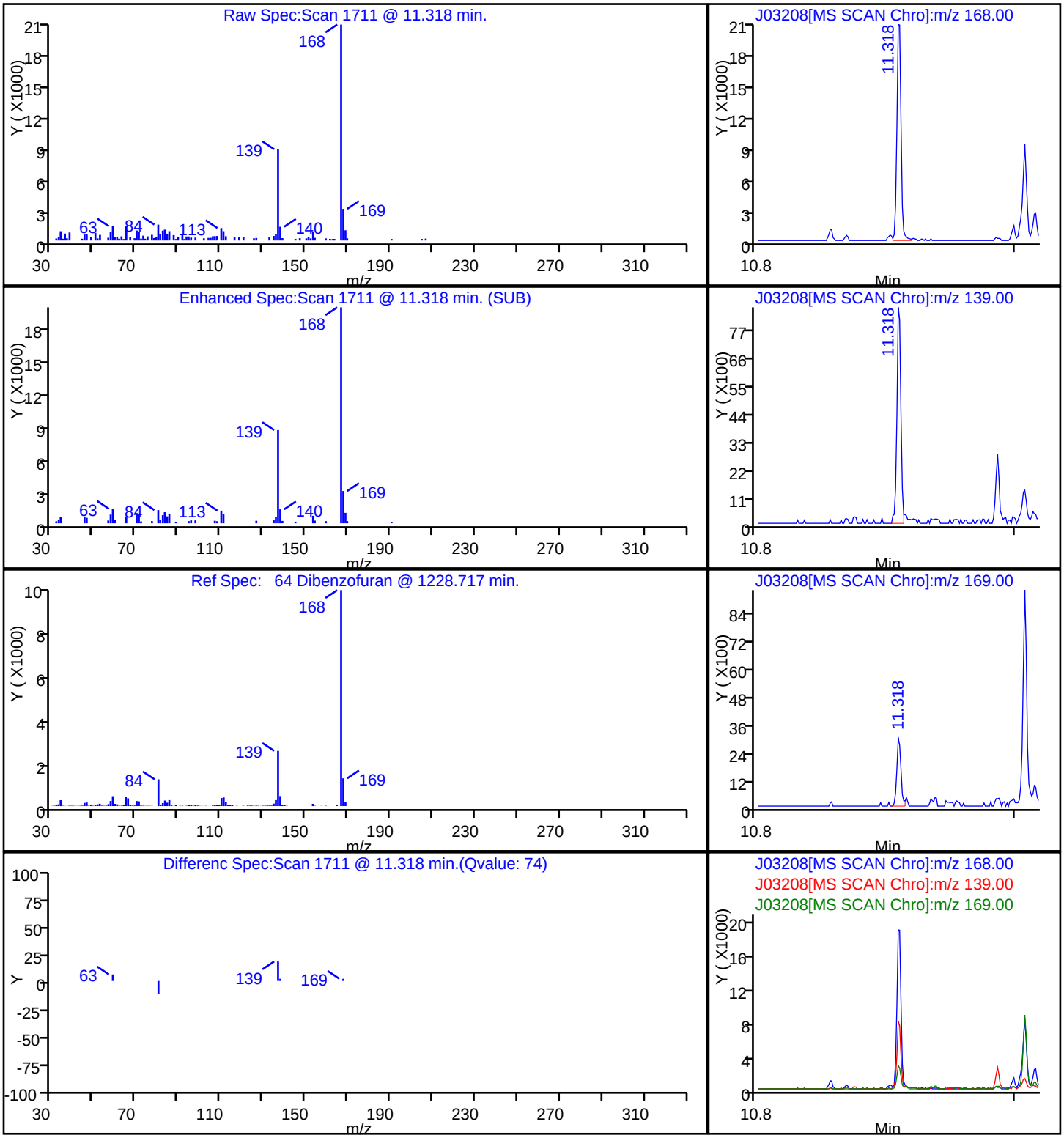
101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

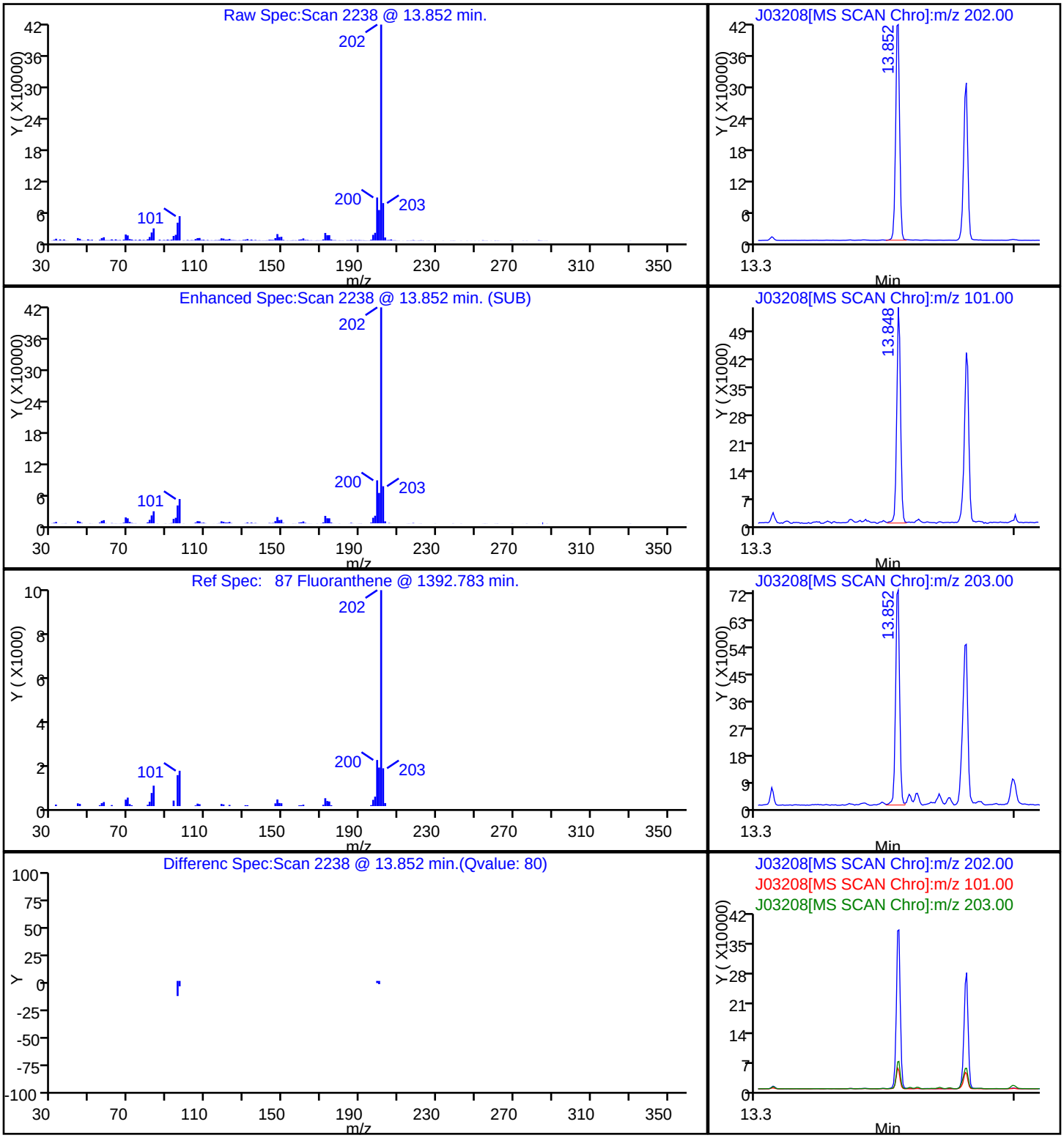
64 Dibenzofuran



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

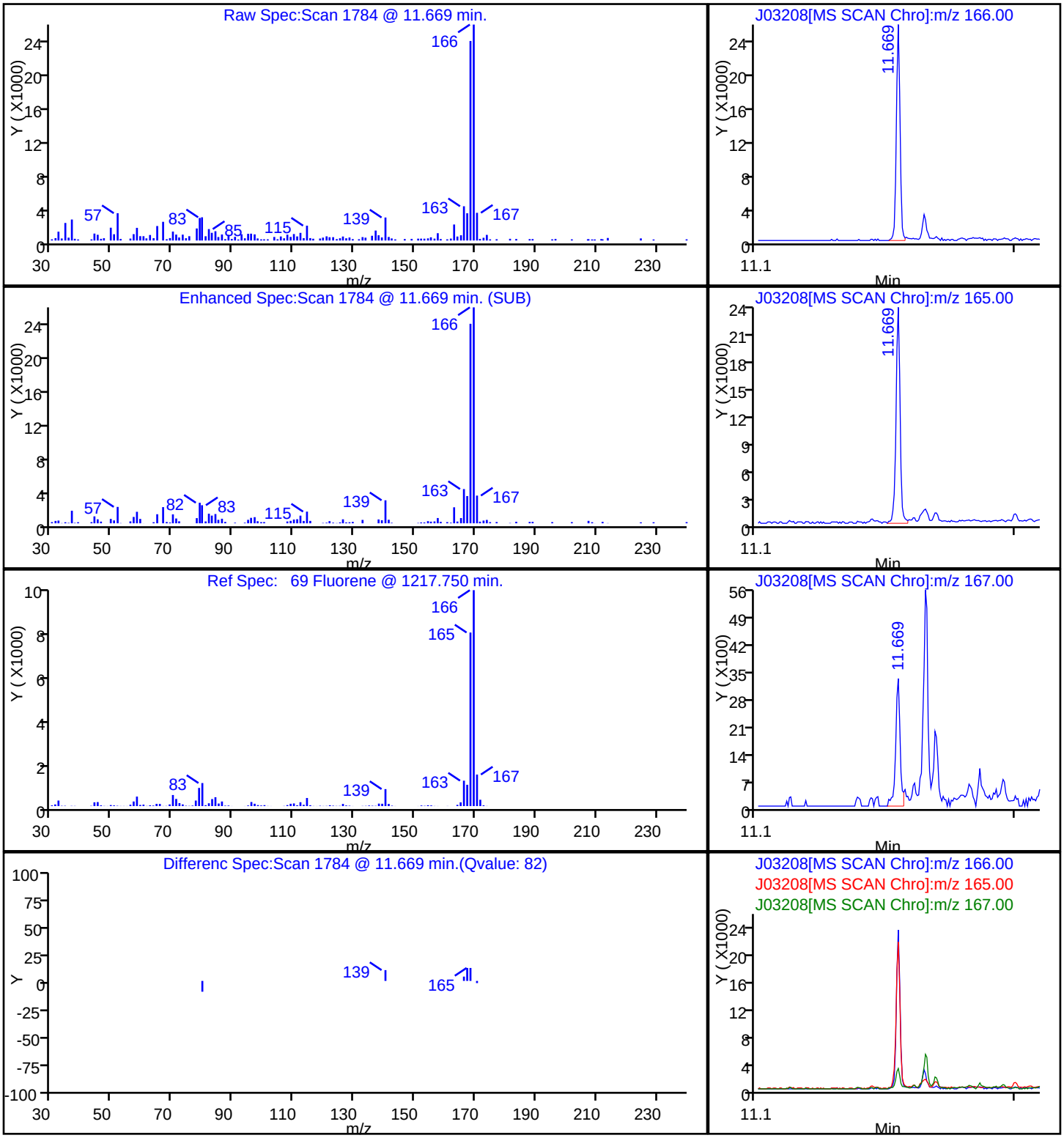
87 Fluoranthene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

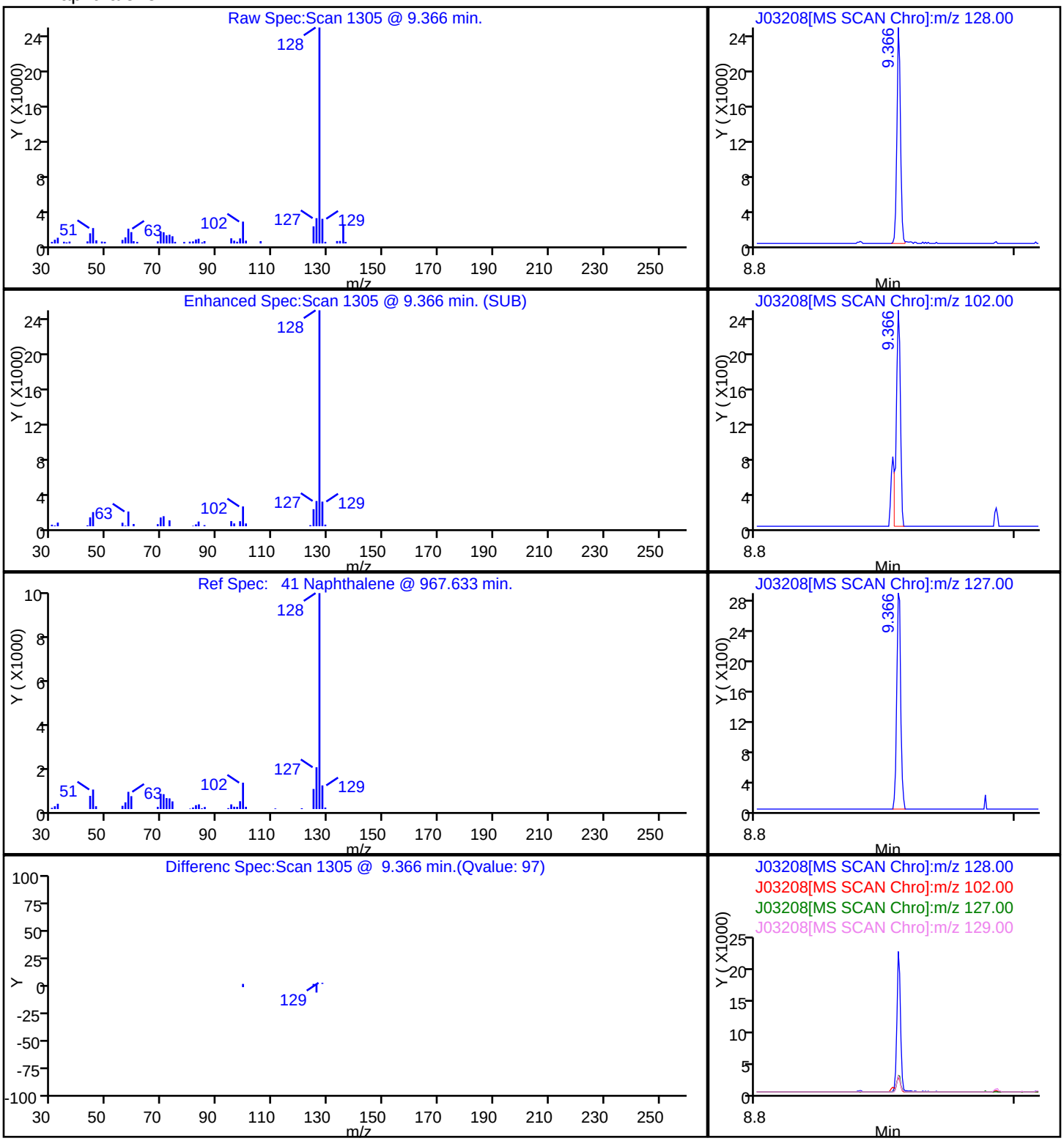
69 Fluorene



Report Date: 30-Sep-2009 09:03:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

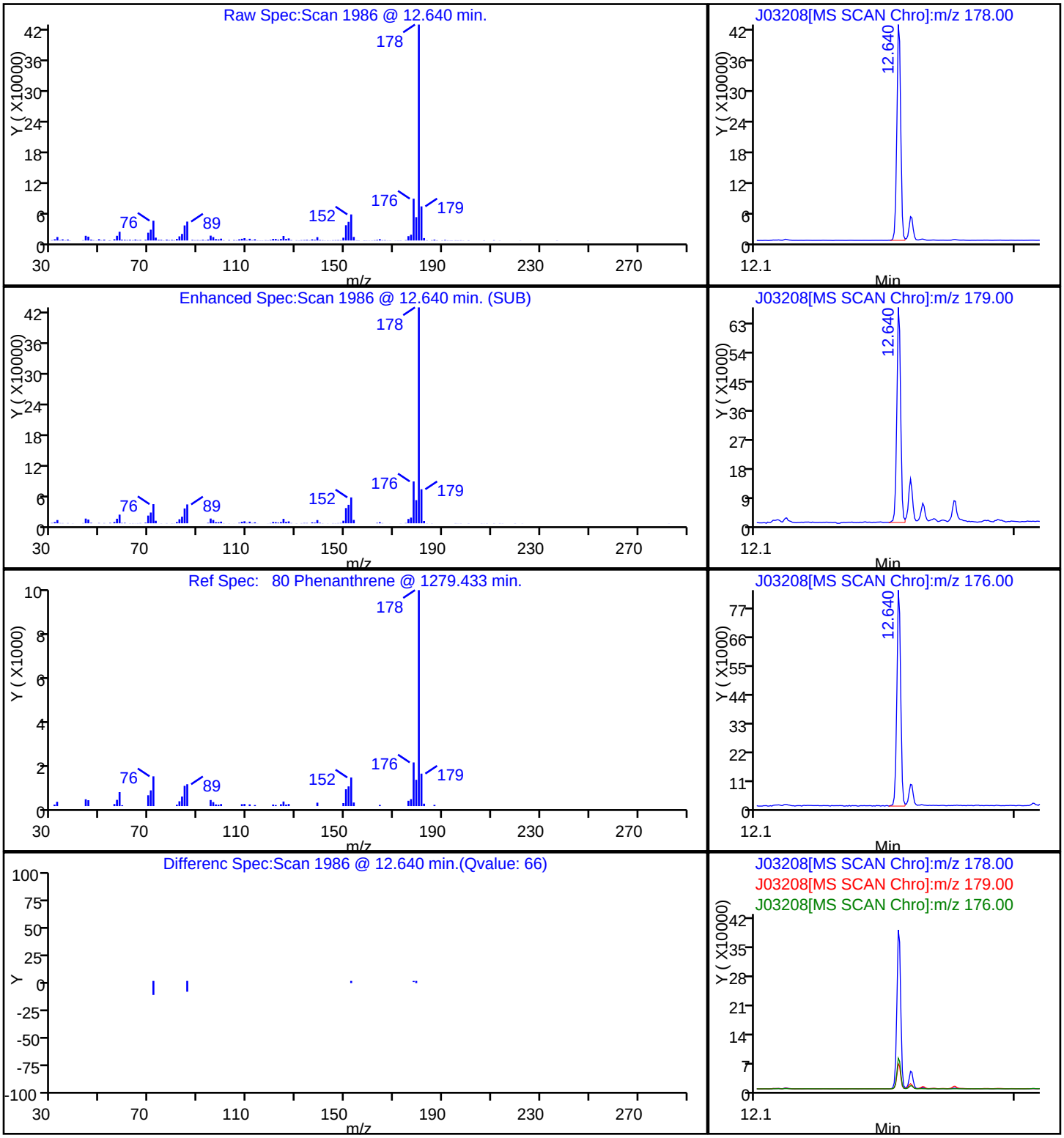
41 Naphthalene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

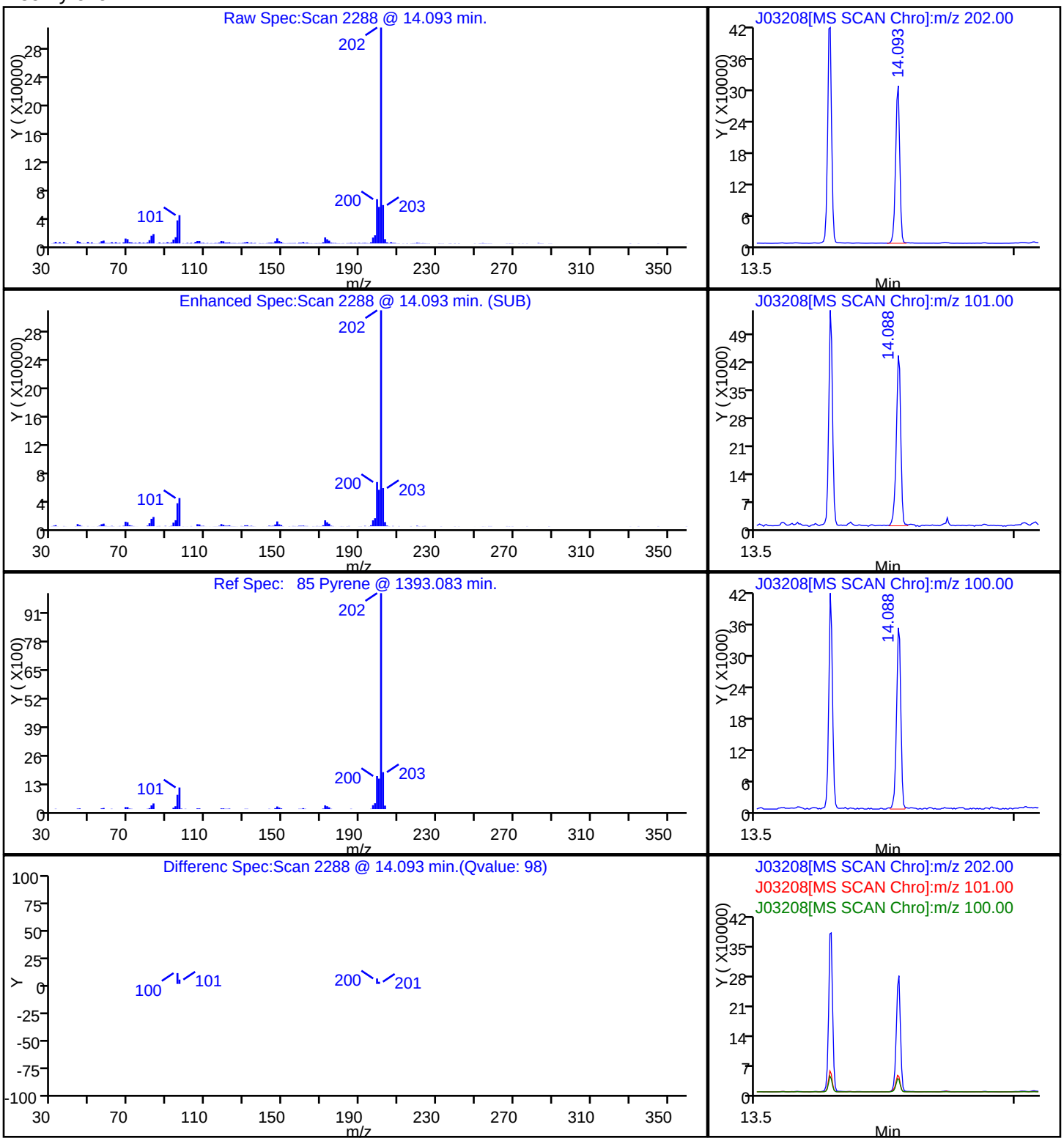
80 Phenanthrene



Report Date: 30-Sep-2009 09:03:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

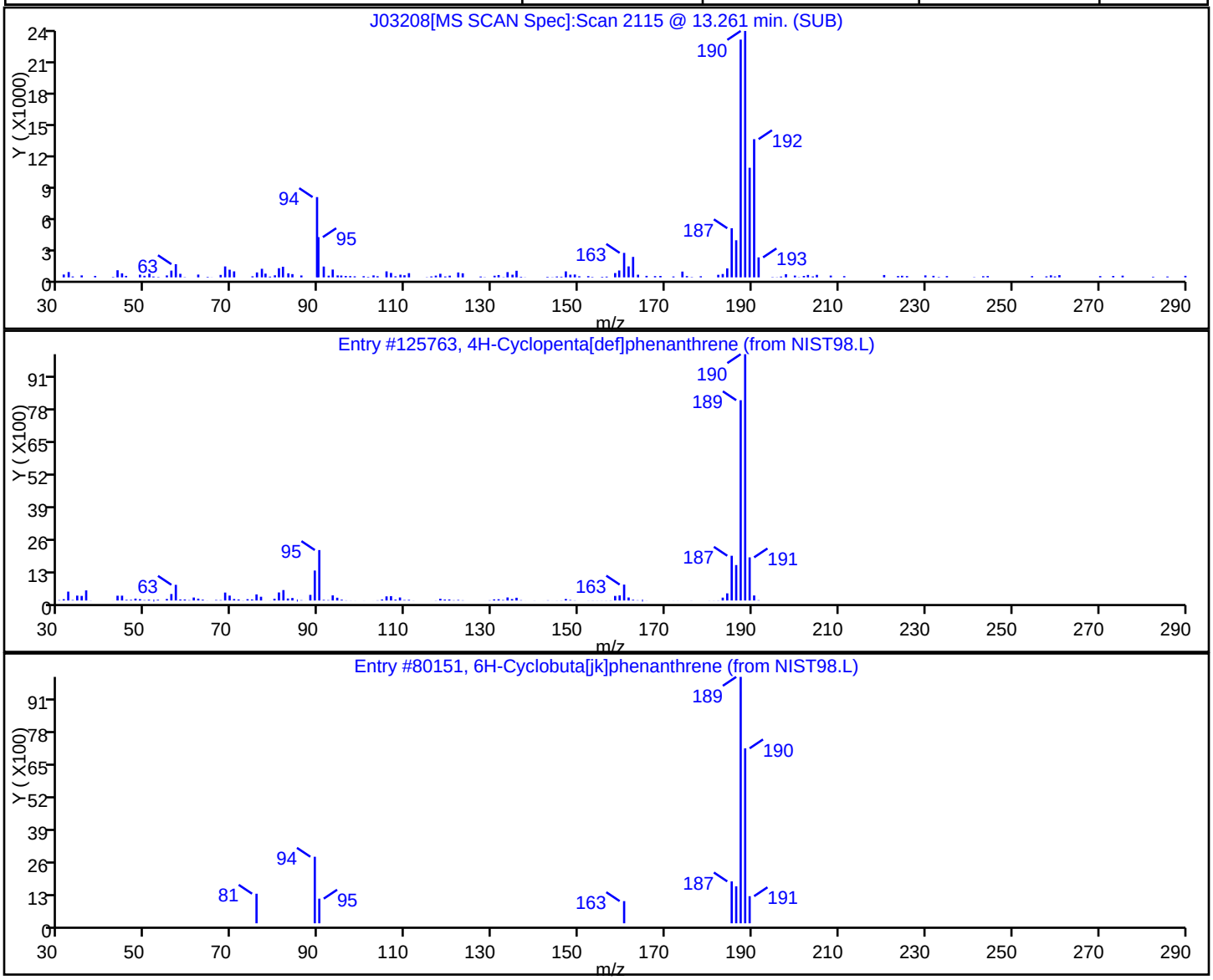
Lims Batch ID: 49648 Lims Sample ID: 27

Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-9-d 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST98.L	125763	92
6H-Cyclobuta[jk]phenanthrene	83469-43-6	NIST98.L	80151	64



Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

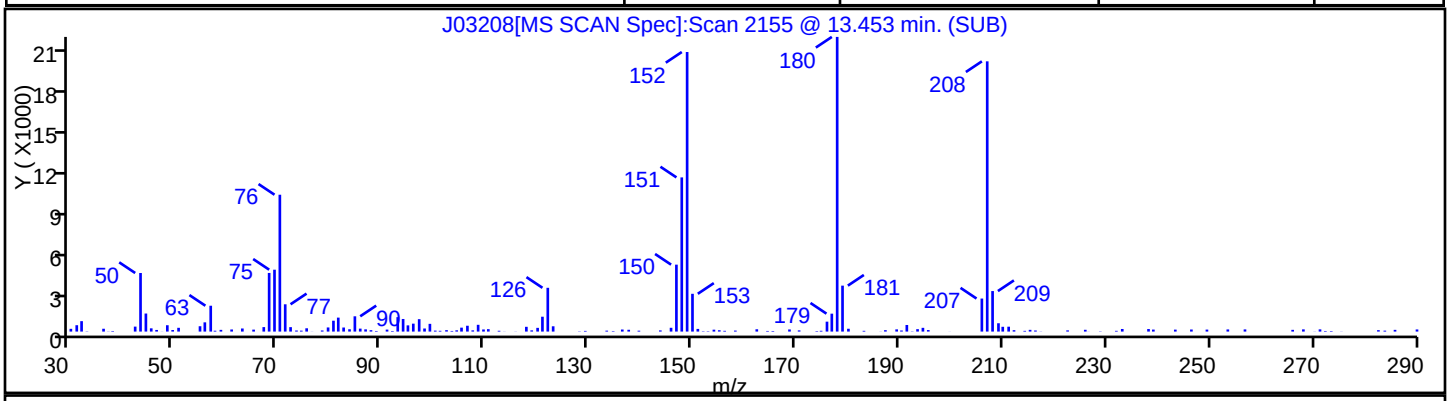
Lims Batch ID: 49648 Lims Sample ID: 27

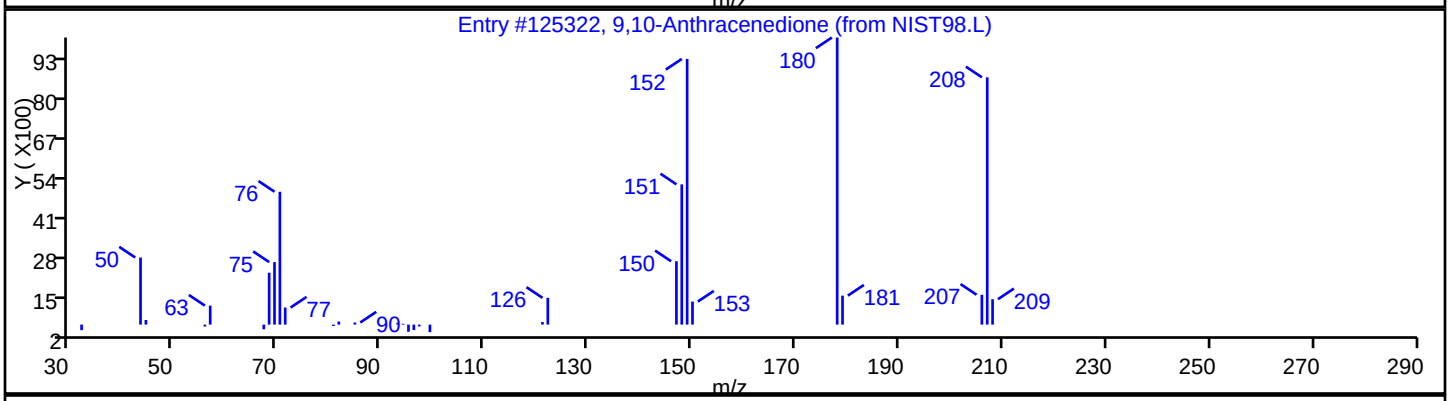
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

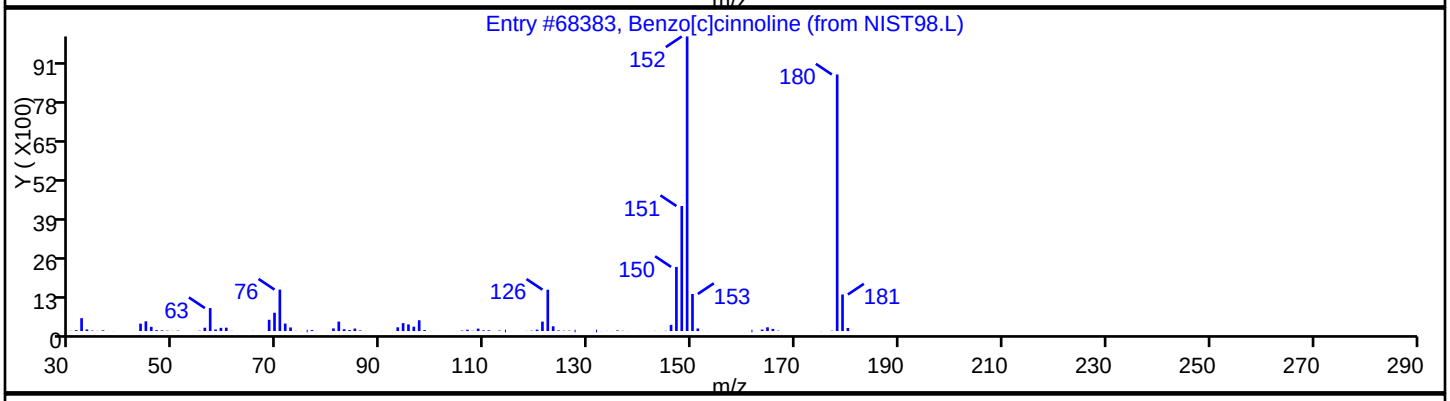
Sample Info: 360-24582-a-9-d 10X

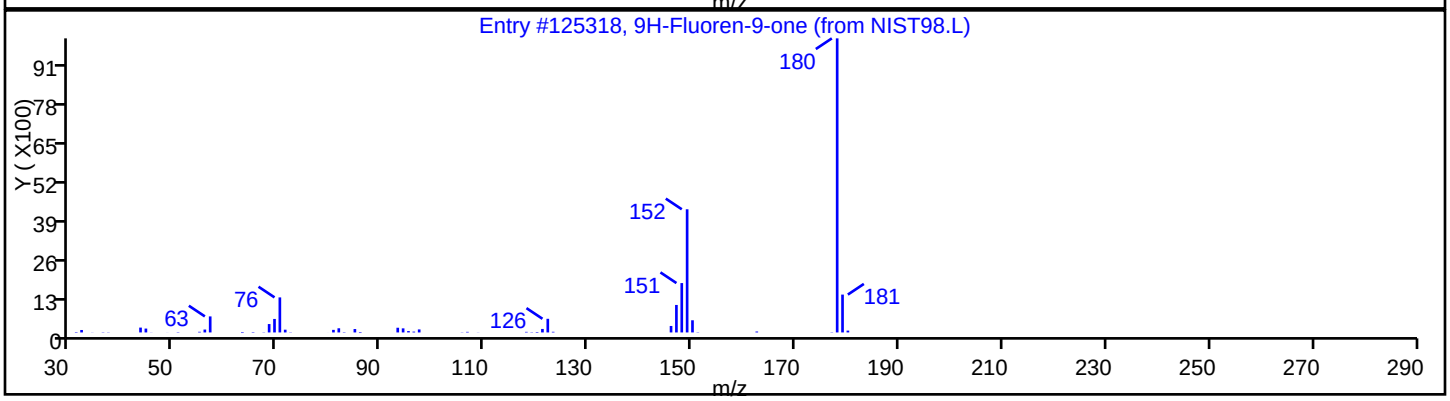
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
9,10-Anthracenedione	84-65-1	NIST98.L	125322	99
Benzo[c]cinnoline	230-17-1	NIST98.L	68383	83
9H-Fluoren-9-one	486-25-9	NIST98.L	125318	78









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

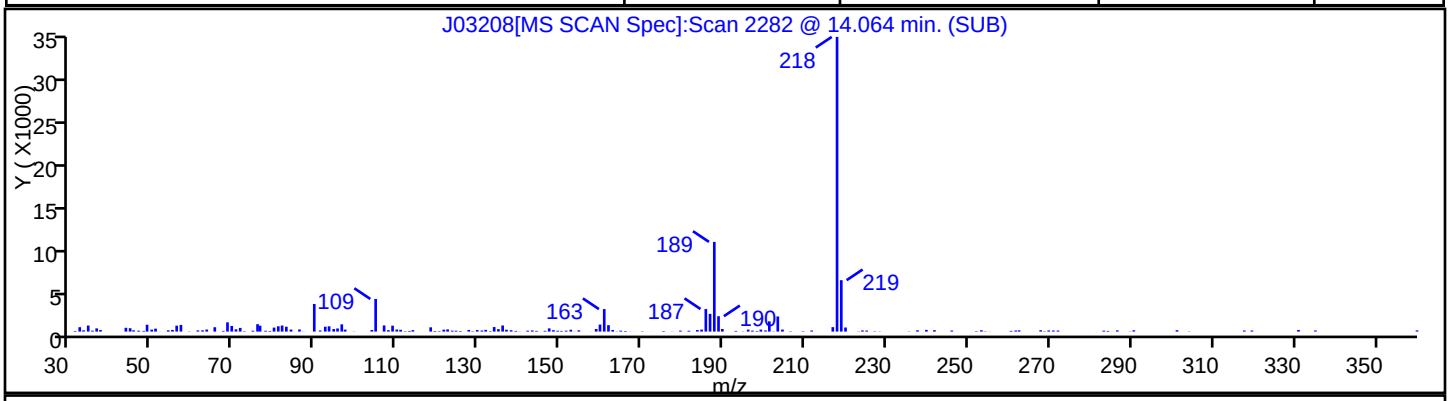
Lims Batch ID: 49648 Lims Sample ID: 27

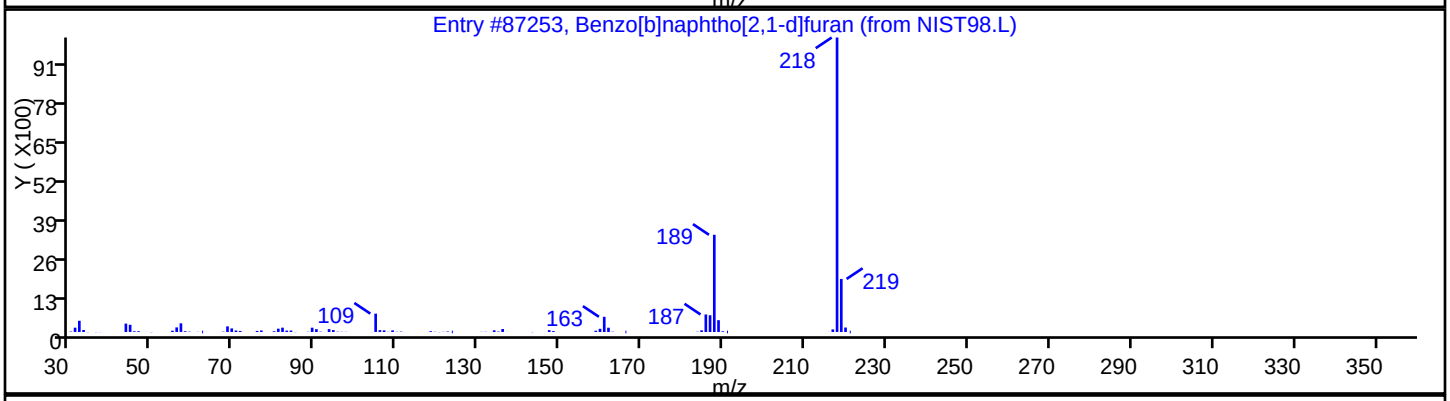
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

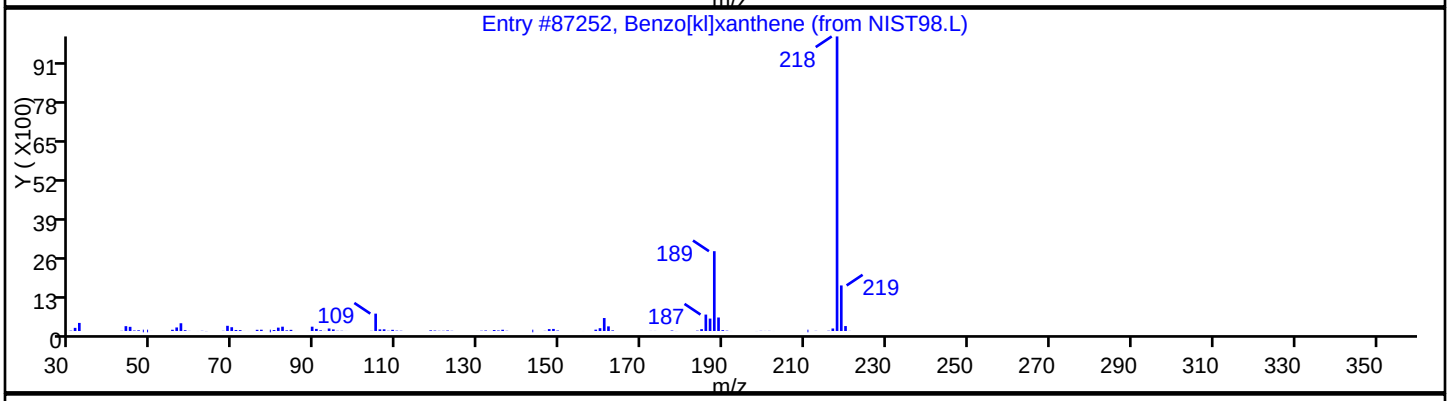
Sample Info: 360-24582-a-9-d 10X

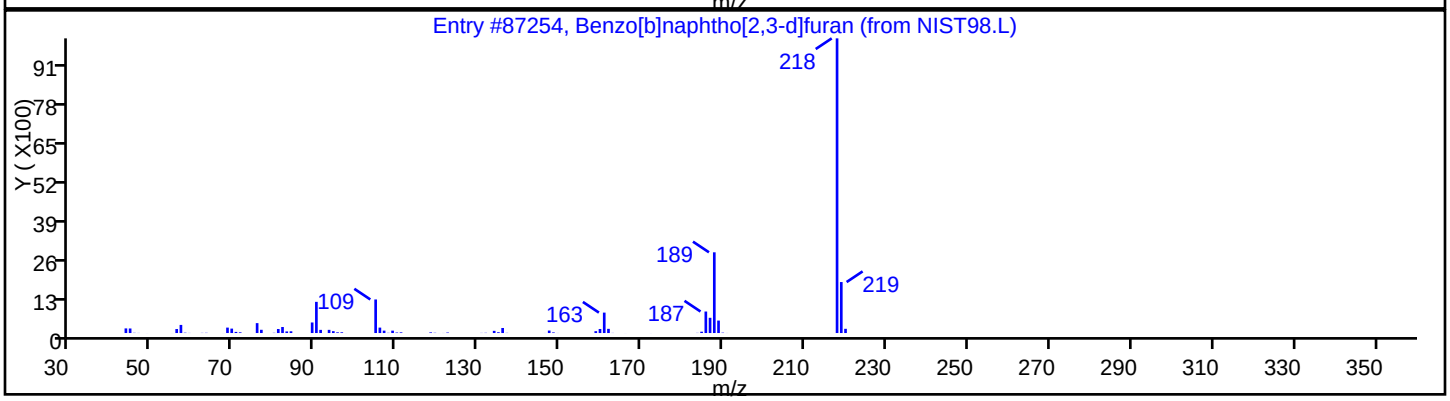
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[b]naphtho[2,1-d]furan	239-30-5	NIST98.L	87253	96
Benzo[kl]xanthene	200-23-7	NIST98.L	87252	96
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST98.L	87254	96









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

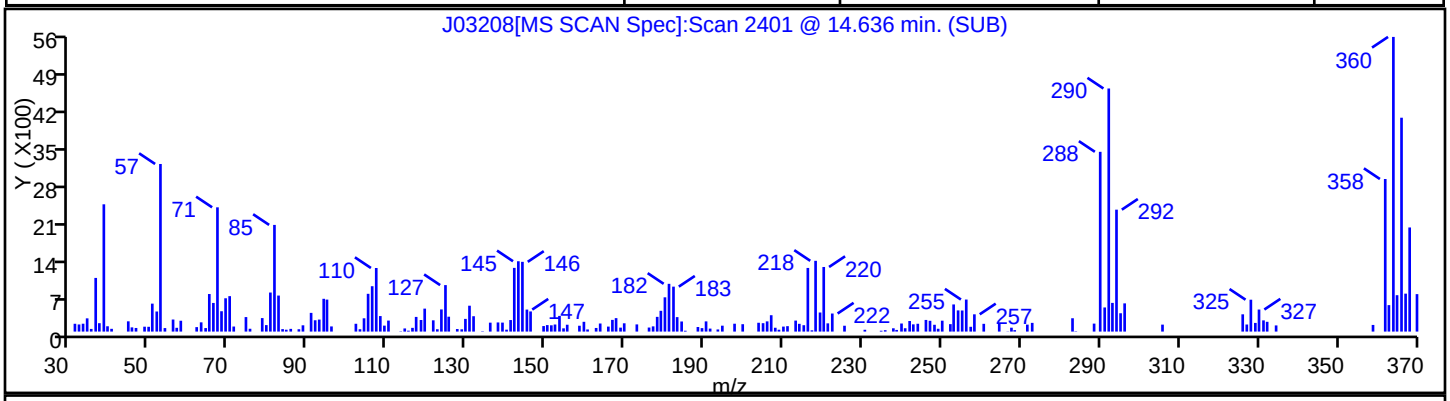
Lims Batch ID: 49648 Lims Sample ID: 27

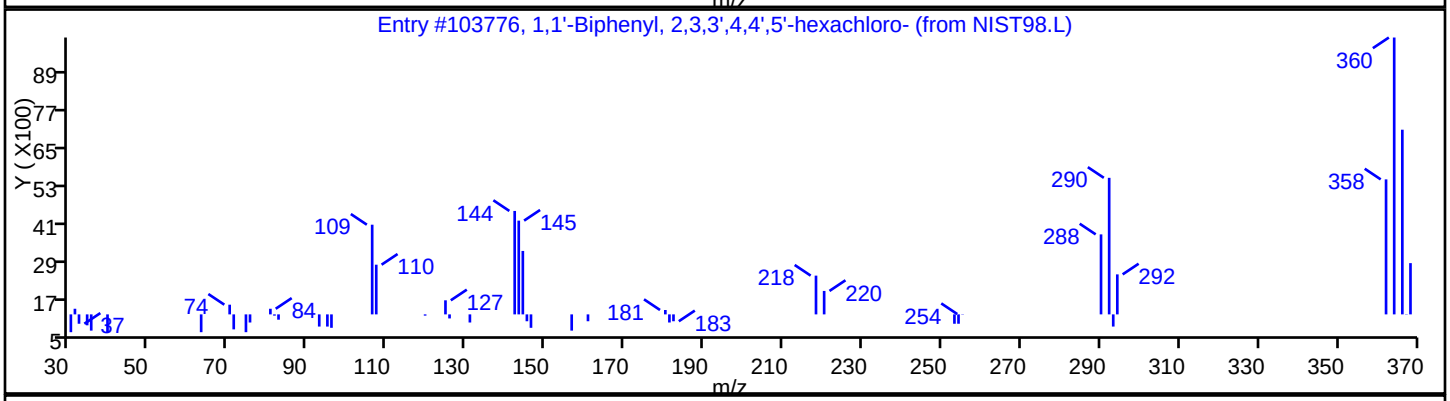
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

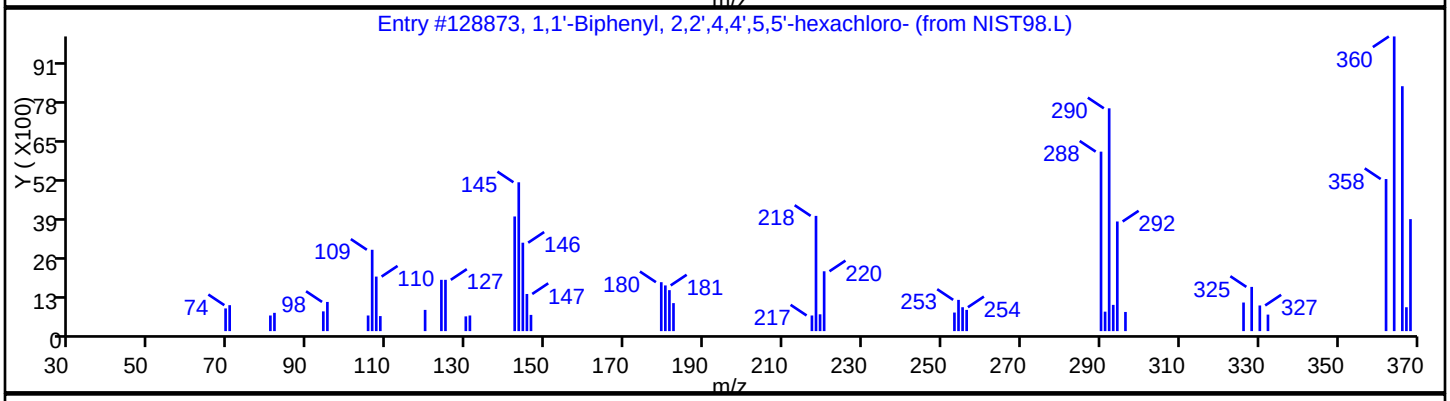
Sample Info: 360-24582-a-9-d 10X

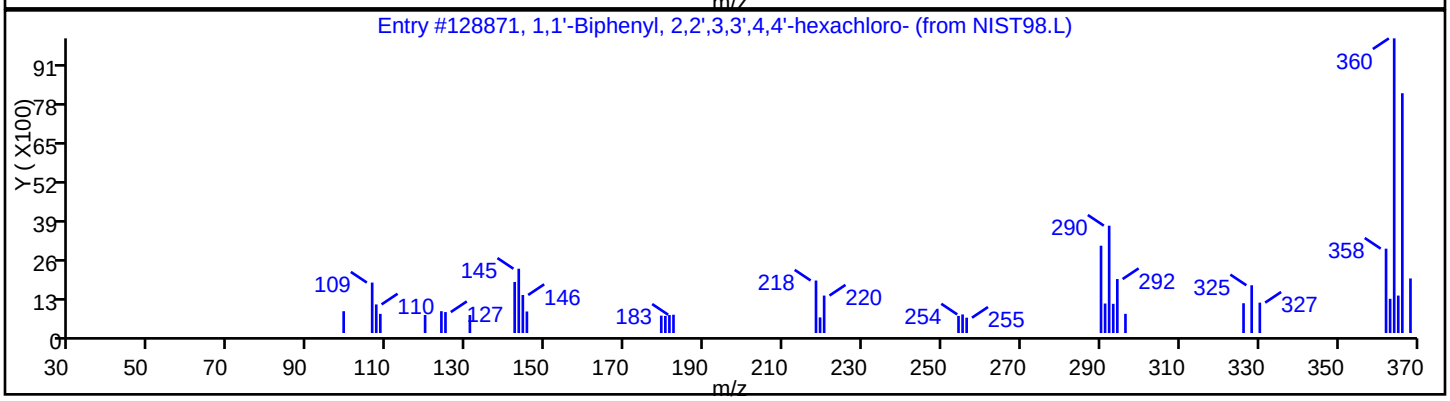
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,1'-Biphenyl, 2,3,3',4,4',5'-hexachloro	69782-90-7	NIST98.L	103776	93
1,1'-Biphenyl, 2,2',4,4',5,5'-hexachloro	35065-27-1	NIST98.L	128873	93
1,1'-Biphenyl, 2,2',3,3',4,4'-hexachloro	38380-7-3	NIST98.L	128871	83









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

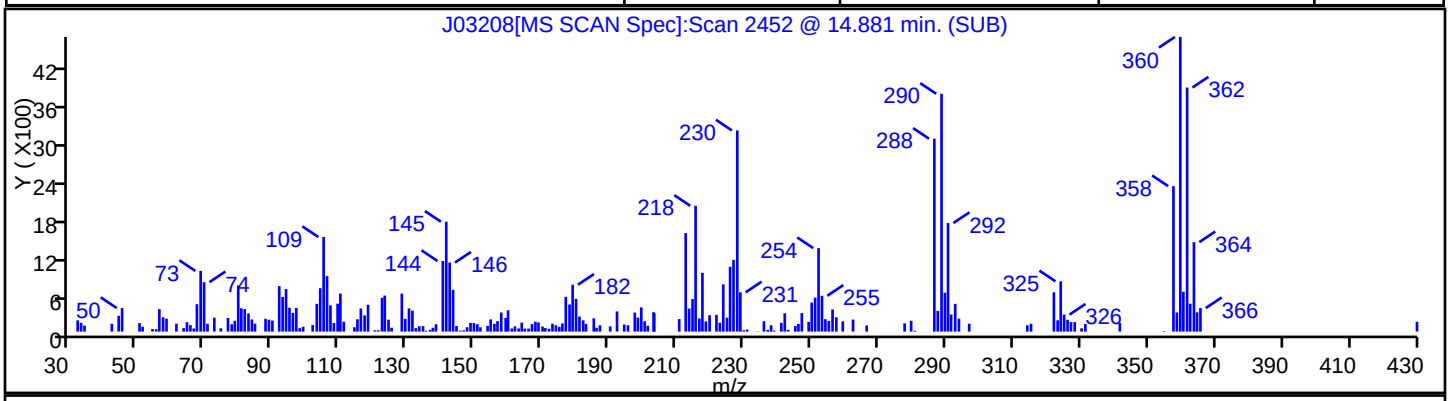
Lims Batch ID: 49648 Lims Sample ID: 27

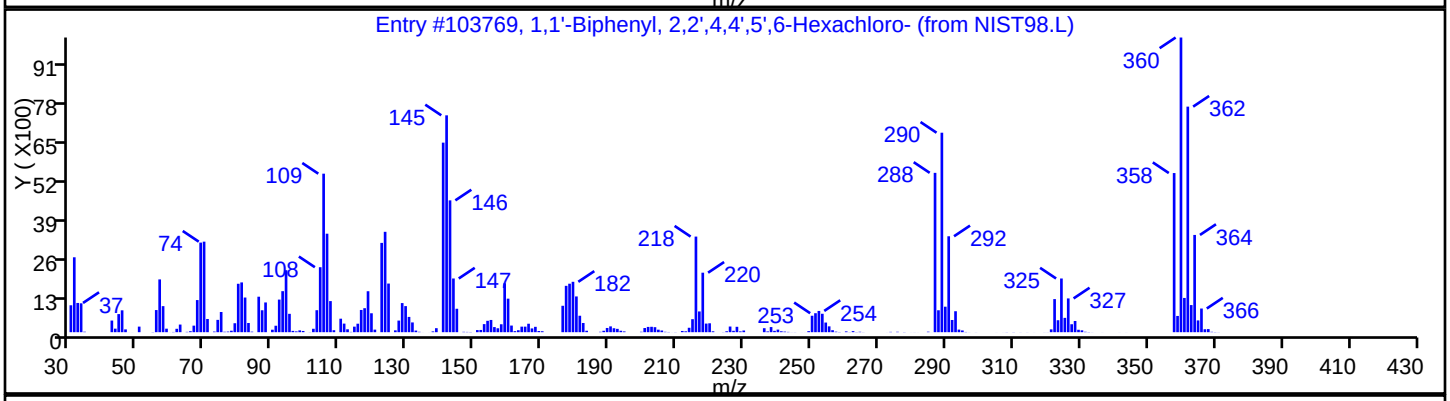
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

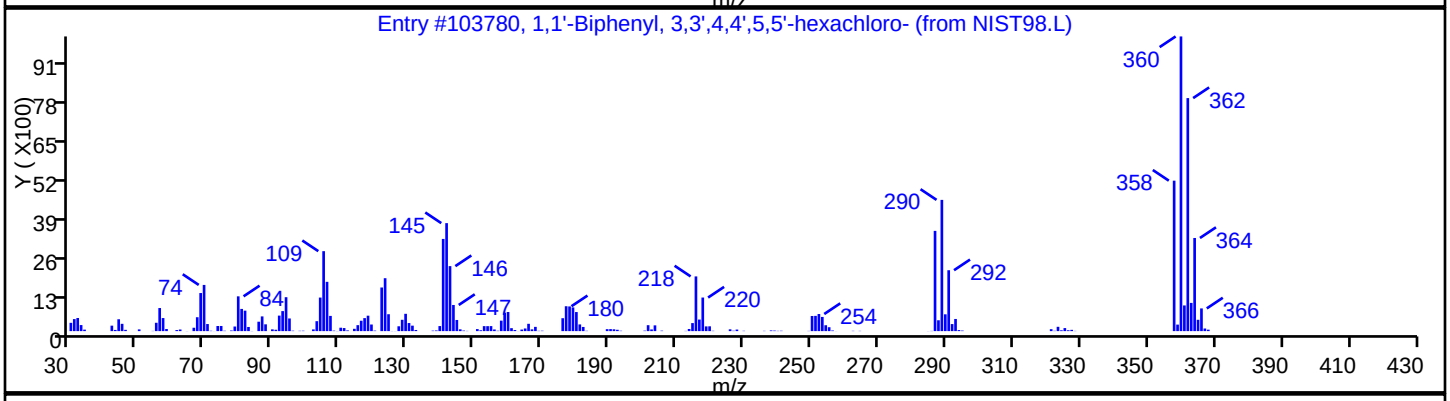
Sample Info: 360-24582-a-9-d 10X

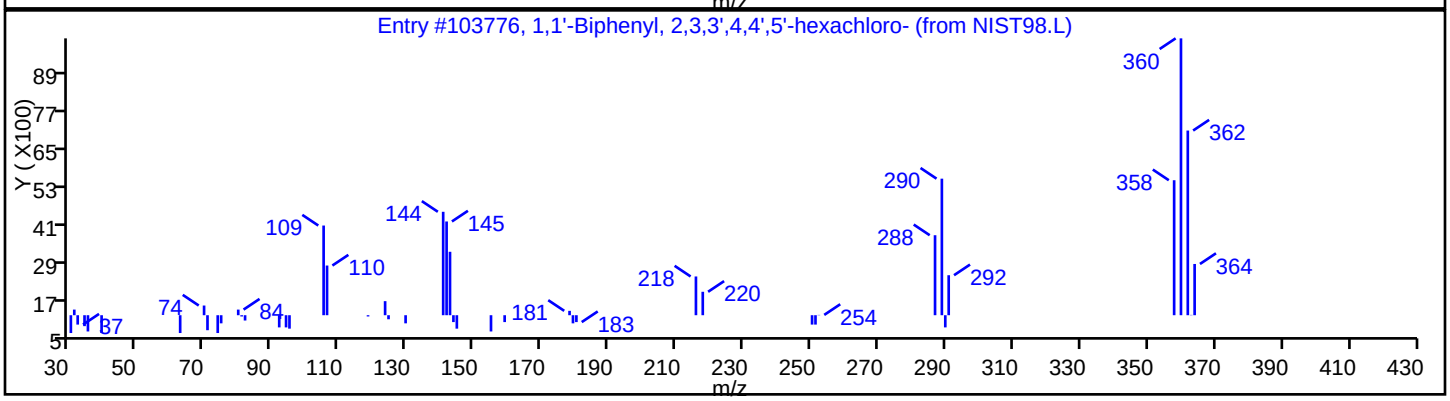
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,1'-Biphenyl, 2,2',4,4',5',6-Hexachloro	60145-22-4	NIST98.L	103769	95
1,1'-Biphenyl, 3,3',4,4',5,5'-hexachloro	32774-16-6	NIST98.L	103780	95
1,1'-Biphenyl, 2,3,3',4,4',5'-hexachloro	69782-90-7	NIST98.L	103776	91









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

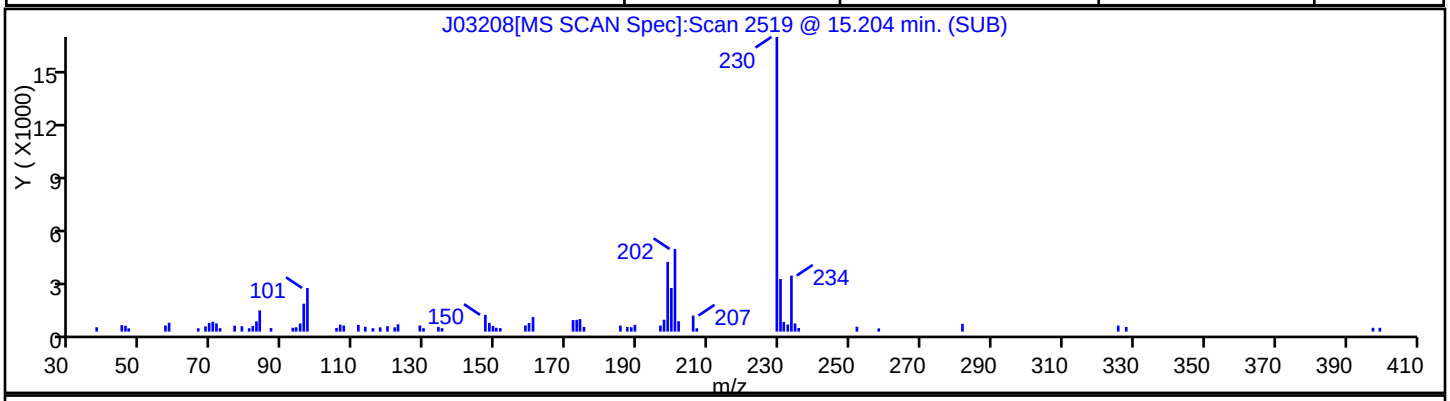
Lims Batch ID: 49648 Lims Sample ID: 27

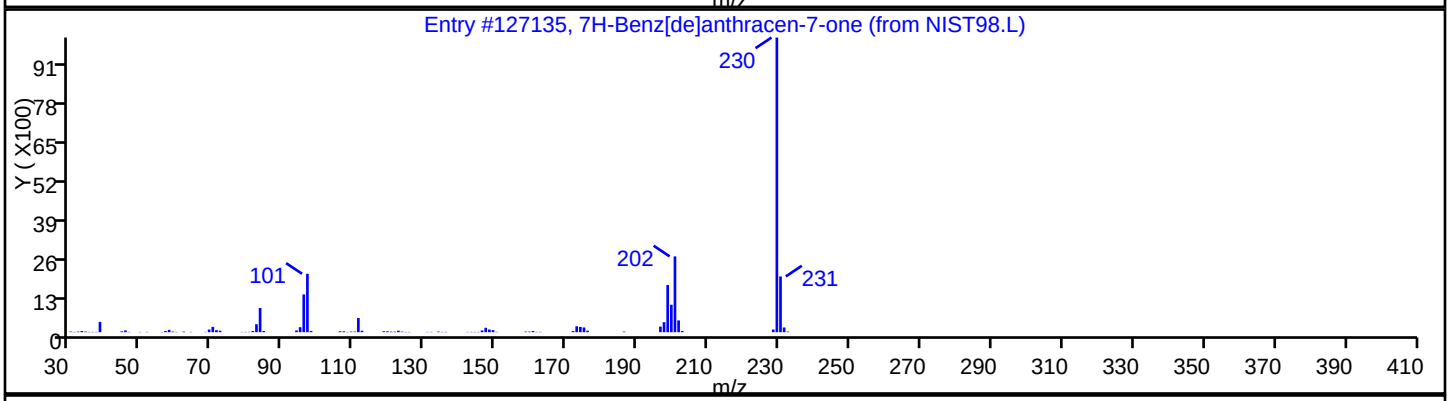
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

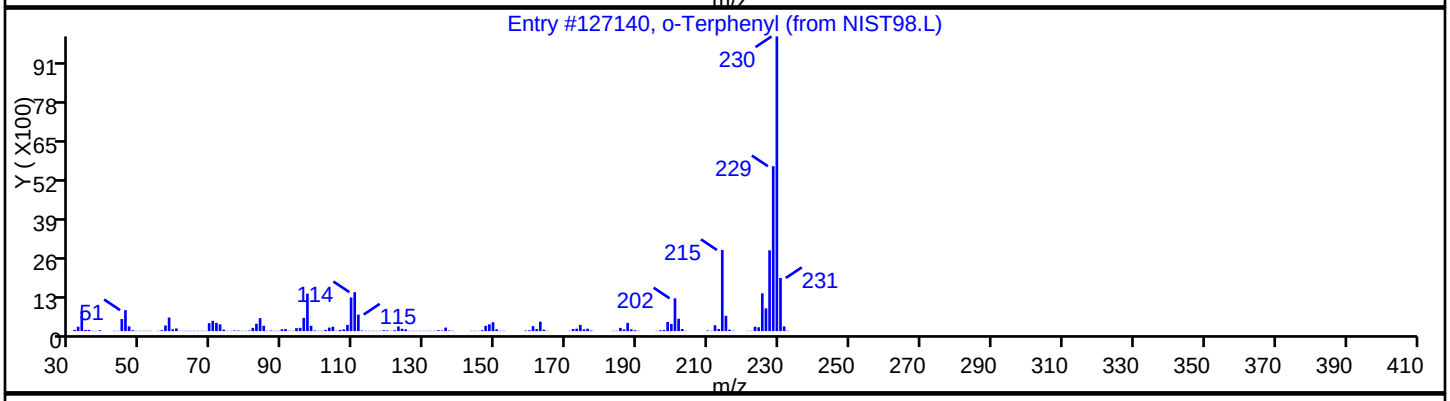
Sample Info: 360-24582-a-9-d 10X

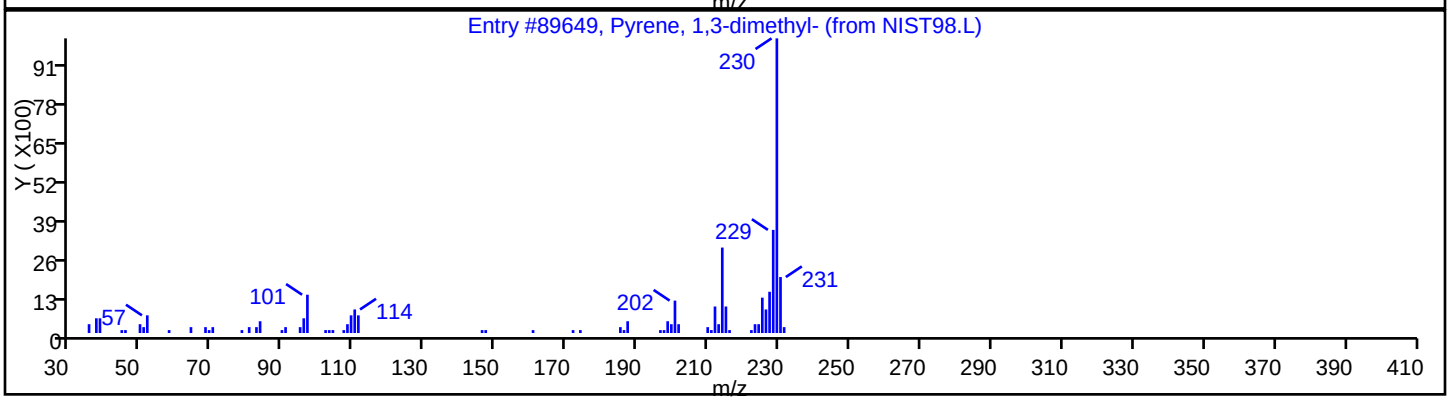
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
7H-Benz[de]anthracen-7-one	82-5-3	NIST98.L	127135	94
o-Terphenyl	84-15-1	NIST98.L	127140	53
Pyrene, 1,3-dimethyl-	64401-21-4	NIST98.L	89649	53









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

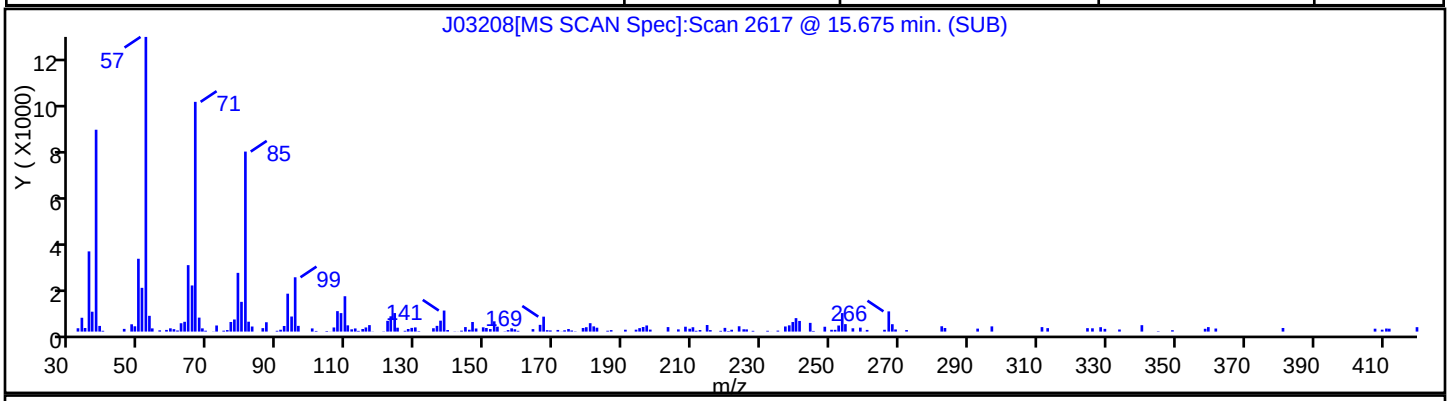
Lims Batch ID: 49648 Lims Sample ID: 27

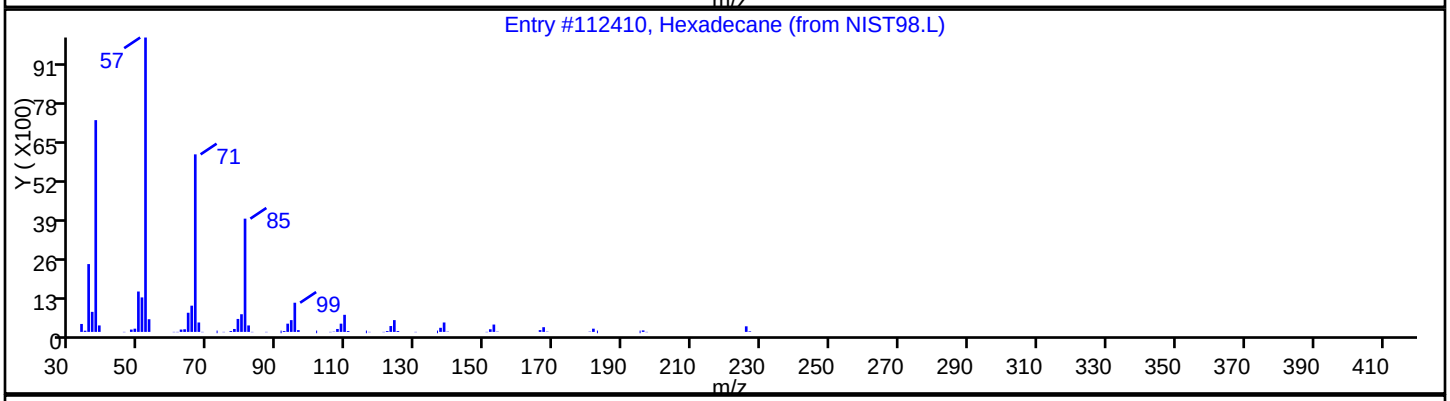
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

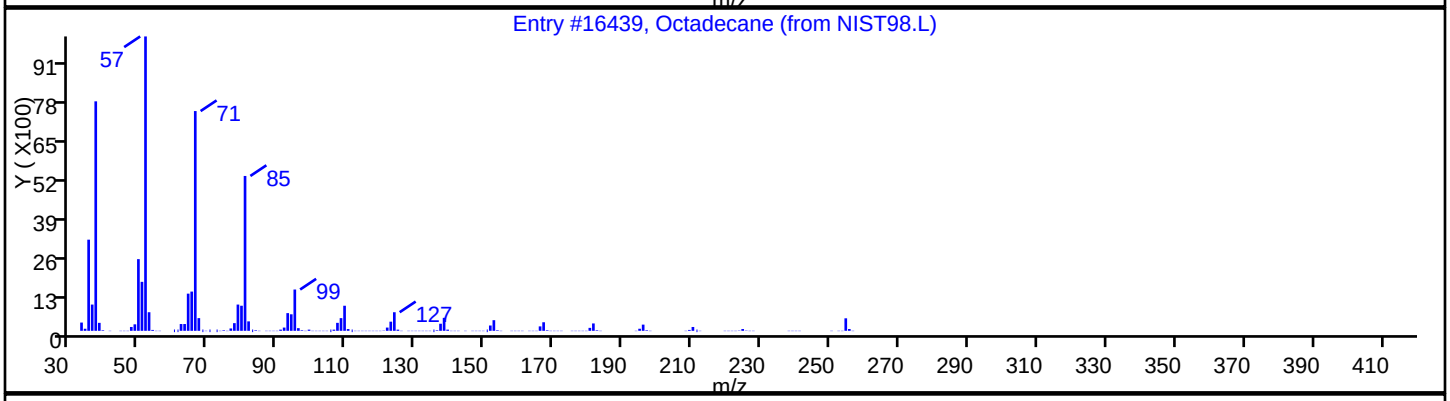
Sample Info: 360-24582-a-9-d 10X

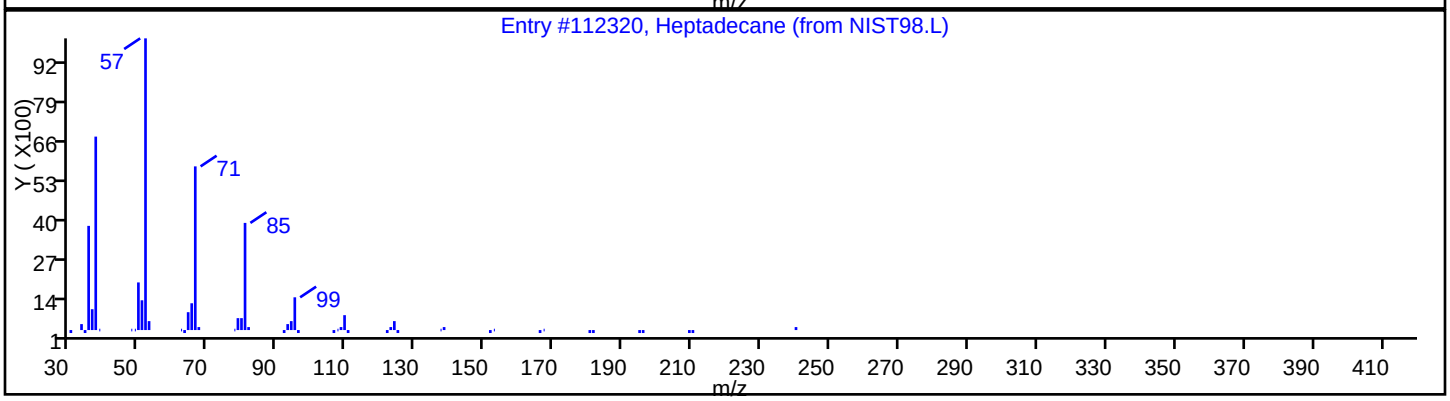
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	95
Octadecane	593-45-3	NIST98.L	16439	95
Heptadecane	629-78-7	NIST98.L	112320	95









Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D

Inj Date: 29-Sep-2009 03:49:30 Limit Group: SMS - 8270LL SVOA Calibration

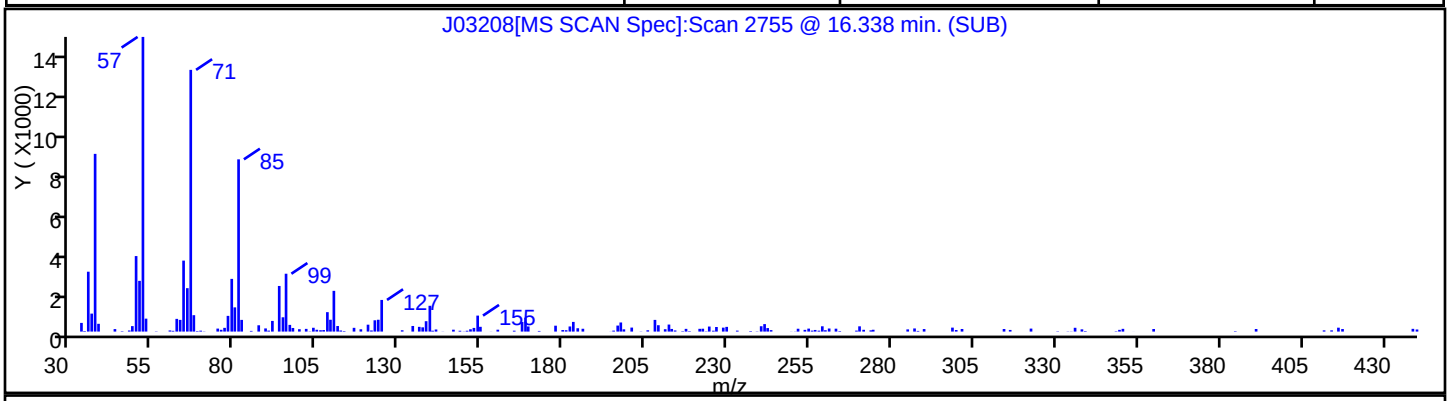
Lims Batch ID: 49648 Lims Sample ID: 27

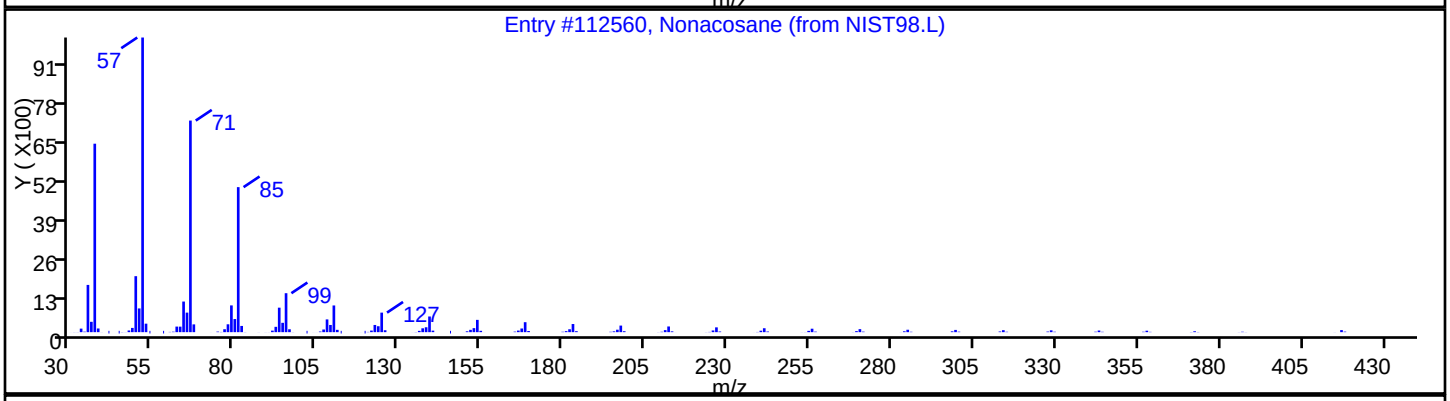
Client ID: OC-SS-404-0.0/1.0-XXX Instrument: Inst. J

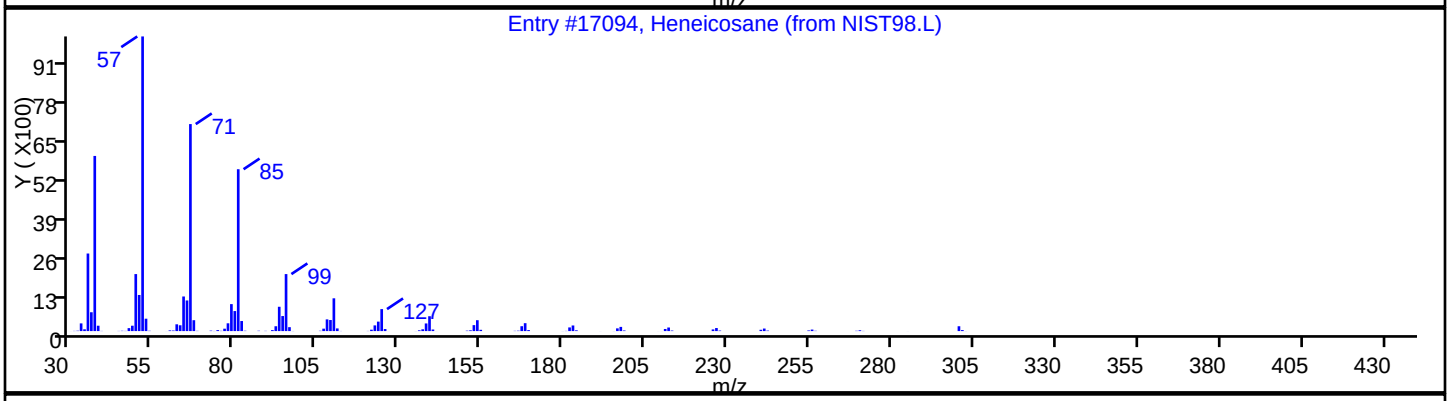
Sample Info: 360-24582-a-9-d 10X

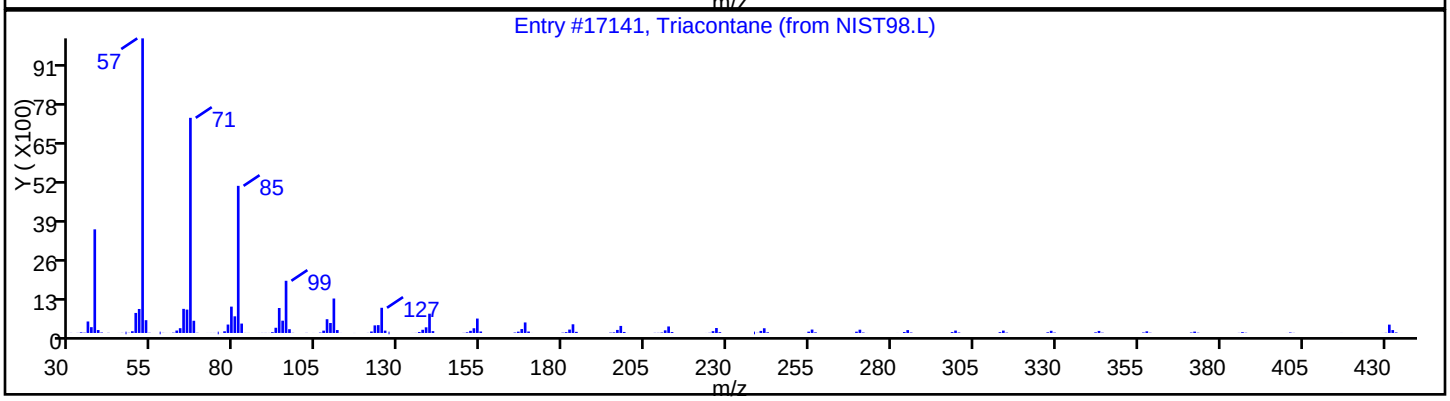
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	98
Heneicosane	629-94-7	NIST98.L	17094	91
Triacontane	638-68-6	NIST98.L	17141	91





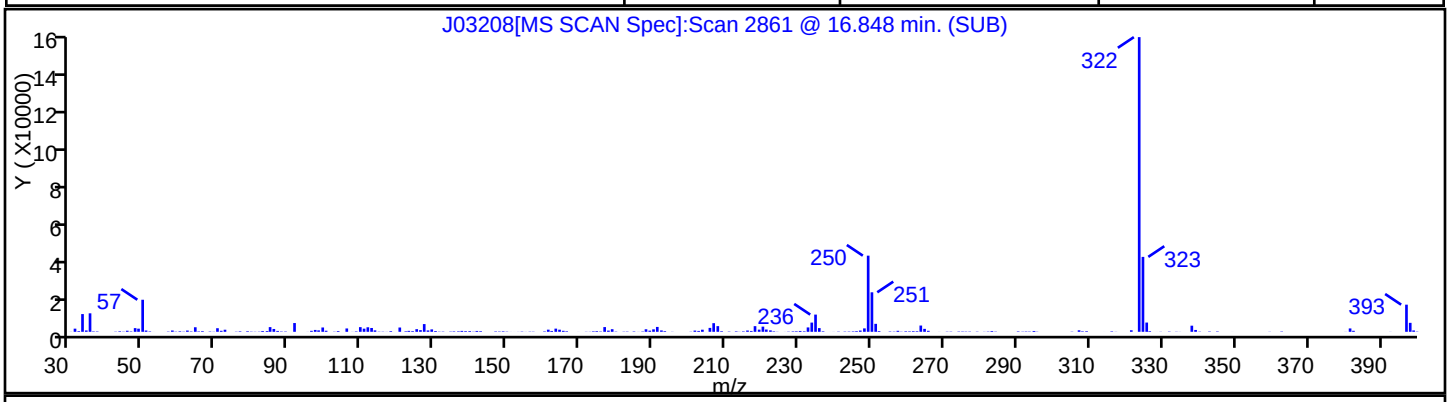


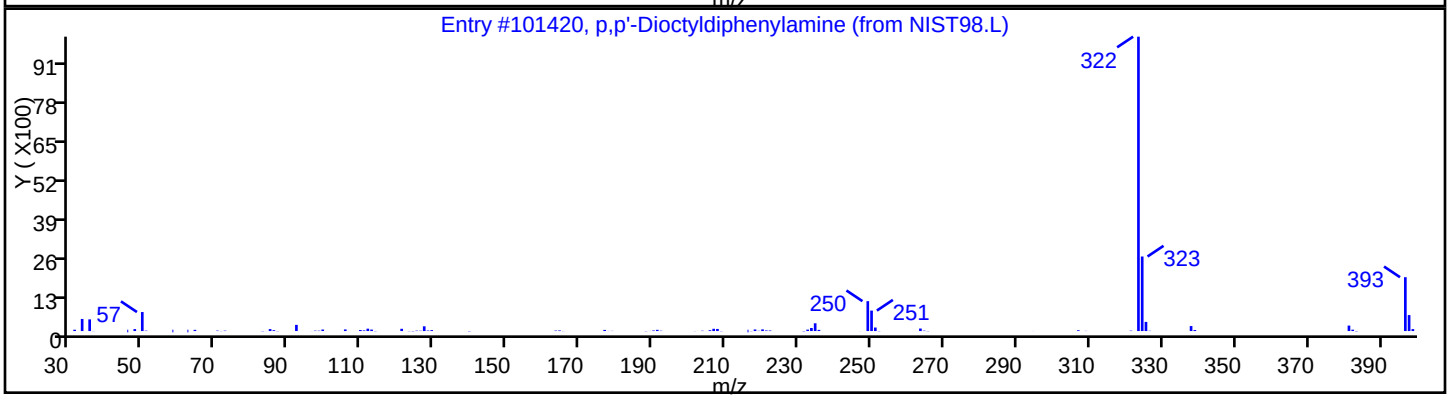


Report Date: 30-Sep-2009 09:03:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03208.D		
Inj Date:	29-Sep-2009 03:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	27
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-9-d 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	97





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: J03209.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.81(g) | Date Analyzed: 09/29/2009 04:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		350	100
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		350	100
120-82-1	1,2,4-Trichlorobenzene	ND		350	100
95-50-1	1,2-Dichlorobenzene	ND		350	100
541-73-1	1,3-Dichlorobenzene	ND		350	100
106-46-7	1,4-Dichlorobenzene	ND		350	100
90-12-0	1-Methylnaphthalene	ND		350	100
108-60-1	2,2'-oxybis[1-chloropropane]	ND		350	100
58-90-2	2,3,4,6-Tetrachlorophenol	ND		350	100
95-95-4	2,4,5-Trichlorophenol	ND		350	100
88-06-2	2,4,6-Trichlorophenol	ND		350	100
120-83-2	2,4-Dichlorophenol	ND	*	350	100
105-67-9	2,4-Dimethylphenol	ND		350	140
51-28-5	2,4-Dinitrophenol	ND		350	100
121-14-2	2,4-Dinitrotoluene	ND		350	100
606-20-2	2,6-Dinitrotoluene	ND		350	100
91-58-7	2-Chloronaphthalene	ND		350	100
95-57-8	2-Chlorophenol	ND		350	100
91-57-6	2-Methylnaphthalene	ND		350	100
95-48-7	2-Methylphenol	ND		350	210
88-74-4	2-Nitroaniline	ND		1700	100
88-75-5	2-Nitrophenol	ND		350	100
15831-10-4	3 & 4 Methylphenol	ND		350	100
91-94-1	3,3'-Dichlorobenzidine	ND		700	100
99-09-2	3-Nitroaniline	ND		1700	100
534-52-1	4,6-Dinitro-2-methylphenol	ND		1700	100
101-55-3	4-Bromophenyl phenyl ether	ND		350	100
59-50-7	4-Chloro-3-methylphenol	ND		700	100
106-47-8	4-Chloroaniline	ND		700	100
7005-72-3	4-Chlorophenyl phenyl ether	ND		350	100
100-01-6	4-Nitroaniline	ND		1700	100
100-02-7	4-Nitrophenol	ND		1700	100
83-32-9	Acenaphthene	ND		350	100
208-96-8	Acenaphthylene	ND		350	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: J03209.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.81(g) | Date Analyzed: 09/29/2009 04:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		350	100
62-53-3	Aniline	ND	*	350	100
120-12-7	Anthracene	ND		350	100
1912-24-9	Atrazine	ND		350	100
103-33-3	Azobenzene	ND		350	100
100-52-7	Benzaldehyde	ND		350	100
56-55-3	Benzo[a]anthracene	ND		350	100
50-32-8	Benzo[a]pyrene	ND		350	100
205-99-2	Benzo[b]fluoranthene	ND		350	100
191-24-2	Benzo[g,h,i]perylene	ND		350	100
207-08-9	Benzo[k]fluoranthene	ND		350	100
65-85-0	Benzoic acid	ND		1700	160
119-61-9	Benzophenone	ND		350	100
100-51-6	Benzyl alcohol	ND		700	300
111-91-1	Bis(2-chloroethoxy)methane	ND		350	100
111-44-4	Bis(2-chloroethyl)ether	ND		350	100
117-81-7	Bis(2-ethylhexyl) phthalate	580	B	350	100
85-68-7	Butyl benzyl phthalate	ND		350	100
105-60-2	Caprolactam	ND		350	100
86-74-8	Carbazole	ND		350	100
218-01-9	Chrysene	ND		350	100
53-70-3	Dibenz(a,h)anthracene	ND		350	100
132-64-9	Dibenzofuran	ND		350	100
84-66-2	Diethyl phthalate	ND		350	100
131-11-3	Dimethyl phthalate	ND		350	100
84-74-2	Di-n-butyl phthalate	ND		350	310
117-84-0	Di-n-octyl phthalate	ND		350	180
101-84-8	Diphenyl oxide	ND		350	100
206-44-0	Fluoranthene	ND		350	100
86-73-7	Fluorene	ND		350	100
118-74-1	Hexachlorobenzene	ND		350	100
87-68-3	Hexachlorobutadiene	ND		350	100
77-47-4	Hexachlorocyclopentadiene	ND		700	100
67-72-1	Hexachloroethane	ND		350	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: J03209.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.81(g) | Date Analyzed: 09/29/2009 04:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	350	100
78-59-1	Isophorone	ND		350	100
91-20-3	Naphthalene	ND		830	100
98-95-3	Nitrobenzene	ND		350	100
62-75-9	N-Nitrosodimethylamine	ND		350	120
621-64-7	N-Nitrosodi-n-propylamine	ND		350	100
86-30-6	N-Nitrosodiphenylamine	ND		350	100
87-86-5	Pentachlorophenol	ND		350	100
85-01-8	Phenanthrene	ND		420	100
108-95-2	Phenol	ND		350	100
129-00-0	Pyrene	ND		350	100

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	80	30-130	
321-60-8	2-Fluorobiphenyl	78	30-130	
367-12-4	2-Fluorophenol	79	30-130	
4165-60-0	Nitrobenzene-d5	74	30-130	
4165-62-2	Phenol-d5	81	30-130	
1718-51-0	Terphenyl-d14	99	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-405-0.0/1.0-XXX | Lab Sample ID: 360-24582-10

Matrix: Solid | Lab File ID: J03209.D

Analysis Method: 8270C LL | Date Collected: 09/14/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.81(g) | Date Analyzed: 09/29/2009 04:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 7620

CAS NO.	COMPOUND NAME	RT	RESULT	Q
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	200	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.72	150	T J N
112-95-8	Eicosane	14.64	120	T J N
629-99-2	Pentacosane	14.99	160	T J N
593-45-3	Octadecane	15.68	250	T J N
544-85-4	Dotriacontane	16.00	150	T J N
630-4-6	Hentriacontane	16.34	590	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.85	3600	T J N
14021-23-9	D-Friedoolean-14-ene, 3-methoxy-, (3.bet	18.63	2400	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Lims ID:	360-24582-A-10-C	Client ID:	OC-SS-405-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 04:22:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-10-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	49648	Lims Sample ID:	28
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:07:25	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:07:25

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.036	8.036	0.000	62242	2.00	
* 2 Naphthalene-d8	136	9.349	9.349	0.000	153777	2.00	
* 3 Acenaphthene-d10	164	11.133	11.133	0.000	80993	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	138714	2.00	
* 5 Chrysene-d12	240	15.379	15.379	0.000	76140	2.00	
* 6 Perylene-d12	264	17.014	17.014	0.000	43043	2.00	
$ 7 2-Fluorophenol	112	6.689	6.685	0.004	14474	0.7863	
$ 8 Phenol-d5	99	7.685	7.680	0.005	17661	0.8108	
$ 9 Nitrobenzene-d5	82	8.637	8.637	0.000	7980	0.3695	
$ 10 2-Fluorobiphenyl	172	10.426	10.426	0.000	18302	0.3907	
$ 11 2,4,6-Tribromophenol	330	11.936	11.936	0.000	3943	0.8029	
$ 12 Terphenyl-d14	244	14.201	14.201	0.000	13614	0.4969	
17 Benzaldehyde	105	7.603	7.599	0.004	586	0.0515	
18 Phenol	94	7.699	7.695	0.004	571	0.0244	
30 Acetophenone	105	8.469	8.469	0.000	1893	0.0742	
80 Phenanthrene	178	12.643	12.643	0.000	3605	0.0630	
84 Di-n-butyl phthalate	149	13.152	13.153	-0.001	3477	0.0480	
87 Fluoranthene	202	13.850	13.850	0.000	6739	0.1175	
85 Pyrene	202	14.090	14.091	-0.001	5516	0.1231	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.283	0.000	45506	1.68	
93 Benzo[a]anthracene	228	15.355	15.355	0.000	1903	0.0619	
94 Chrysene	228	15.403	15.408	-0.005	2586	0.0843	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Lims ID:	360-24582-A-10-C	Client ID:	OC-SS-405-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 04:22:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-10-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	49648	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:07:25	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:07:25

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	11.768	1225	0.0327	
1,2-Diphenylhydrazine	11.816	1187	0.0251	
Benzidine	13.941	100	0.8850	
1,4-Dioxane	3.953	137	0.1432	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-					
11.623	46563	0.2097	3	95	61171	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.244	109217	0.5834	4	96	87885	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
12.724	78393	0.4188	4	96	64461	
112-61-8	Octadecanoic acid, methyl ester					
13.677	38692	0.2067	4	95	28371	
593-45-3	Octadecane					
14.287	37694	0.3335	5	98	16439	
112-95-8	Eicosane					
14.643	39415	0.3488	5	94	16454	
629-99-2	Pentacosane					
14.994	52689	0.4662	5	95	17109	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
593-45-3		Octadecane				
15.677	81277	0.7192	5	94	16439	
544-85-4		Dotriacontane				
16.004	47900	0.4238	5	91	112351	
630-4-6		Hentriacontane				
16.336	93204	1.69	6	91	112561	
26603-23-6		p,p'-Dioctyldiphenylamine				
16.846	565350	10.3	6	97	101420	
14021-23-9		D-Friedoolean-14-ene, 3-methoxy-, (3.bet				
18.625	381165	6.92	6	98	126358	

Quantitation Compounds

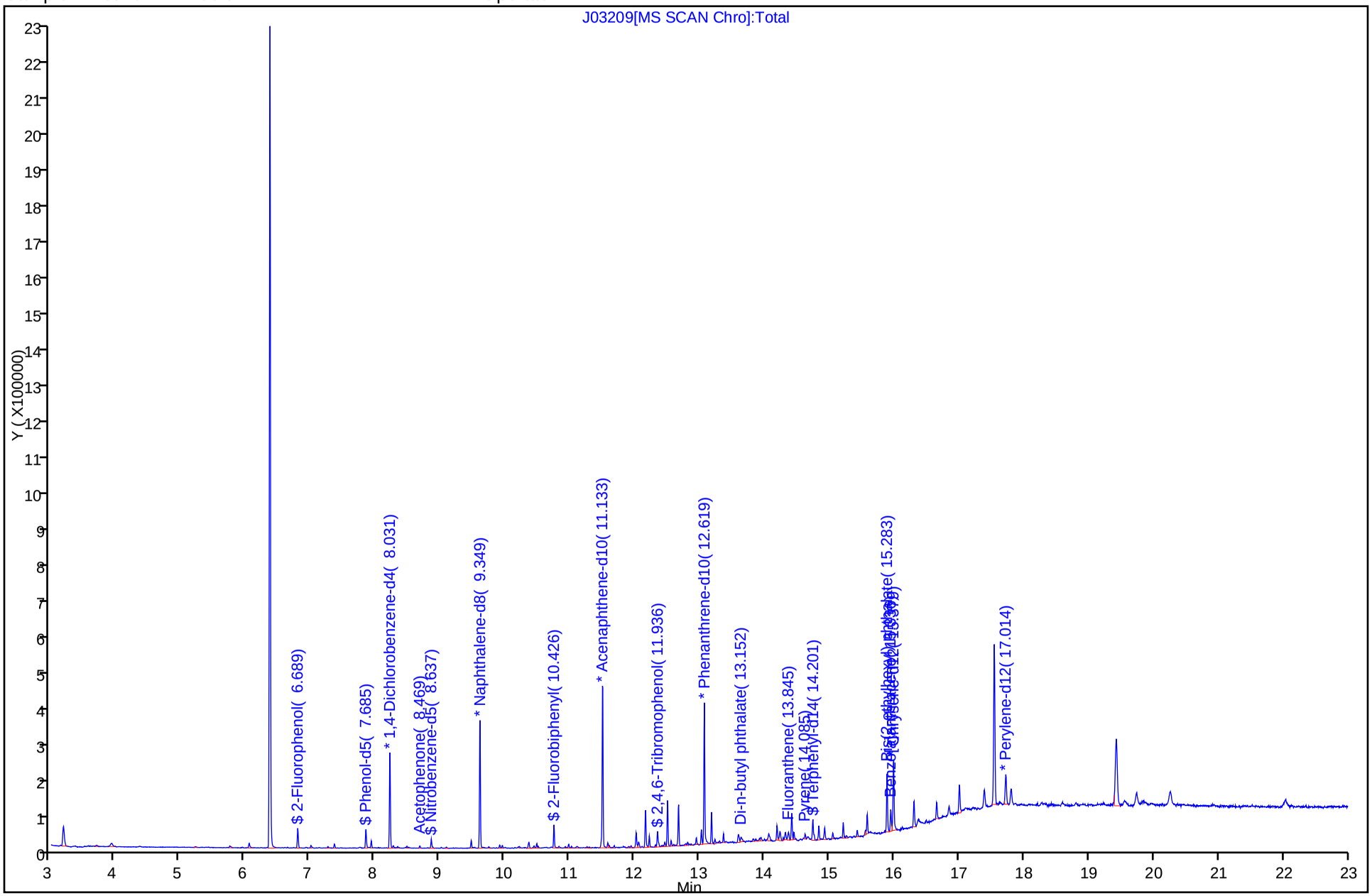
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	11.133	444174	2.00
* 4 Phenanthrene-d10	12.619	374404	2.00
* 5 Chrysene-d12	15.379	226033	2.00
* 6 Perylene-d12	17.014	110215	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:07:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

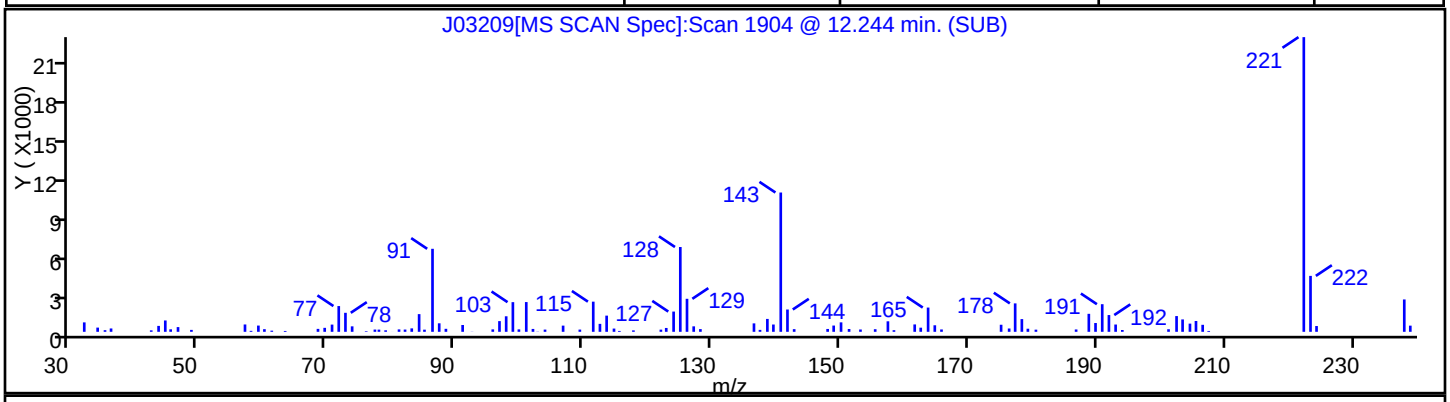
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Inj Date:	29-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	28
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-10-c 10X		
Sample Amount:	1.00 ul	Operator:	

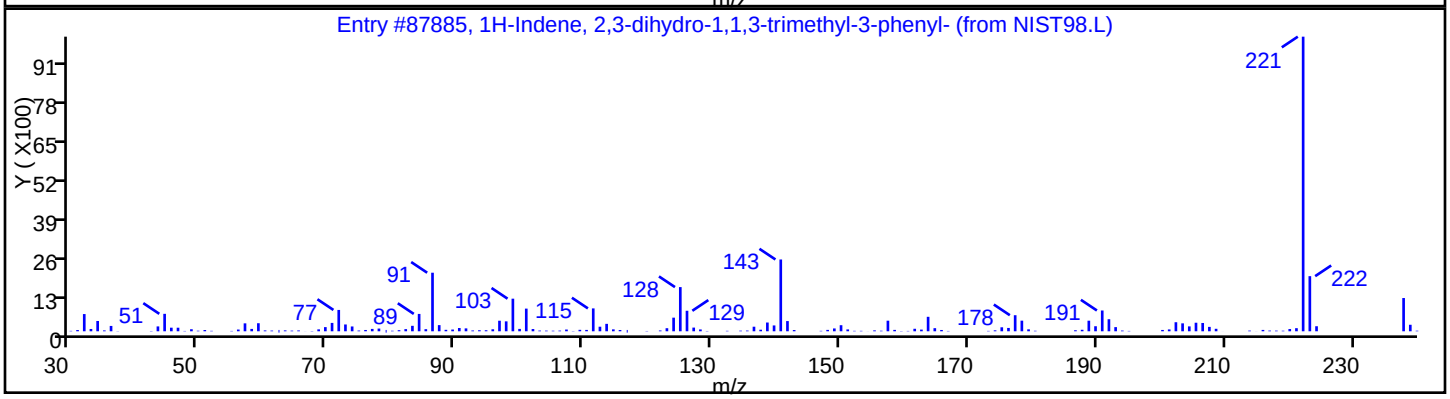


Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Inj Date:	29-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	28
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-10-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	96

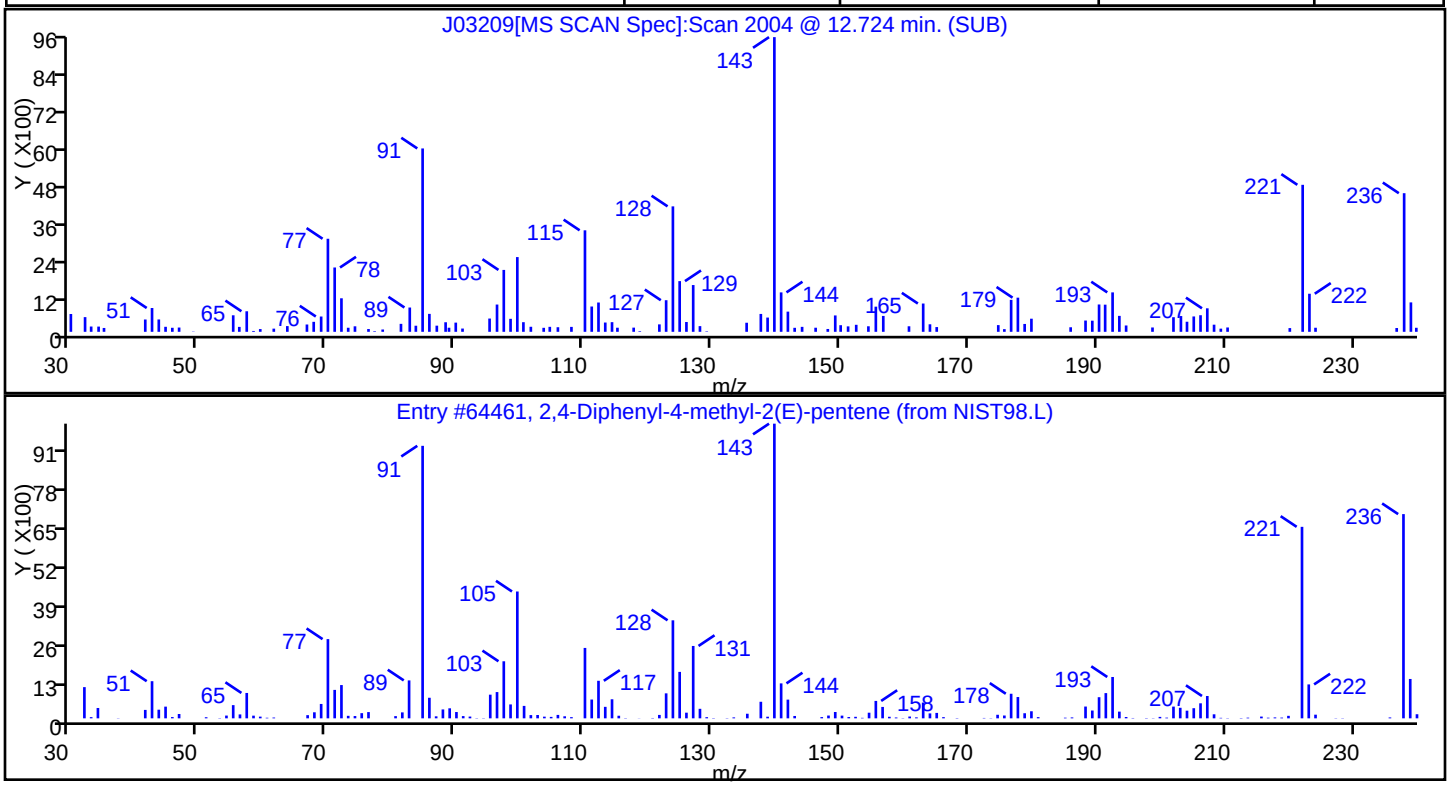




Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Inj Date:	29-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	28
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-10-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	96



Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

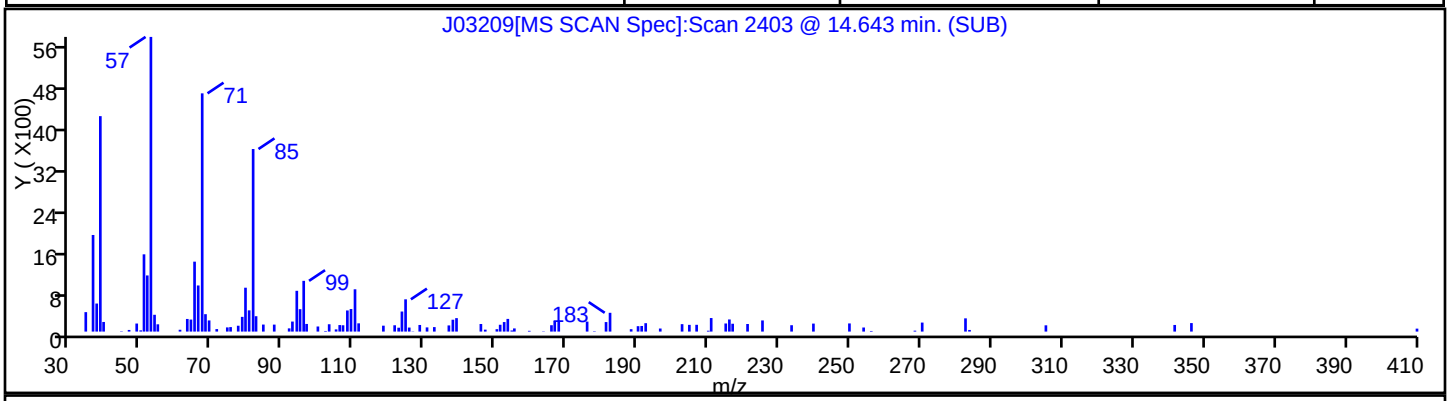
Lims Batch ID: 49648 Lims Sample ID: 28

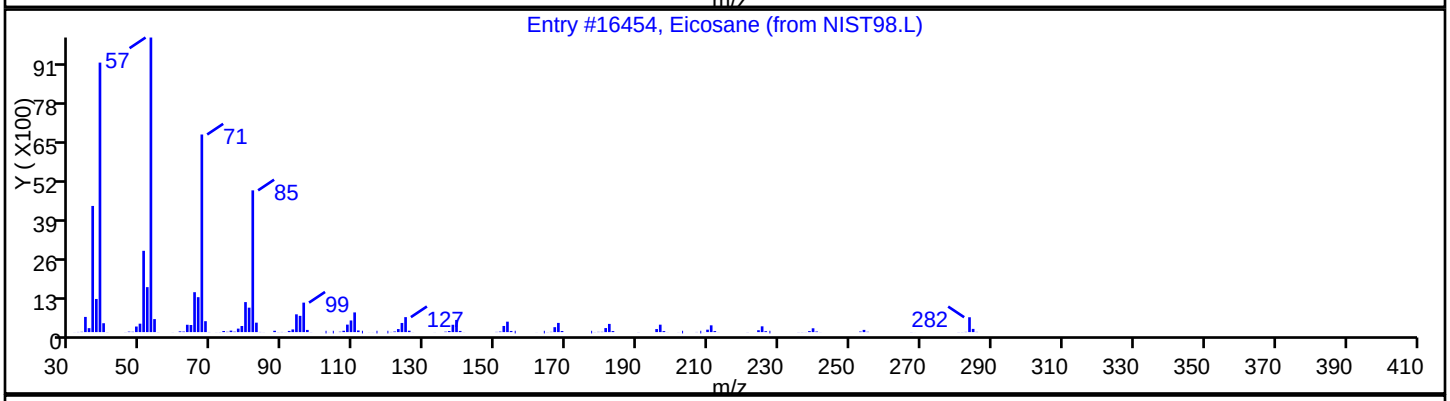
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

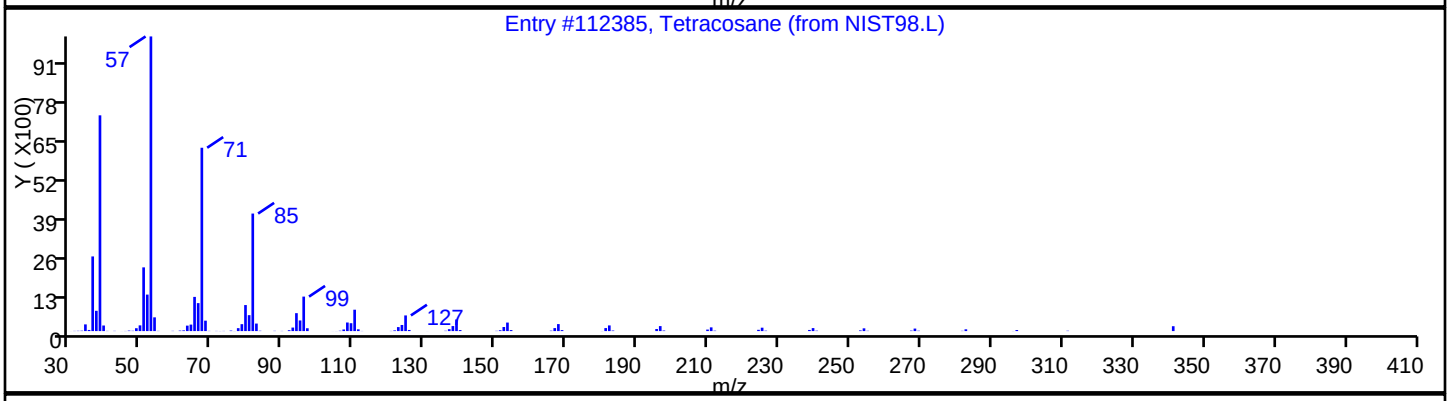
Sample Info: 360-24582-a-10-c 10X

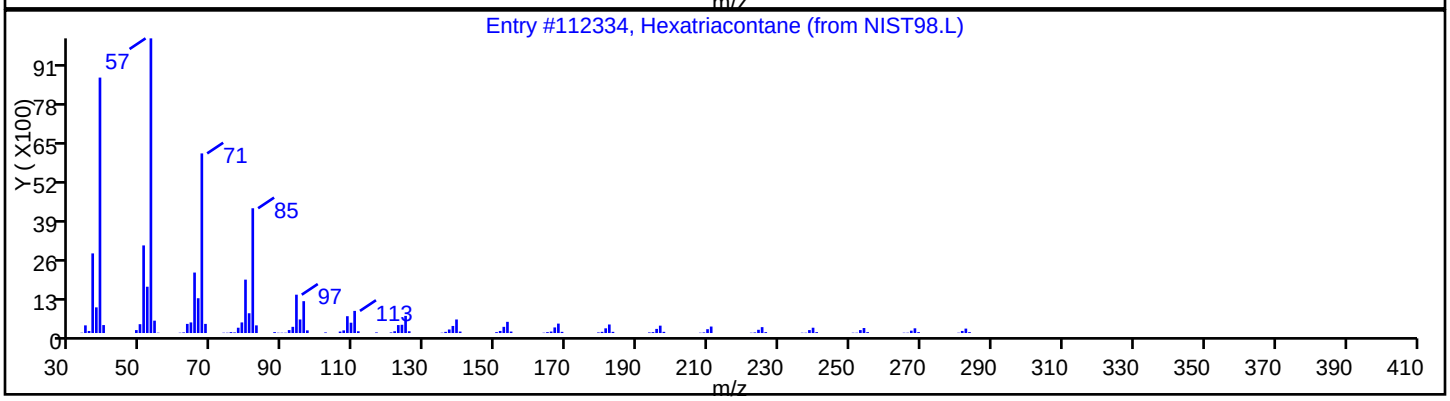
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	16454	94
Tetracosane	646-31-1	NIST98.L	112385	91
Hexatriacontane	630-6-8	NIST98.L	112334	91









Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

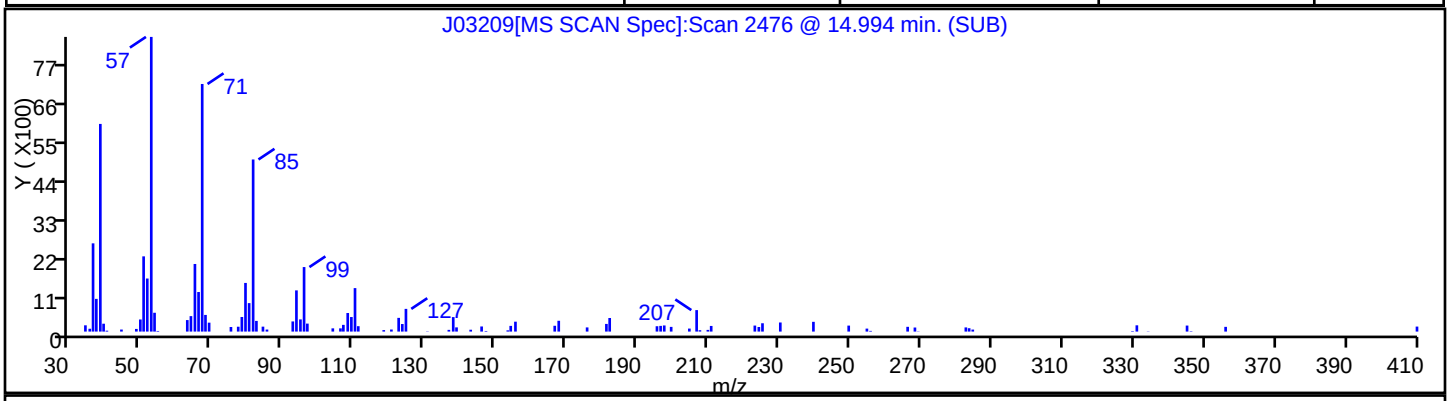
Lims Batch ID: 49648 Lims Sample ID: 28

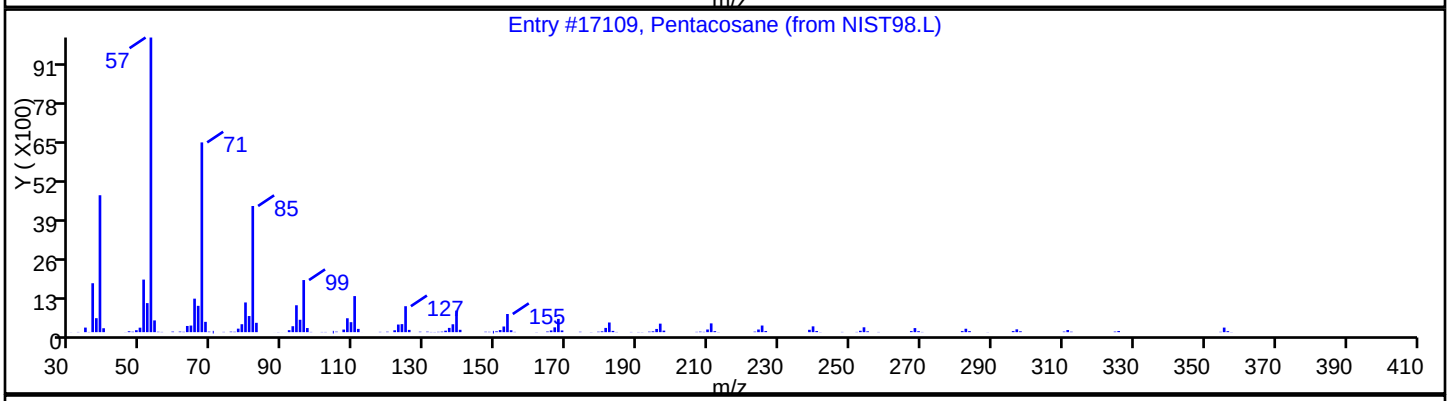
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

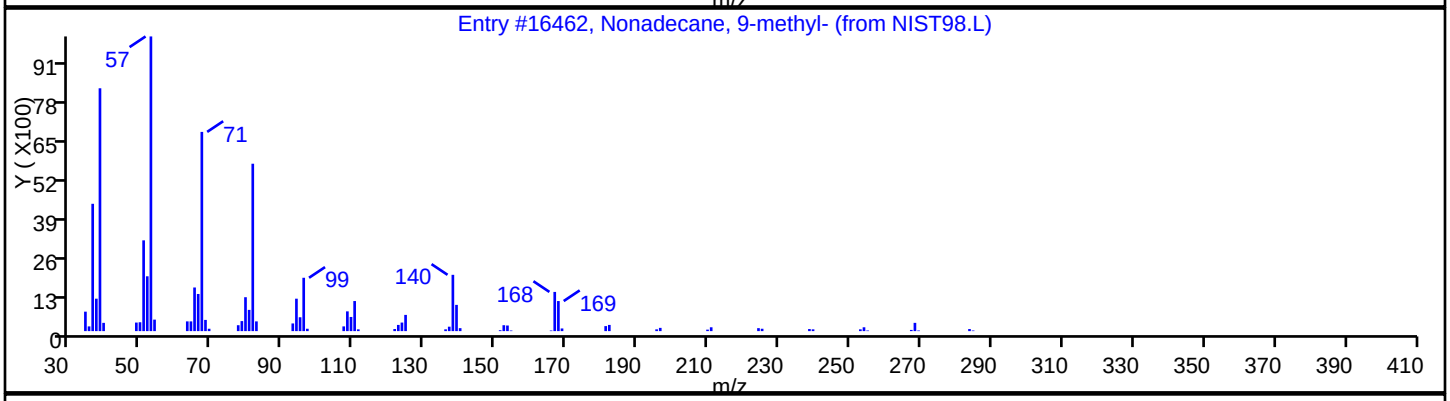
Sample Info: 360-24582-a-10-c 10X

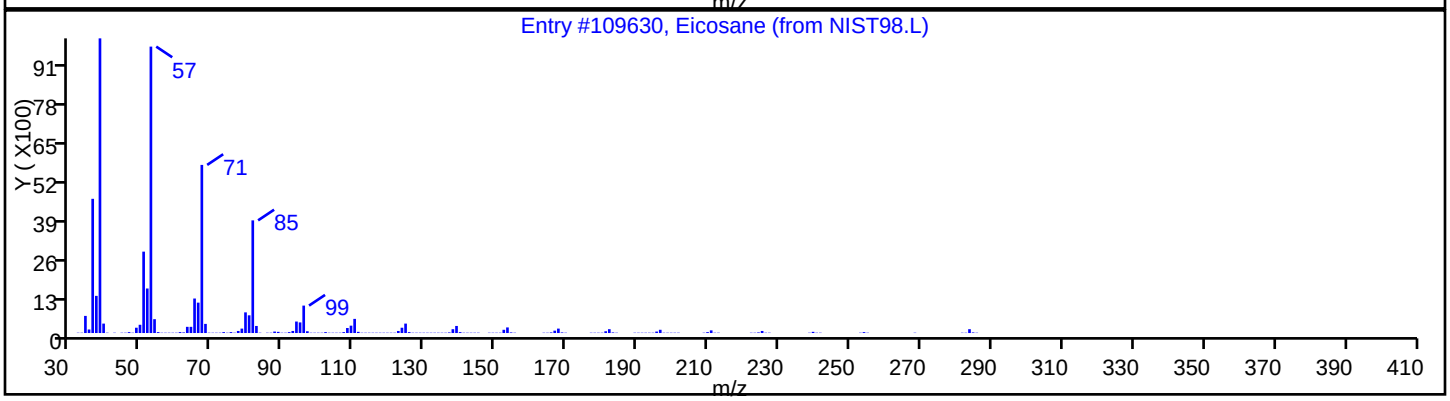
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	95
Nonadecane, 9-methyl-	13287-24-6	NIST98.L	16462	94
Eicosane	112-95-8	NIST98.L	109630	91









Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

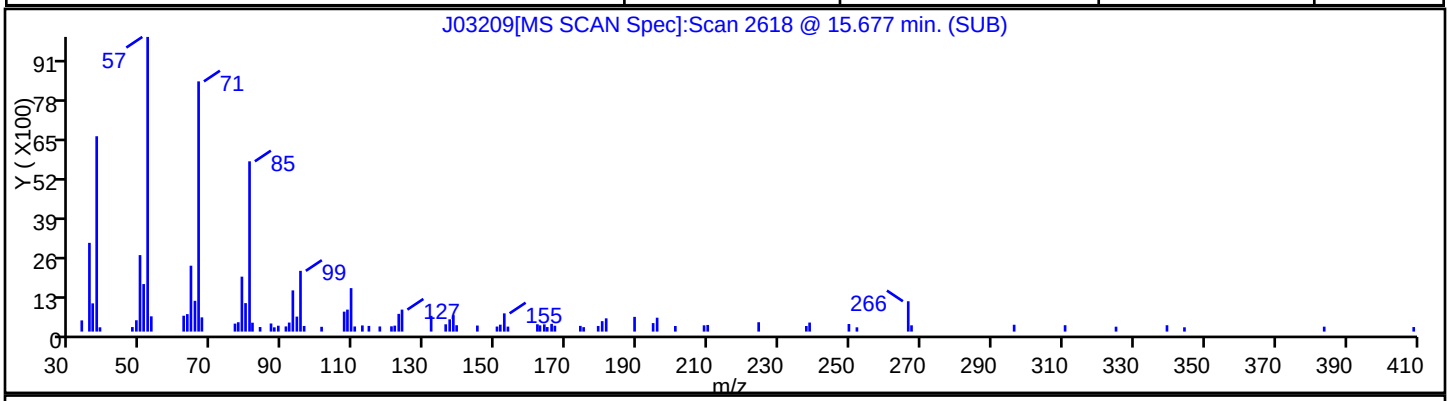
Lims Batch ID: 49648 Lims Sample ID: 28

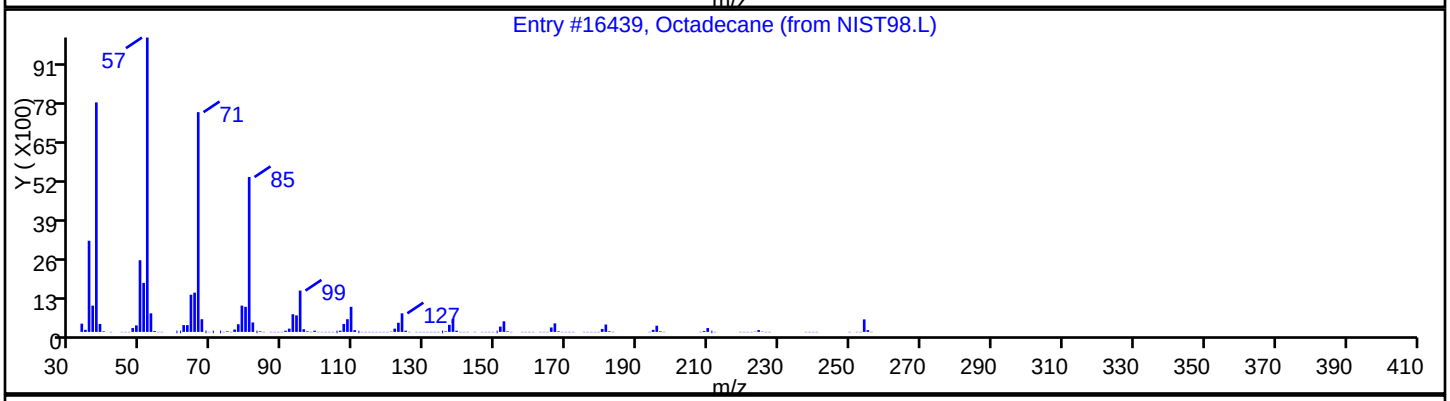
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

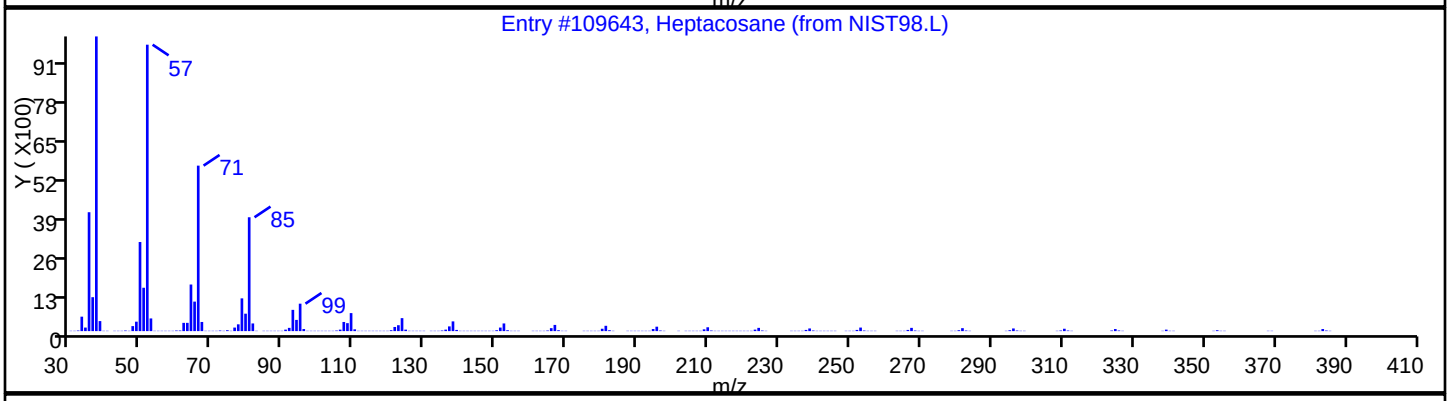
Sample Info: 360-24582-a-10-c 10X

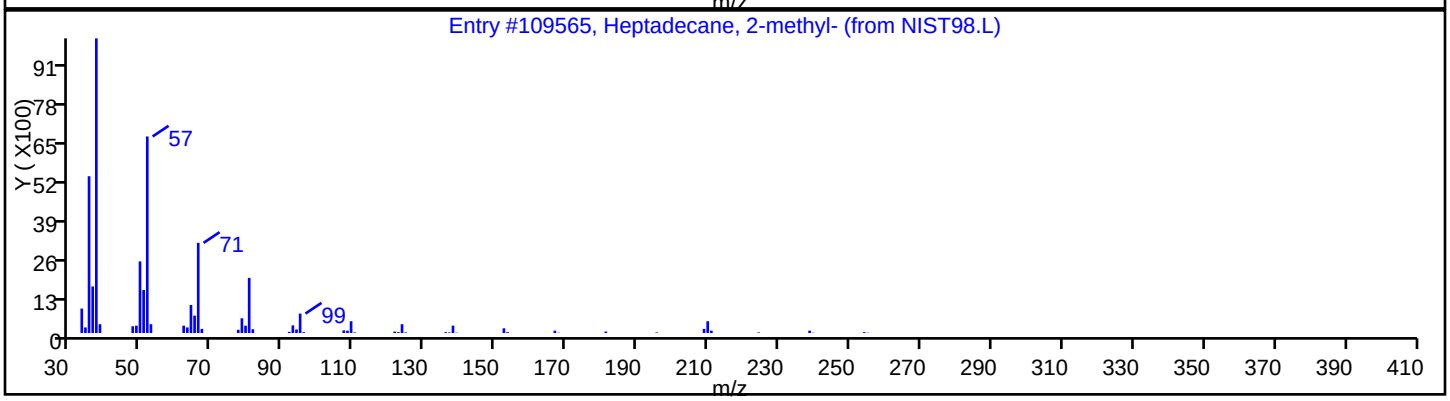
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	94
Heptacosane	593-49-7	NIST98.L	109643	90
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109565	87









Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

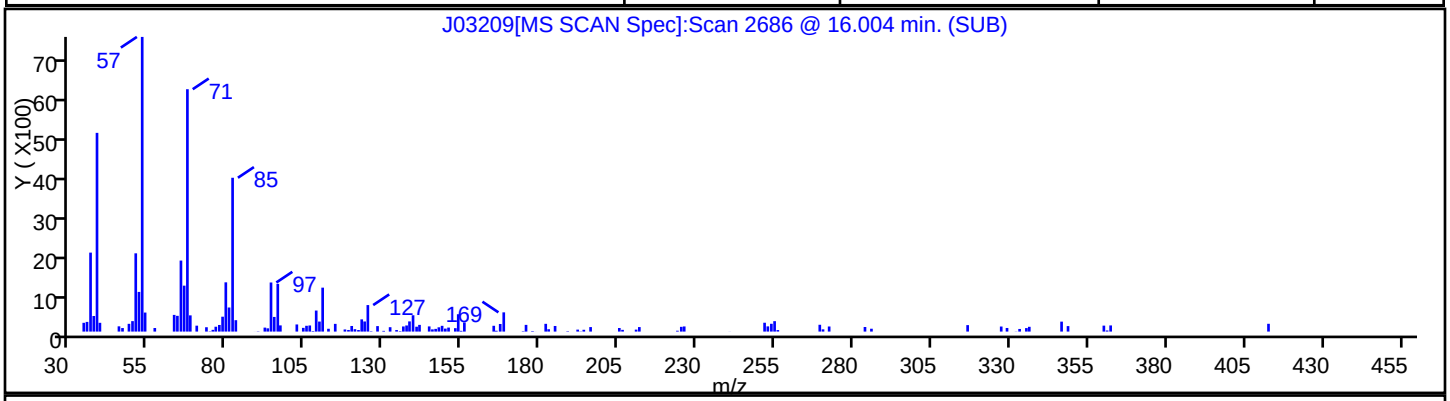
Lims Batch ID: 49648 Lims Sample ID: 28

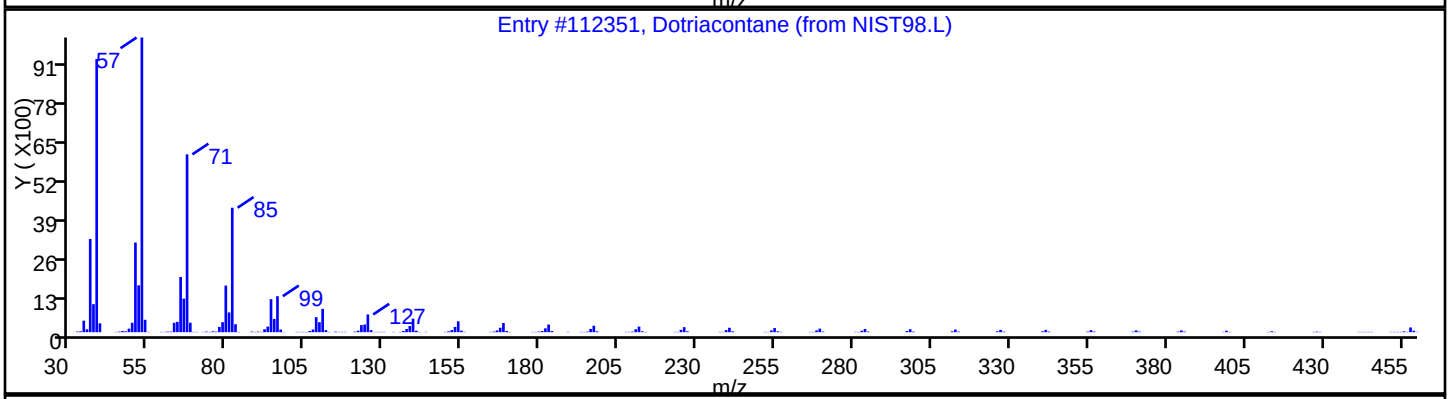
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

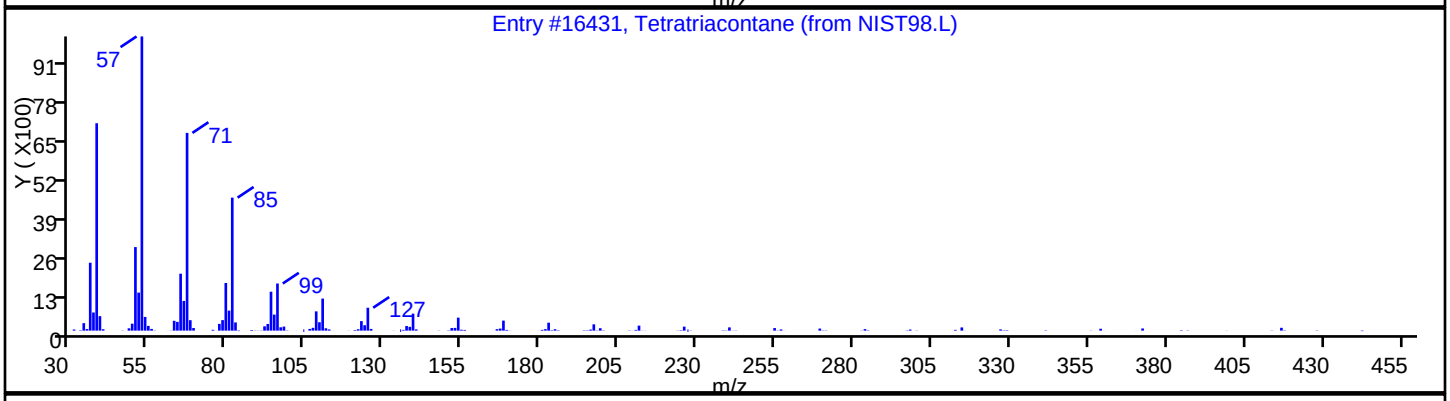
Sample Info: 360-24582-a-10-c 10X

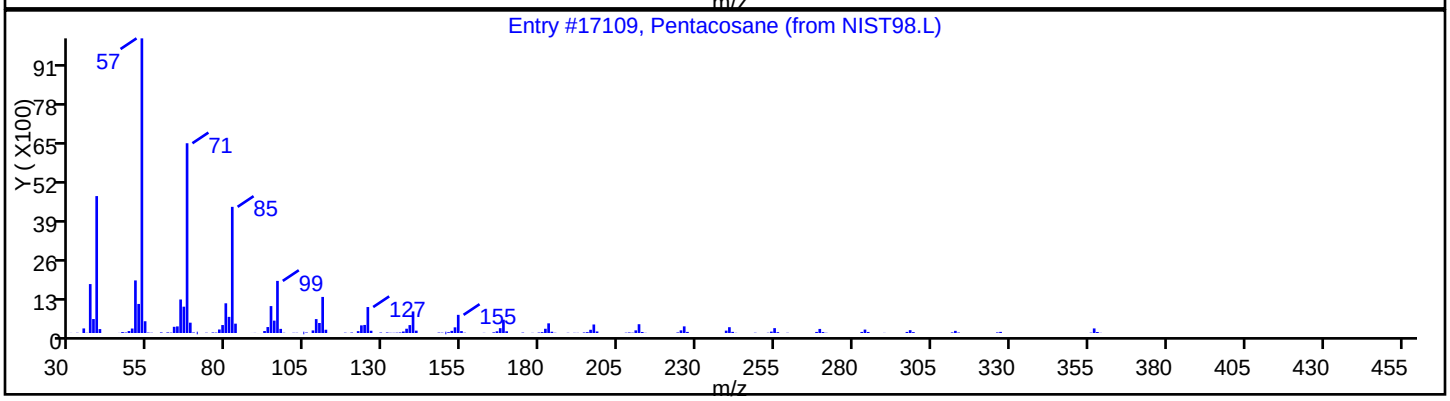
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dotriacontane	544-85-4	NIST98.L	112351	91
Tetratriacontane	14167-59-0	NIST98.L	16431	91
Pentacosane	629-99-2	NIST98.L	17109	91









Report Date: 30-Sep-2009 09:07:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

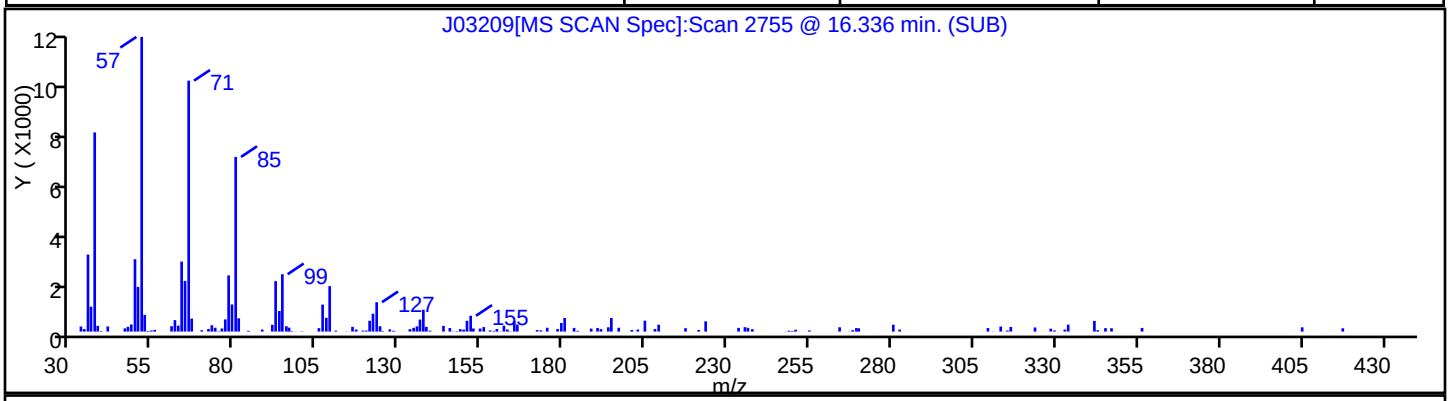
Lims Batch ID: 49648 Lims Sample ID: 28

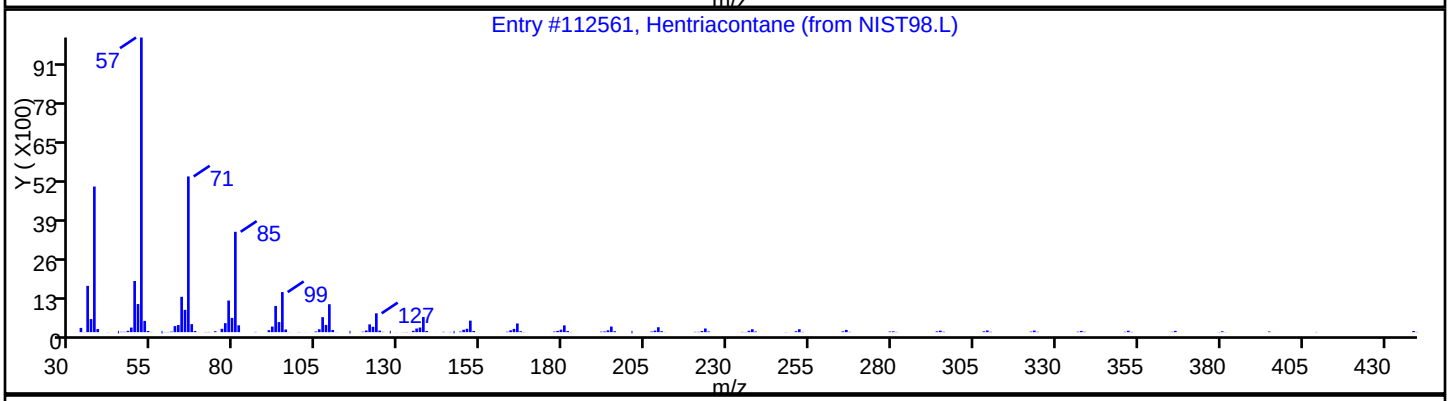
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

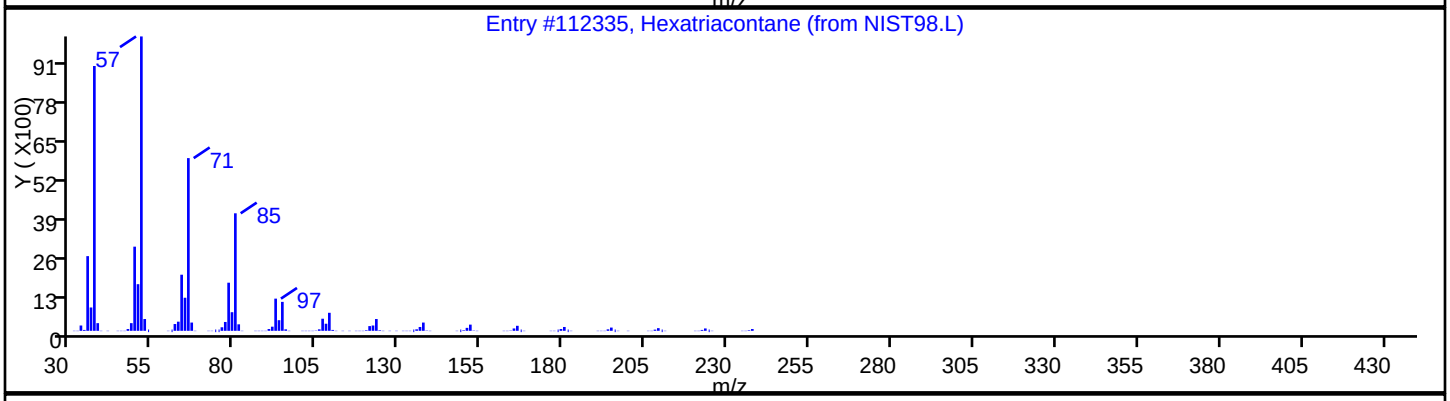
Sample Info: 360-24582-a-10-c 10X

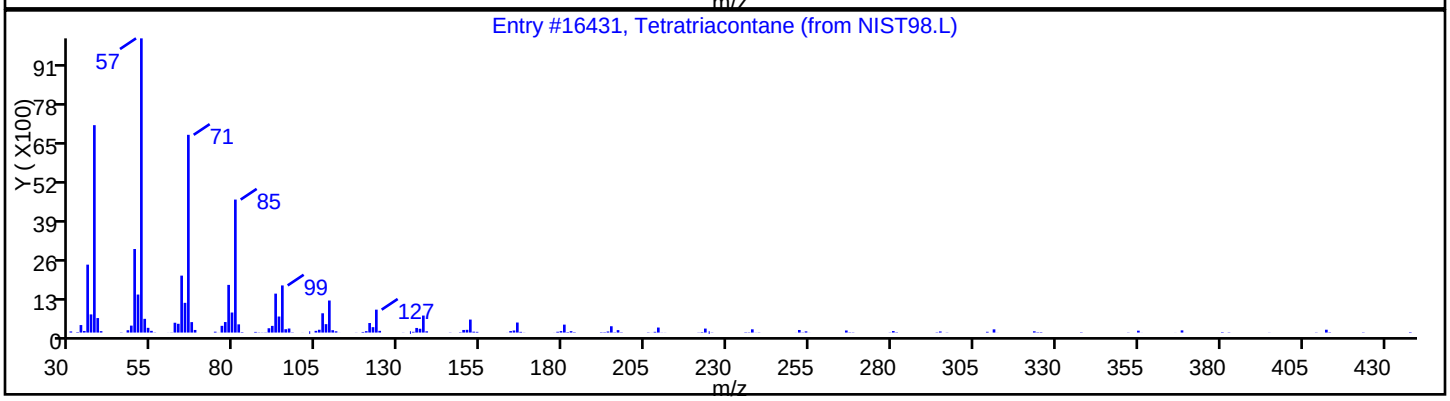
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hentriacontane	630-4-6	NIST98.L	112561	91
Hexatriacontane	630-6-8	NIST98.L	112335	91
Tetratriacontane	14167-59-0	NIST98.L	16431	91





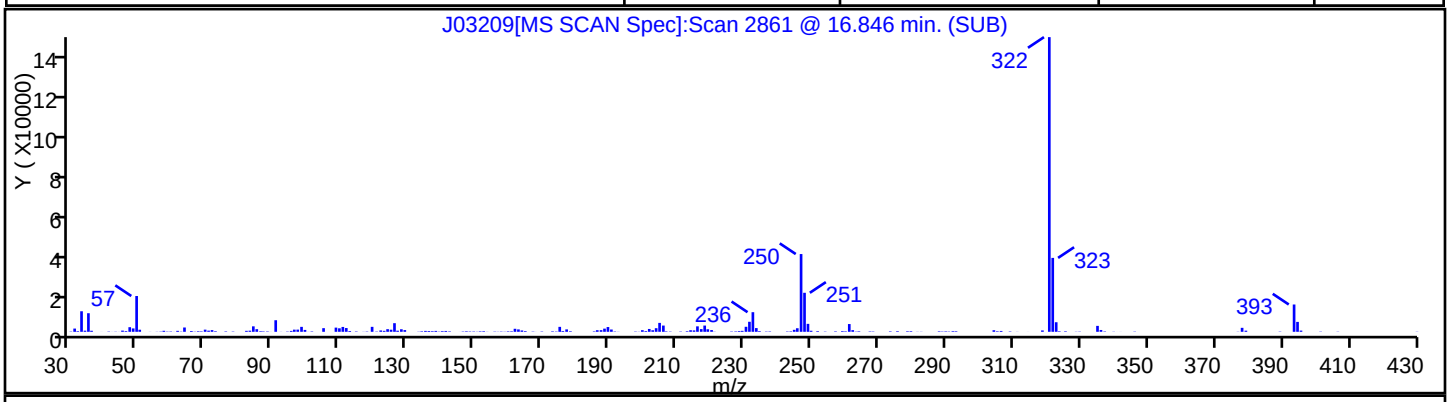


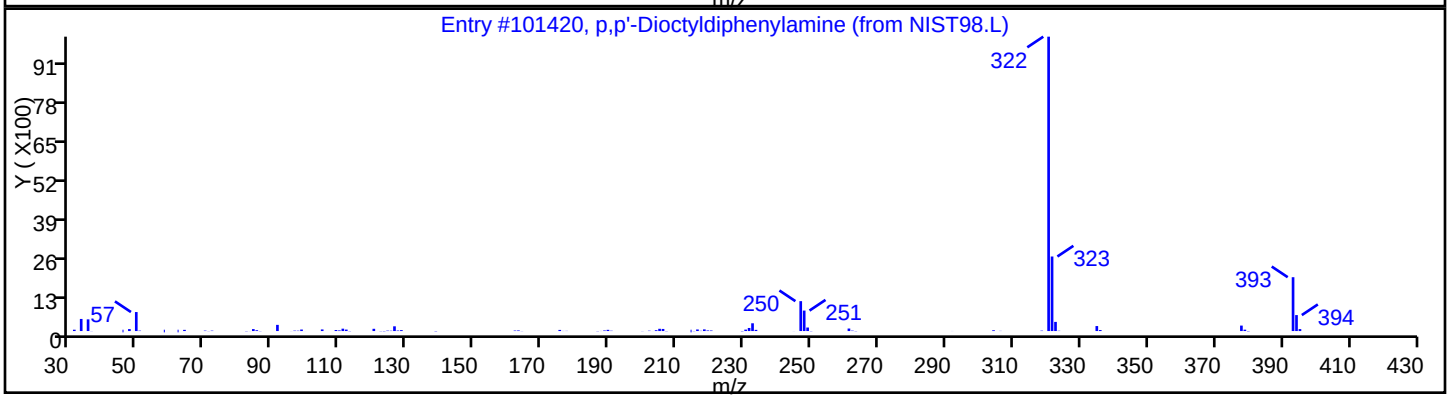


Report Date: 30-Sep-2009 09:07:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D		
Inj Date:	29-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	28
Client ID:	OC-SS-405-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-10-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	97





Report Date: 30-Sep-2009 09:07:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03209.D

Inj Date: 29-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

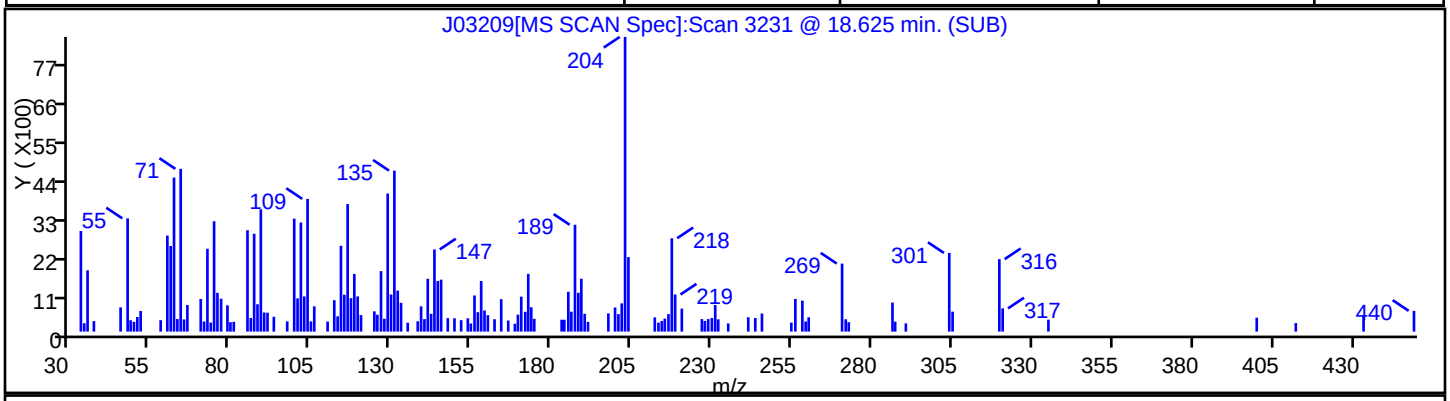
Lims Batch ID: 49648 Lims Sample ID: 28

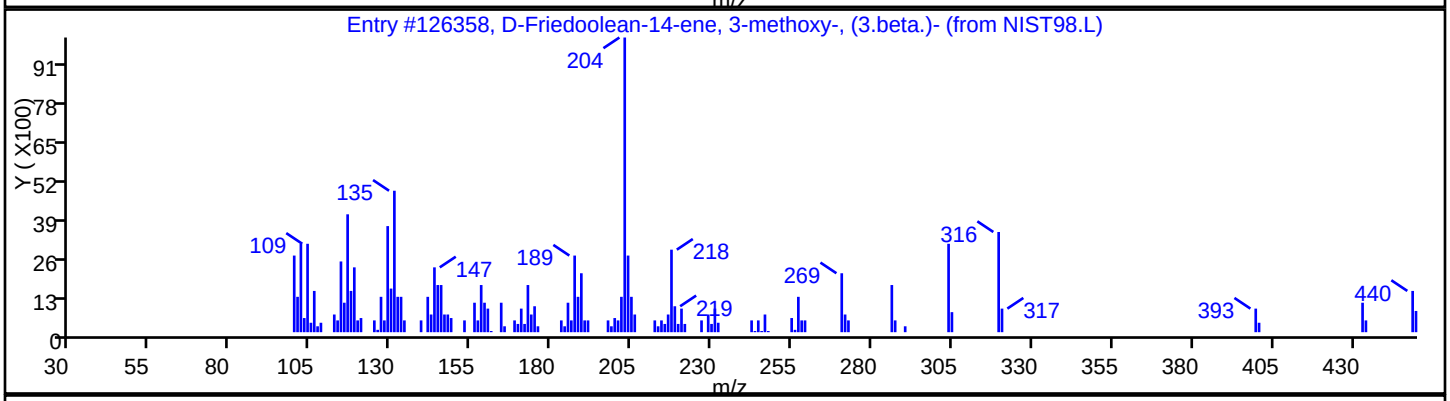
Client ID: OC-SS-405-0.0/1.0-XXX Instrument: Inst. J

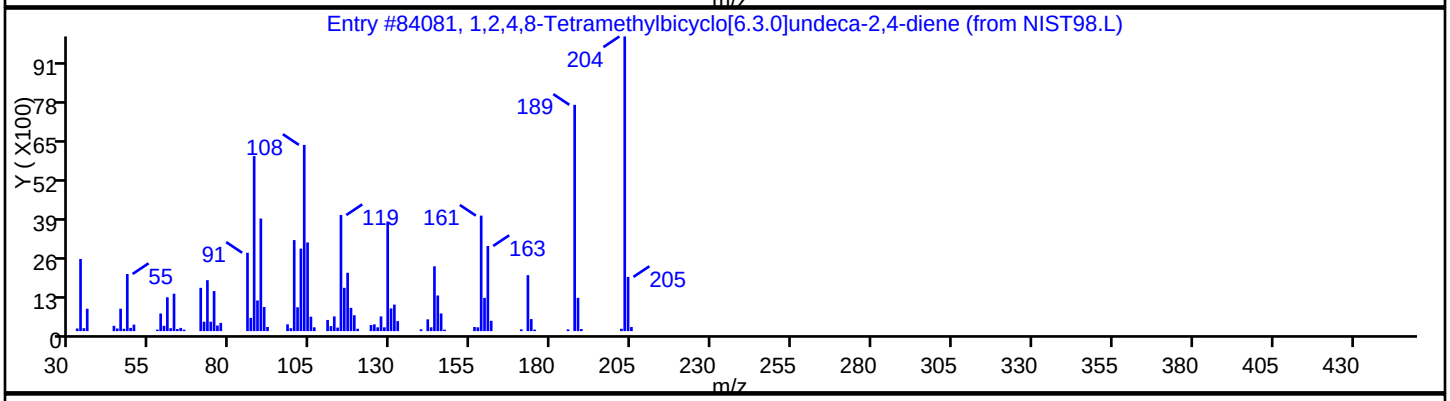
Sample Info: 360-24582-a-10-c 10X

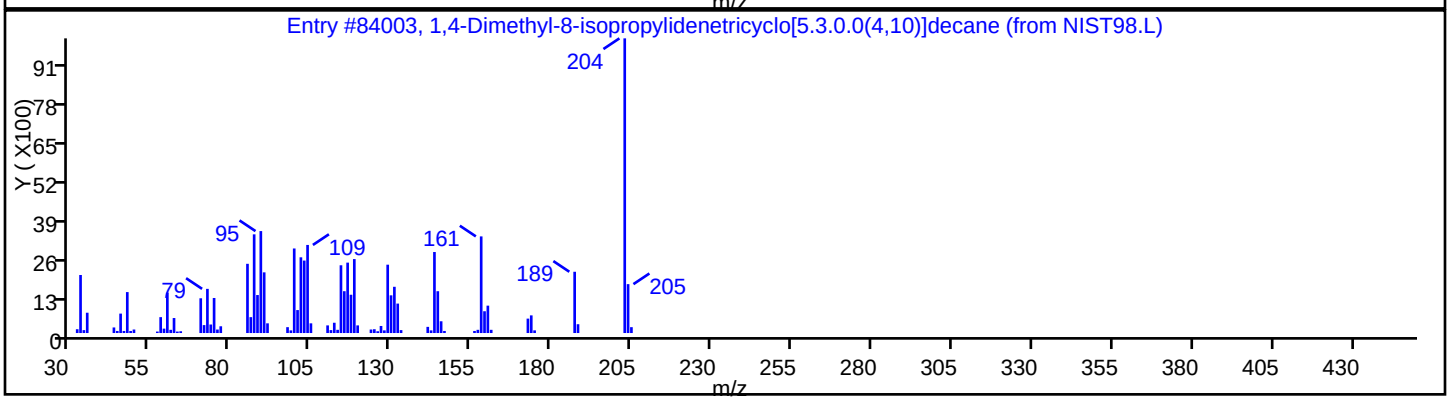
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NIST98.L	126358	98
1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-	1000140-7-8	NIST98.L	84081	83
1,4-Dimethyl-8-isopropylidenetricyclo[5.	1000140-7-7	NIST98.L	84003	55









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: J03210.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 08:35

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.09(g) | Date Analyzed: 09/29/2009 04:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		440	130
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		440	130
120-82-1	1,2,4-Trichlorobenzene	ND		440	130
95-50-1	1,2-Dichlorobenzene	ND		440	130
541-73-1	1,3-Dichlorobenzene	ND		440	130
106-46-7	1,4-Dichlorobenzene	ND		440	130
90-12-0	1-Methylnaphthalene	ND		440	130
108-60-1	2,2'-oxybis[1-chloropropane]	ND		440	130
58-90-2	2,3,4,6-Tetrachlorophenol	ND		440	130
95-95-4	2,4,5-Trichlorophenol	ND		440	130
88-06-2	2,4,6-Trichlorophenol	ND		440	130
120-83-2	2,4-Dichlorophenol	ND	*	440	130
105-67-9	2,4-Dimethylphenol	ND		440	170
51-28-5	2,4-Dinitrophenol	ND		440	130
121-14-2	2,4-Dinitrotoluene	ND		440	130
606-20-2	2,6-Dinitrotoluene	ND		440	130
91-58-7	2-Chloronaphthalene	ND		440	130
95-57-8	2-Chlorophenol	ND		440	130
91-57-6	2-Methylnaphthalene	ND		440	130
95-48-7	2-Methylphenol	ND		440	270
88-74-4	2-Nitroaniline	ND		2200	130
88-75-5	2-Nitrophenol	ND		440	130
15831-10-4	3 & 4 Methylphenol	ND		440	130
91-94-1	3,3'-Dichlorobenzidine	ND		890	130
99-09-2	3-Nitroaniline	ND		2200	130
534-52-1	4,6-Dinitro-2-methylphenol	ND		2200	130
101-55-3	4-Bromophenyl phenyl ether	ND		440	130
59-50-7	4-Chloro-3-methylphenol	ND		890	130
106-47-8	4-Chloroaniline	ND		890	130
7005-72-3	4-Chlorophenyl phenyl ether	ND		440	130
100-01-6	4-Nitroaniline	ND		2200	130
100-02-7	4-Nitrophenol	ND		2200	130
83-32-9	Acenaphthene	ND		440	130
208-96-8	Acenaphthylene	ND		440	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: J03210.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 08:35

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.09(g) | Date Analyzed: 09/29/2009 04:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		440	130
62-53-3	Aniline	ND	*	440	130
120-12-7	Anthracene	ND		440	130
1912-24-9	Atrazine	ND		440	130
103-33-3	Azobenzene	ND		440	130
100-52-7	Benzaldehyde	410	J	440	130
56-55-3	Benzo[a]anthracene	ND		440	130
50-32-8	Benzo[a]pyrene	ND		440	130
205-99-2	Benzo[b]fluoranthene	ND		440	130
191-24-2	Benzo[g,h,i]perylene	ND		440	130
207-08-9	Benzo[k]fluoranthene	ND		440	130
65-85-0	Benzoic acid	840	J B	2200	200
119-61-9	Benzophenone	ND		440	130
100-51-6	Benzyl alcohol	ND		890	380
111-91-1	Bis(2-chloroethoxy)methane	ND		440	130
111-44-4	Bis(2-chloroethyl)ether	ND		440	130
117-81-7	Bis(2-ethylhexyl) phthalate	ND		440	130
85-68-7	Butyl benzyl phthalate	ND		440	130
105-60-2	Caprolactam	ND		440	130
86-74-8	Carbazole	ND		440	130
218-01-9	Chrysene	150	J	440	130
53-70-3	Dibenz(a,h)anthracene	280	J	440	130
132-64-9	Dibenzofuran	ND		440	130
84-66-2	Diethyl phthalate	ND		440	130
131-11-3	Dimethyl phthalate	ND		440	130
84-74-2	Di-n-butyl phthalate	ND		440	390
117-84-0	Di-n-octyl phthalate	ND		440	220
101-84-8	Diphenyl oxide	ND		440	130
206-44-0	Fluoranthene	230	J	440	130
86-73-7	Fluorene	ND		440	130
118-74-1	Hexachlorobenzene	ND		440	130
87-68-3	Hexachlorobutadiene	ND		440	130
77-47-4	Hexachlorocyclopentadiene	ND		890	130
67-72-1	Hexachloroethane	ND		440	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: J03210.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 08:35

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.09(g) | Date Analyzed: 09/29/2009 04:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	440	130
78-59-1	Isophorone	ND		440	130
91-20-3	Naphthalene	ND		1100	130
98-95-3	Nitrobenzene	ND		440	130
62-75-9	N-Nitrosodimethylamine	ND		440	160
621-64-7	N-Nitrosodi-n-propylamine	ND		440	130
86-30-6	N-Nitrosodiphenylamine	ND		440	130
87-86-5	Pentachlorophenol	ND		440	130
85-01-8	Phenanthrene	160	J	530	130
108-95-2	Phenol	ND		440	130
129-00-0	Pyrene	190	J	440	130

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
321-60-8	2-Fluorobiphenyl	63	30-130	
367-12-4	2-Fluorophenol	61	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	64	30-130	
1718-51-0	Terphenyl-d14	70	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-406-0.0/1.0.-XXX | Lab Sample ID: 360-24582-11

Matrix: Solid | Lab File ID: J03210.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 08:35

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.09(g) | Date Analyzed: 09/29/2009 04:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 25.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 19040

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1454-85-9	1-Heptadecanol	15.03	1200	T J N
593-49-7	Heptacosane	15.68	620	T J N
297-3-0	Cyclotetracosane	15.72	2700	T J N
630-3-5	Nonacosane	16.34	4000	T J N
297-3-0	Cyclotetracosane	16.41	2000	T J N
630-4-6	Hentriacontane	17.09	4800	T J N
18435-45-5	1-Nonadecene	17.20	580	T J N
7390-81-0	Oxirane, hexadecyl-	17.84	2400	T J N
629-94-7	Heneicosane	18.04	740	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Lims ID:	360-24582-A-11-C	Client ID:	OC-SS-406-0.0/1.0.-XXX
Inject. Date:	29-Sep-2009 04:55:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-11-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	49648	Lims Sample ID:	29
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:11:15	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:11:14

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.036	8.036	0.000	57261	2.00	
* 2 Naphthalene-d8	136	9.349	9.349	0.000	142335	2.00	
* 3 Acenaphthene-d10	164	11.133	11.133	0.000	76089	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	125124	2.00	
* 5 Chrysene-d12	240	15.379	15.379	0.000	79890	2.00	
* 6 Perylene-d12	264	17.014	17.014	0.000	59230	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	10355	0.6115	
$ 8 Phenol-d5	99	7.685	7.680	0.005	12770	0.6373	
$ 9 Nitrobenzene-d5	82	8.637	8.637	0.000	6688	0.3346	
$ 10 2-Fluorobiphenyl	172	10.426	10.426	0.000	13904	0.3160	
$ 11 2,4,6-Tribromophenol	330	11.936	11.936	0.000	2948	0.6798	
$ 12 Terphenyl-d14	244	14.201	14.201	0.000	10049	0.3496	
17 Benzaldehyde	105	7.598	7.599	-0.001	9569	0.9147	
18 Phenol	94	7.699	7.695	0.004	550	0.0255	
30 Acetophenone	105	8.469	8.469	0.000	2907	0.1238	
36 Benzoic acid	105	9.027	9.037	-0.009	5411	1.89	
41 Naphthalene	128	9.368	9.368	0.000	5528	0.0968	
46 2-Methylnaphthalene	142	10.056	10.056	0.000	2569	0.0687	
47 1-Methylnaphthalene	142	10.171	10.171	0.000	2336	0.0641	
52 1,1'-Biphenyl	154	10.522	10.522	0.000	1269	0.0274	
58 Acenaphthylene	152	10.989	10.984	0.005	1345	0.0240	
61 Acenaphthene	153	11.167	11.167	0.000	422	0.0114	
64 Dibenzofuran	168	11.320	11.321	-0.001	1781	0.0348	
66 Diethyl phthalate	149	11.542	11.547	-0.005	551	0.0127	
80 Phenanthrene	178	12.643	12.643	0.000	18640	0.3609	
81 Anthracene	178	12.686	12.686	0.000	1568	0.0274	
83 Carbazole	167	12.845	12.840	0.005	2226	0.0497	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	2745	0.0420	

Report Date: 30-Sep-2009 09:11:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.850	13.850	0.000	27371	0.5289	
85 Pyrene	202	14.090	14.091	-0.001	20058	0.4265	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.283	0.000	5756	0.2028	
93 Benzo[a]anthracene	228	15.355	15.355	0.000	5407	0.1676	
94 Chrysene	228	15.408	15.408	0.000	10730	0.3336	
97 Benzo[b]fluoranthene	252	16.543	16.543	0.000	7273	0.2155	
98 Benzo[k]fluoranthene	252	16.562	16.567	-0.005	7182	0.2231	M
99 Benzo[a]pyrene	252	16.942	16.947	-0.005	5225	0.2407	M
101 Dibenz(a,h)anthracene	278	18.534	18.544	-0.010	1539	0.6330	
100 Indeno[1,2,3-cd]pyrene	276	18.558	18.553	0.005	3464	0.2237	
102 Benzo[g,h,i]perylene	276	19.019	19.020	-0.001	3660	0.2507	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Lims ID:	360-24582-A-11-C	Client ID:	OC-SS-406-0.0/1.0.-XXX
Inject. Date:	29-Sep-2009 04:55:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-11-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	49648	Lims Sample ID:	29
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:11:15	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:11:14

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.941	104	0.8861	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.239	103950	0.6268	4	97	126944	
112-95-8	Eicosane					
13.557	88758	0.5352	4	95	16454	
112-61-8	Octadecanoic acid, methyl ester					
13.677	81720	0.4927	4	95	28371	
638-67-5	Tricosane					
14.288	77432	0.5627	5	95	109661	
629-78-7	Heptadecane					
14.643	38343	0.2786	5	91	109557	
14811-95-1	1,19-Eicosadiene					
14.797	46232	0.3359	5	93	13201	
481-74-3	9,10-Anthracenedione, 1,8-dihydroxy-3-me					
14.865	52851	0.3840	5	99	93725	
544-76-3	Hexadecane					
14.994	83911	0.6097	5	93	112410	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
1454-85-9 1-Heptadecanol						
15.028	384576	2.79	5	91	13564	
1000155-85-0 Bicyclo[10.8.0]eicosane, (E)-						
15.504	93276	0.6778	5	93	2123	
593-49-7 Heptacosane						
15.677	191771	1.39	5	98	112354	
297-3-0 Cyclotetracosane						
15.721	823755	5.99	5	99	33283	
629-92-5 Nonadecane						
16.004	78651	0.5715	5	96	112576	
630-3-5 Nonacosane						
16.341	785864	8.95	6	98	112560	
297-3-0 Cyclotetracosane						
16.408	405003	4.61	6	97	33283	
630-4-6 Hentriacontane						
17.091	948199	10.8	6	97	112561	
18435-45-5 1-Nonadecene						
17.197	114720	1.31	6	93	42210	
7390-81-0 Oxirane, hexadecyl-						
17.836	467414	5.32	6	91	32327	
629-94-7 Heneicosane						
18.038	146709	1.67	6	98	17094	

Quantitation Compounds

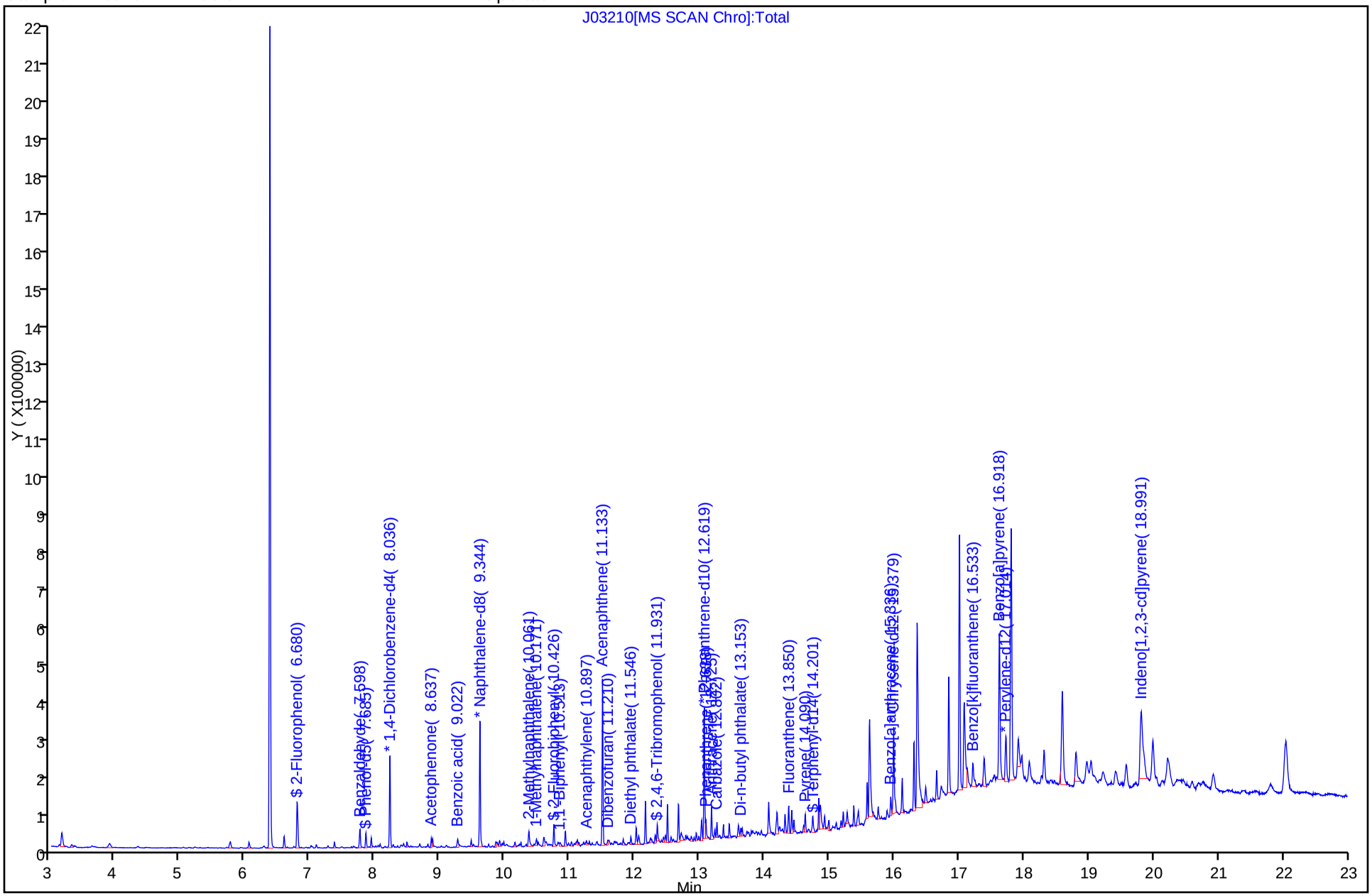
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	12.619	331696	2.00
* 5 Chrysene-d12	15.379	275235	2.00
* 6 Perylene-d12	17.014	175583	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:11:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

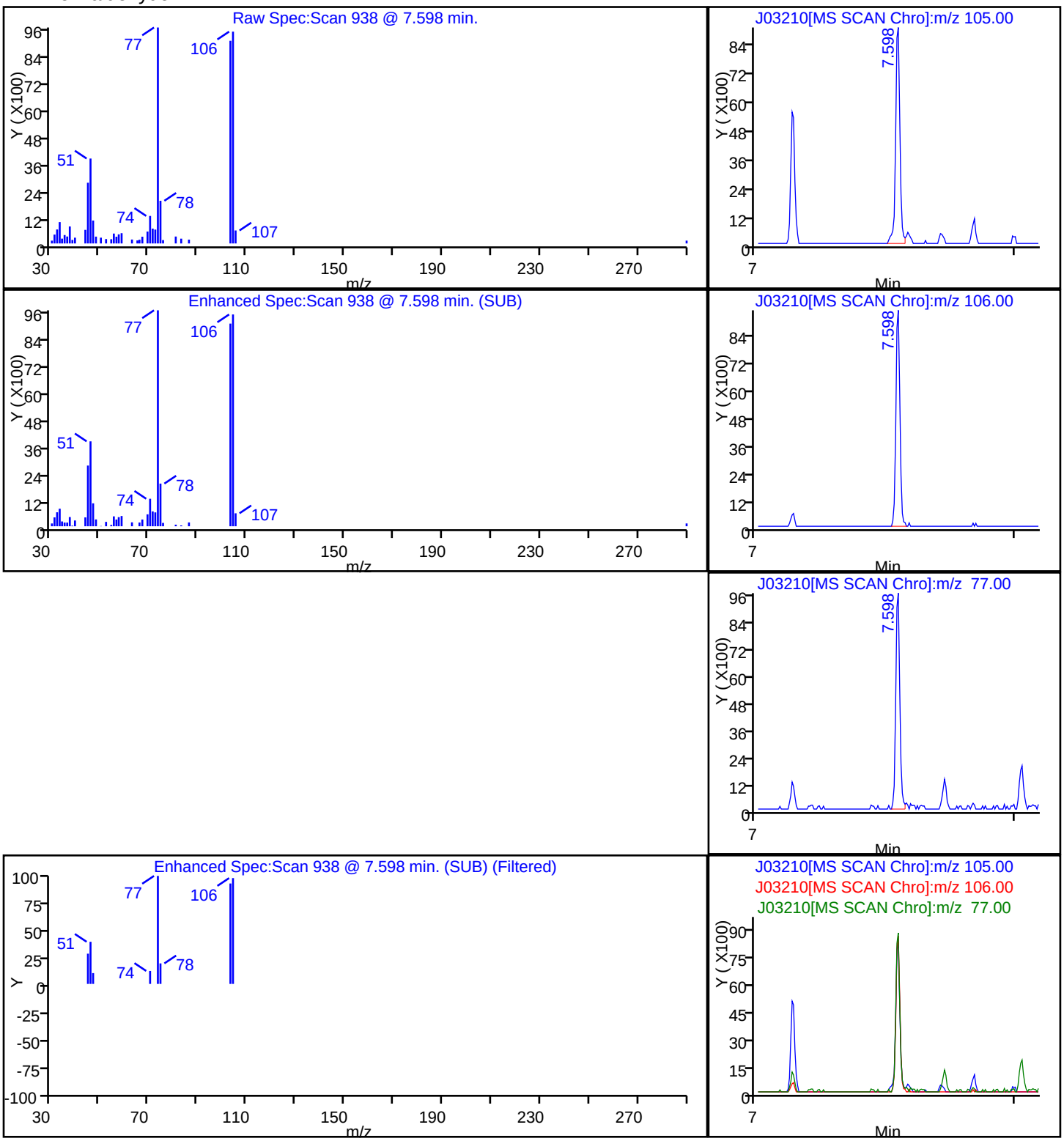
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:11:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	

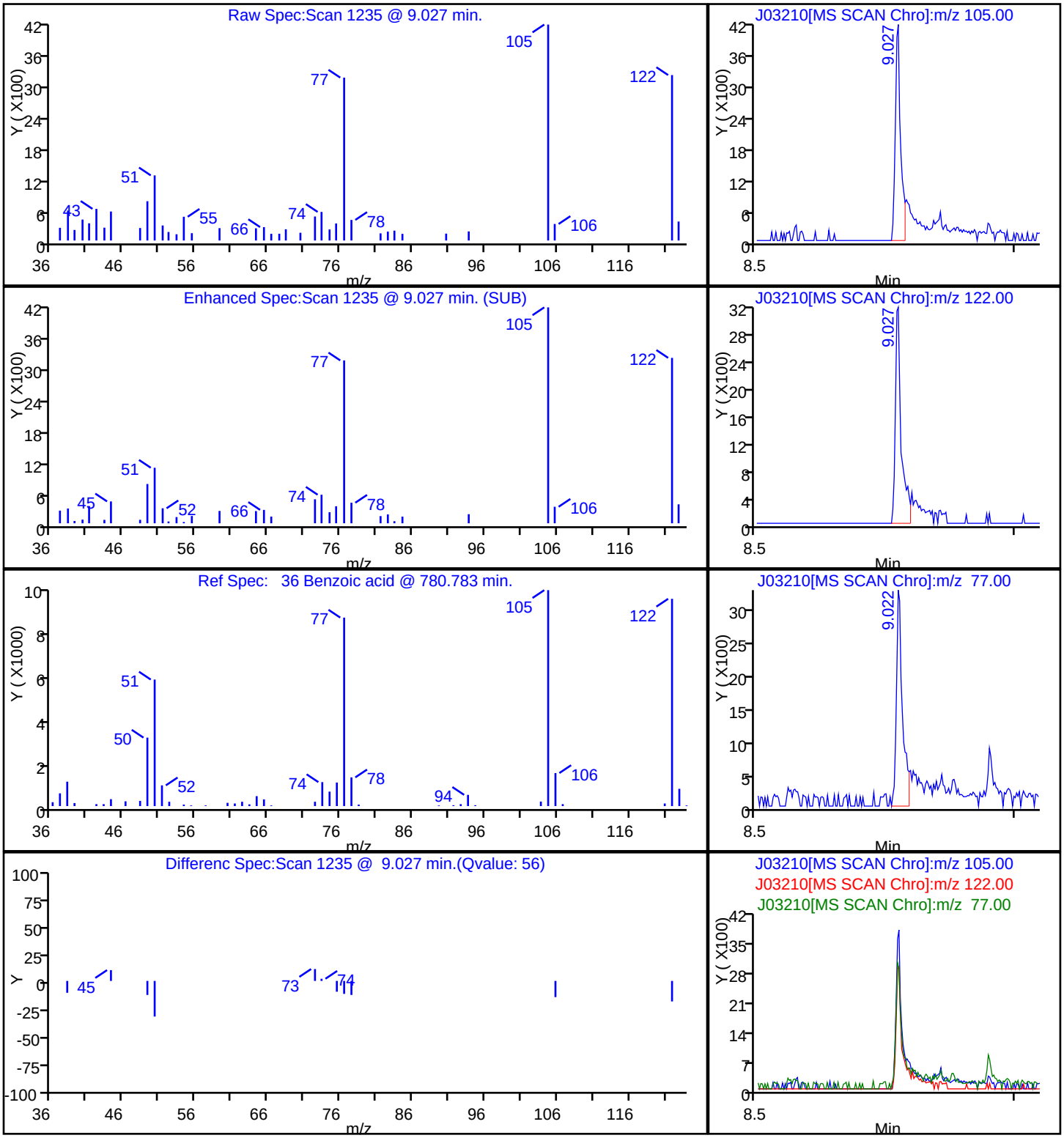
17 Benzaldehyde



Report Date: 30-Sep-2009 09:11:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	

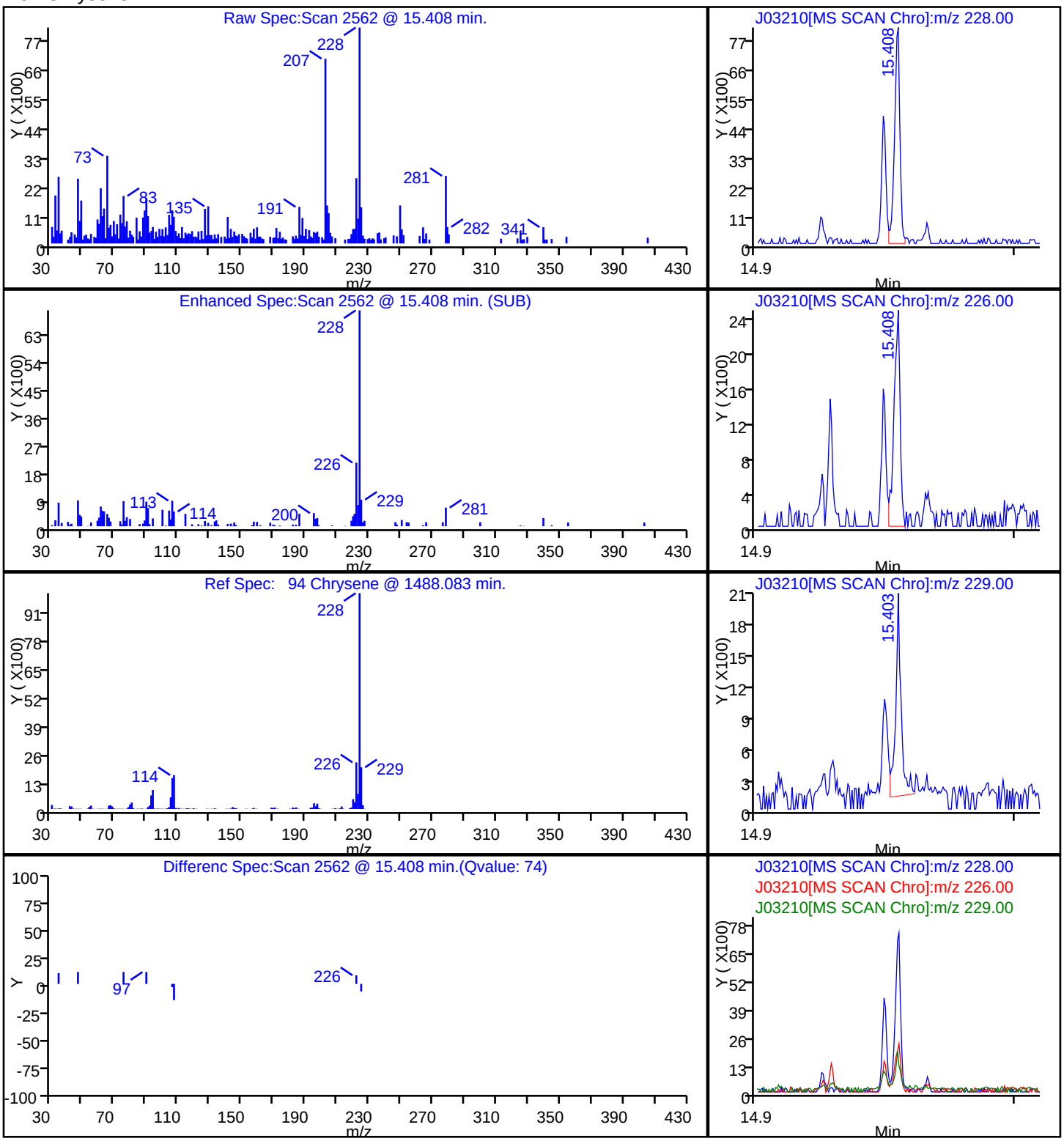
36 Benzoic acid



Report Date: 30-Sep-2009 09:11:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	

94 Chrysene



Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

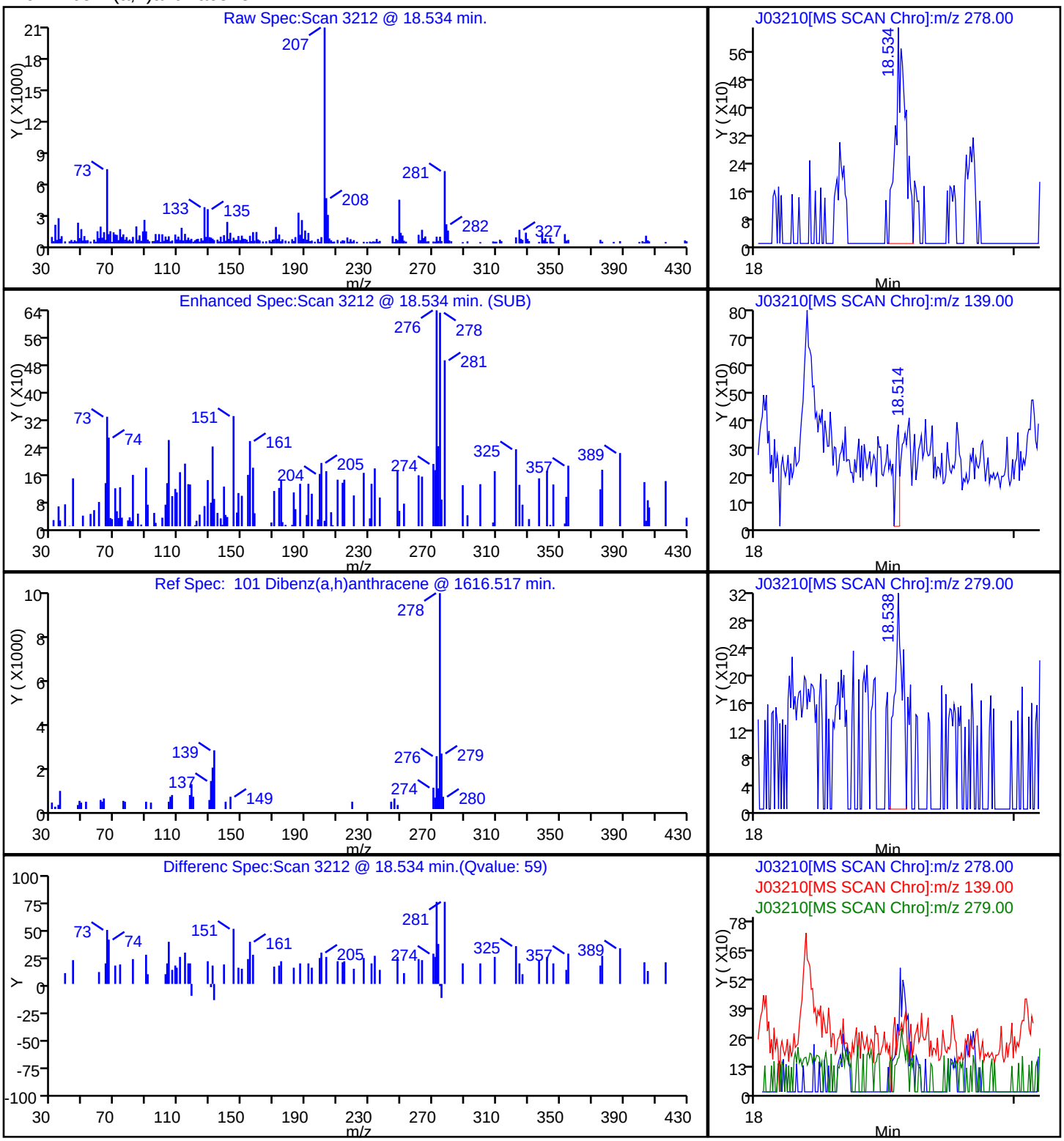
Lims Batch ID: 49648 Lims Sample ID: 29

Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

Sample Info: 360-24582-a-11-c 10X

Sample Amount: 1.00 ul Operator:

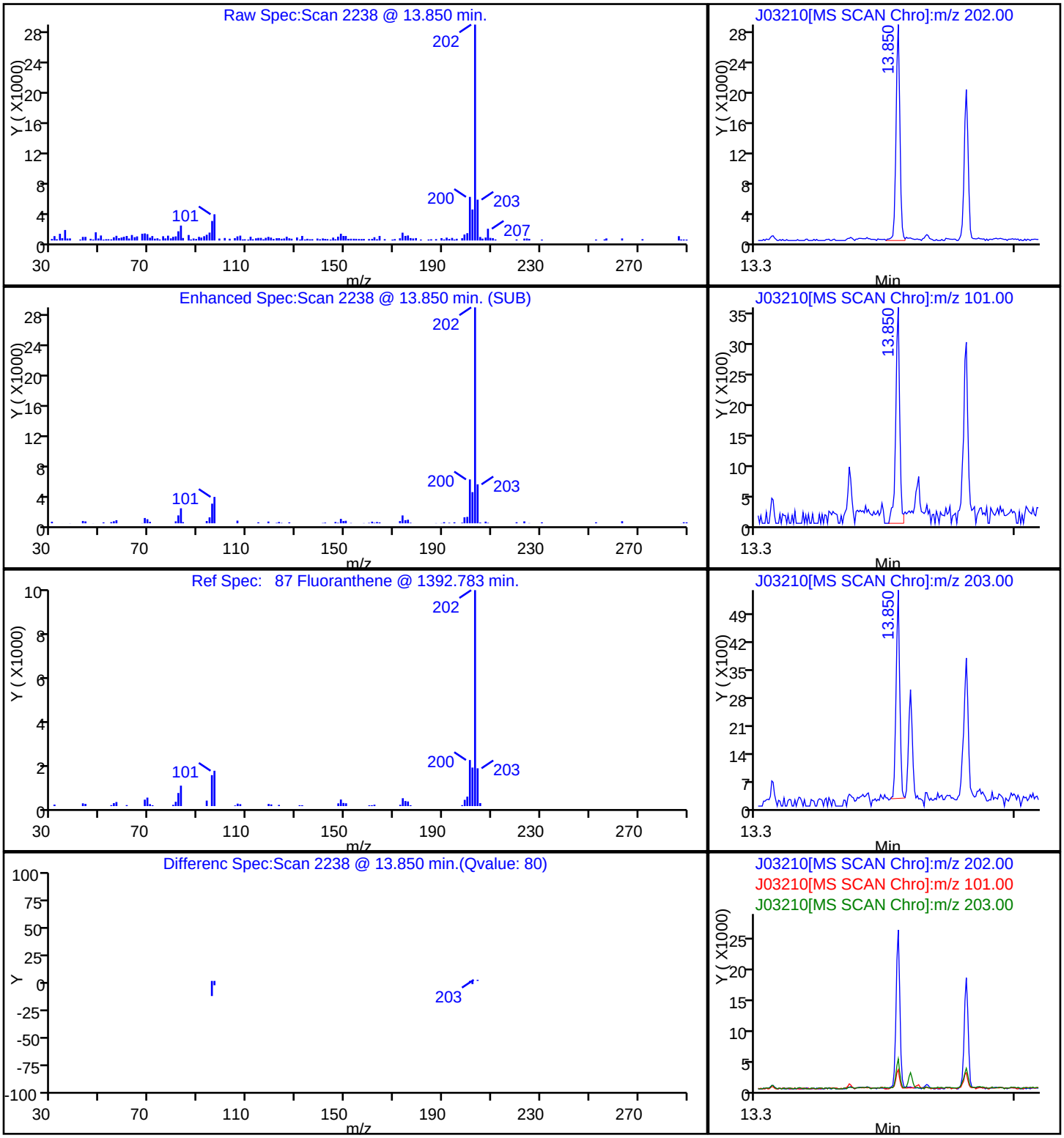
101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 09:11:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	

87 Fluoranthene



Report Date: 30-Sep-2009 09:11:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

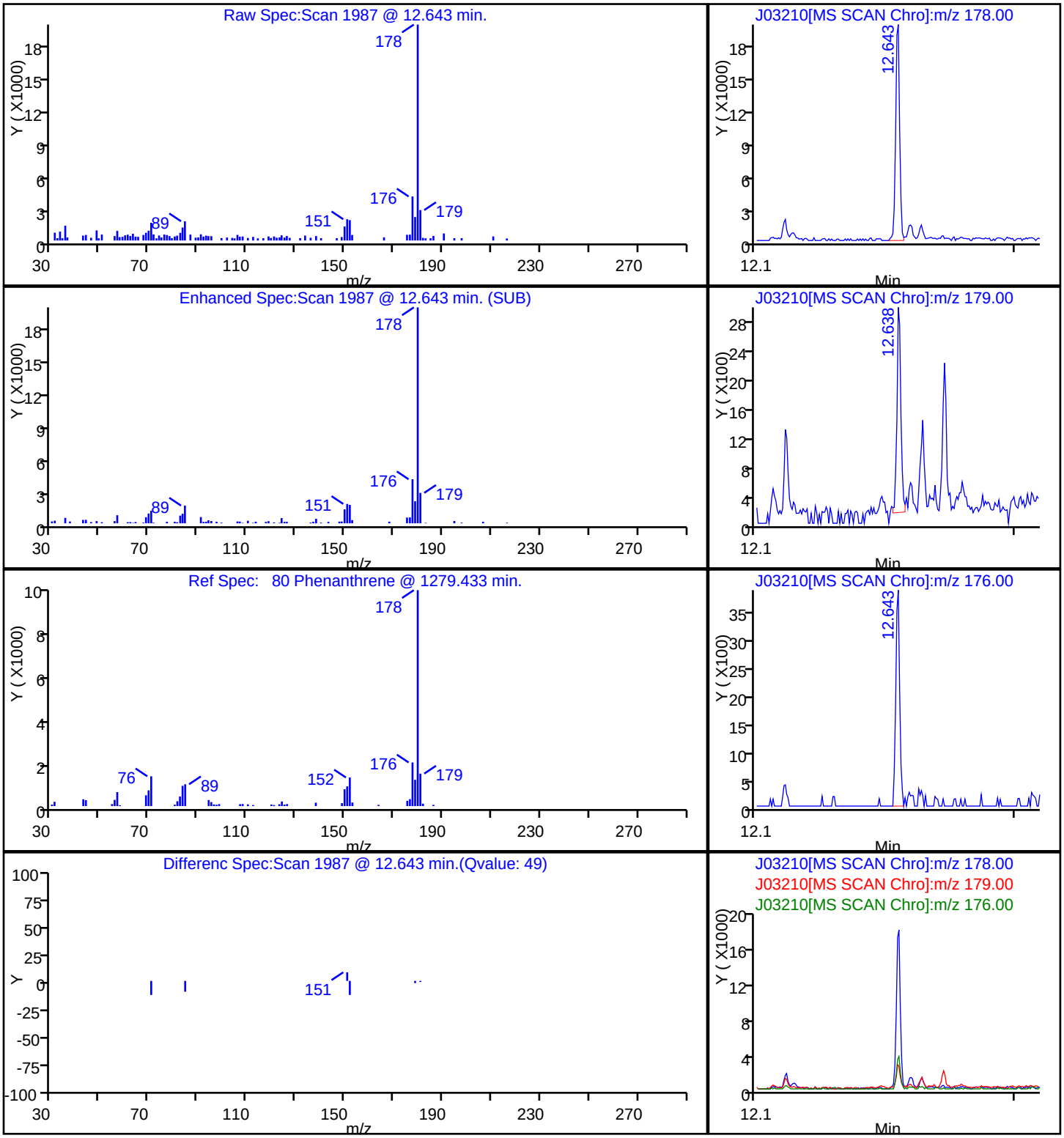
Lims Batch ID: 49648 Lims Sample ID: 29

Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

Sample Info: 360-24582-a-11-c 10X

Sample Amount: 1.00 ul Operator:

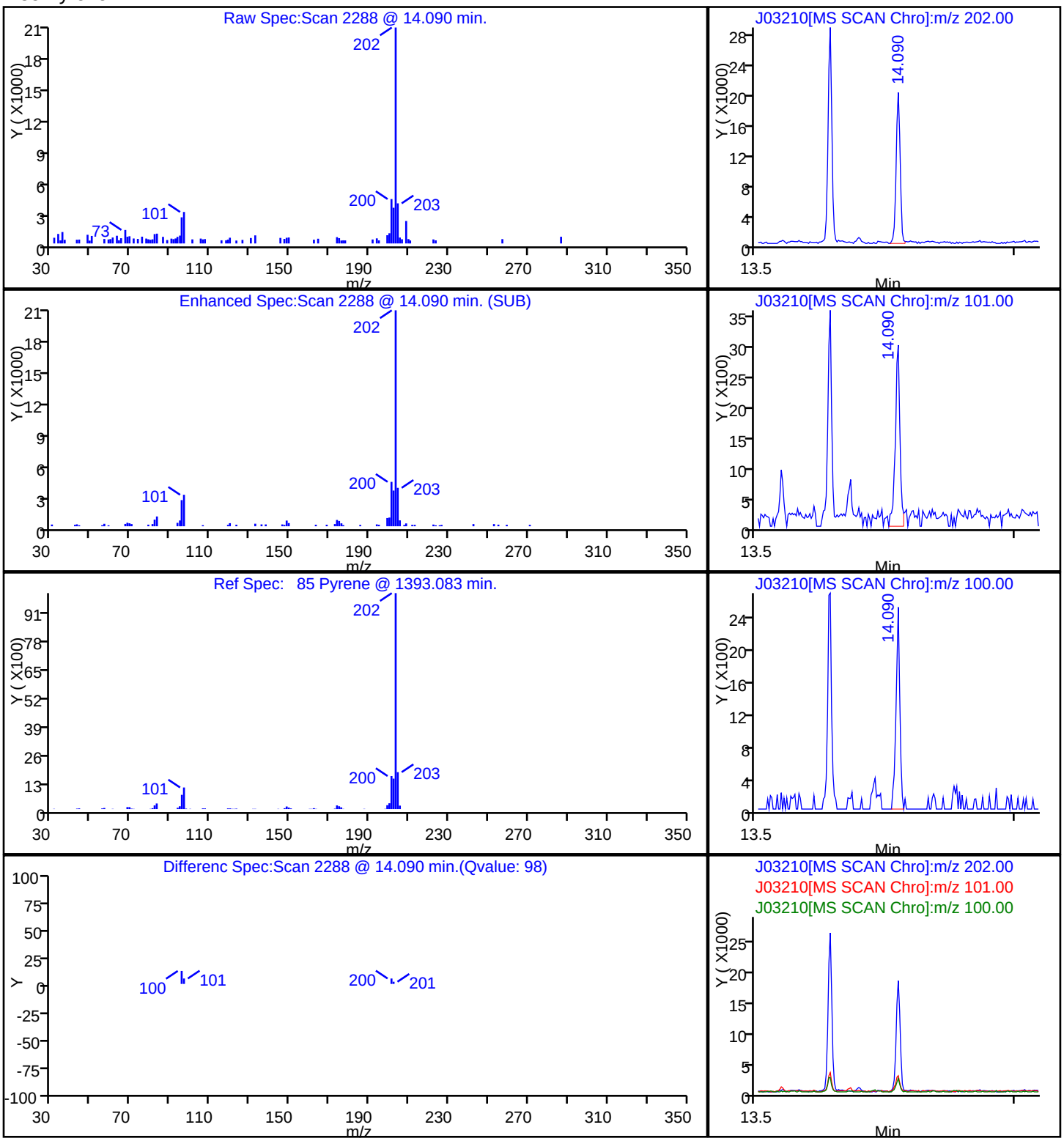
80 Phenanthrene



Report Date: 30-Sep-2009 09:11:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D		
Inj Date:	29-Sep-2009 04:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	29
Client ID:	OC-SS-406-0.0/1.0.-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-11-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

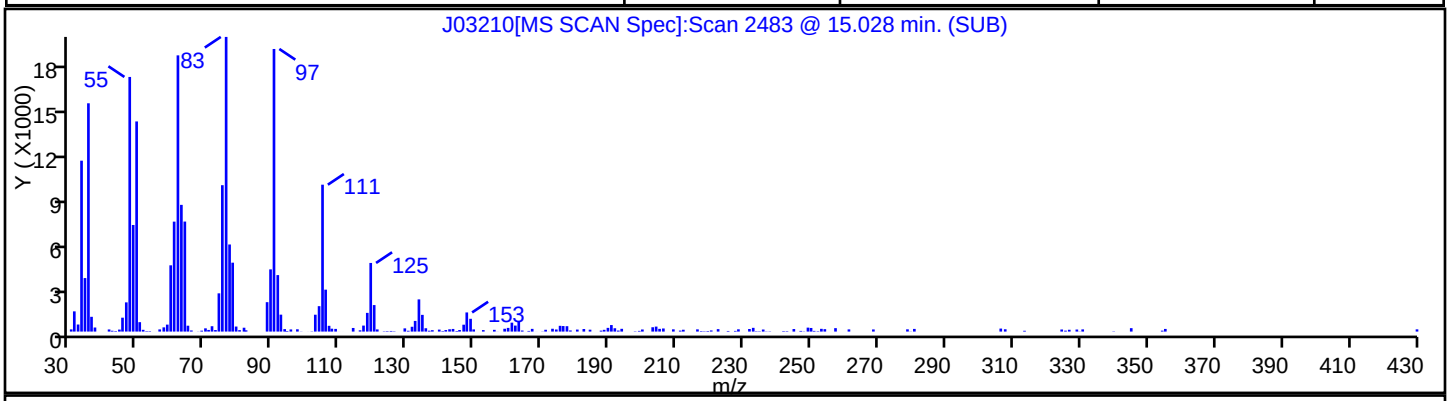
Lims Batch ID: 49648 Lims Sample ID: 29

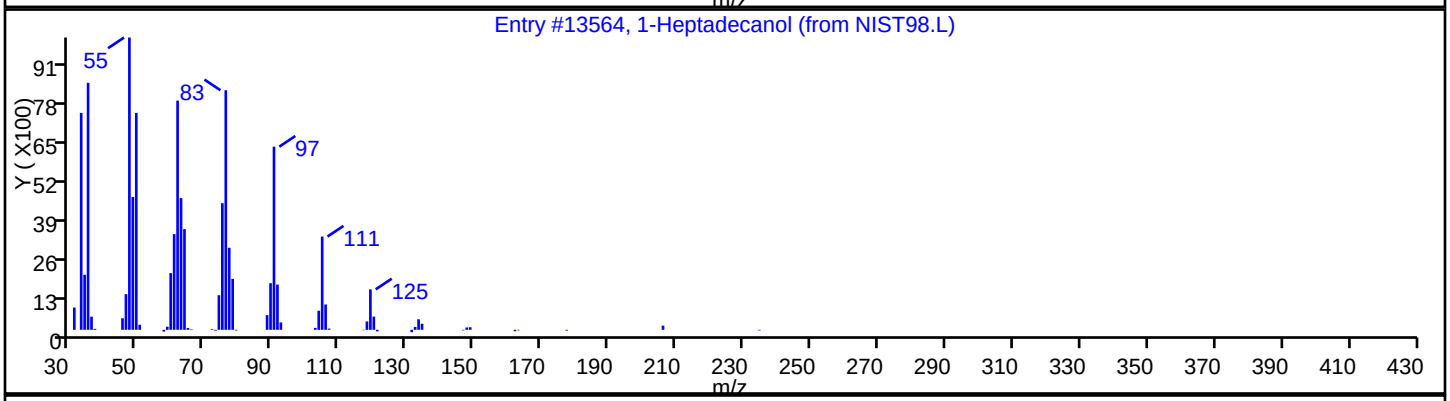
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

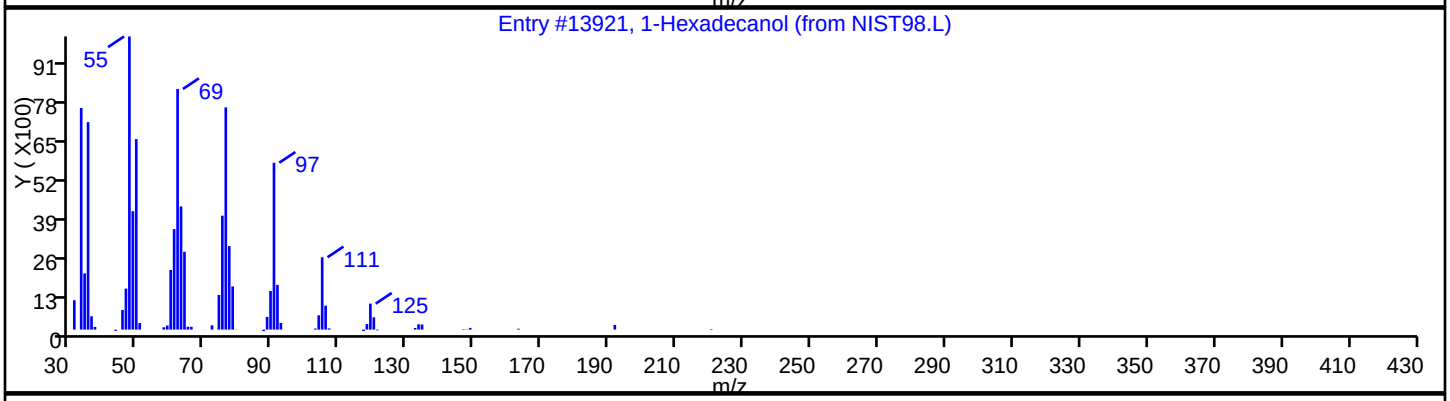
Sample Info: 360-24582-a-11-c 10X

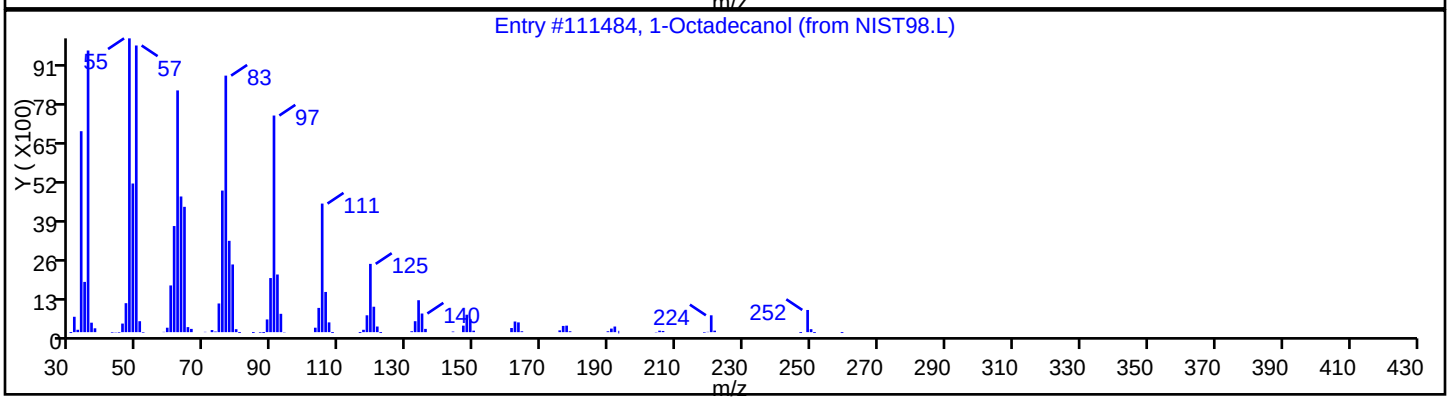
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Heptadecanol	1454-85-9	NIST98.L	13564	91
1-Hexadecanol	36653-82-4	NIST98.L	13921	91
1-Octadecanol	112-92-5	NIST98.L	111484	90









Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

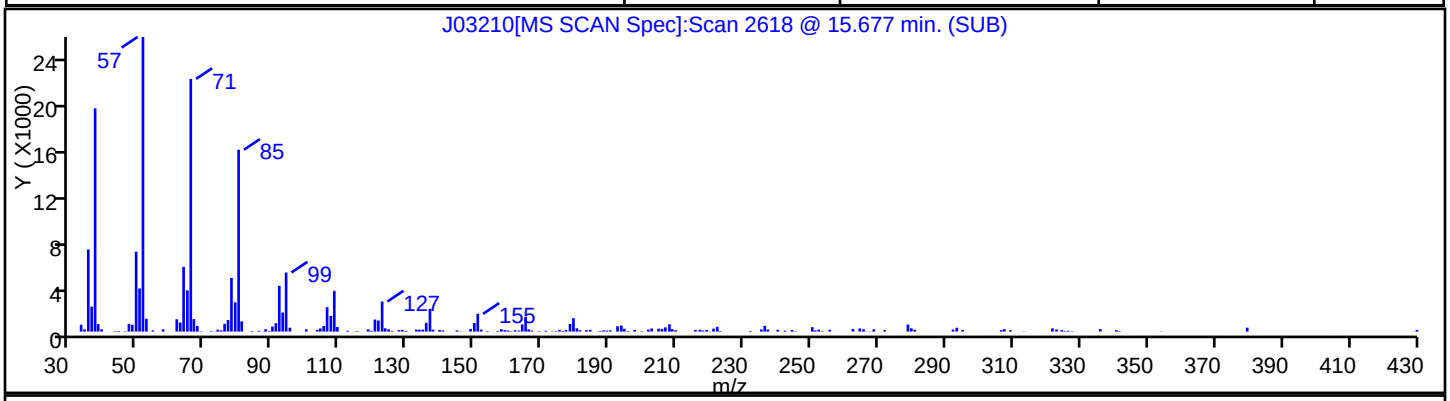
Lims Batch ID: 49648 Lims Sample ID: 29

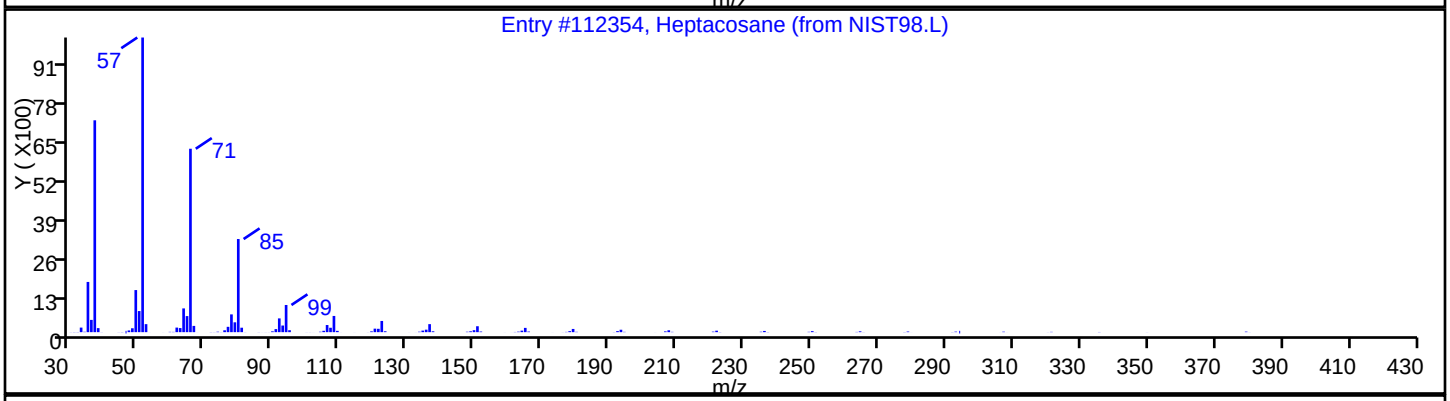
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

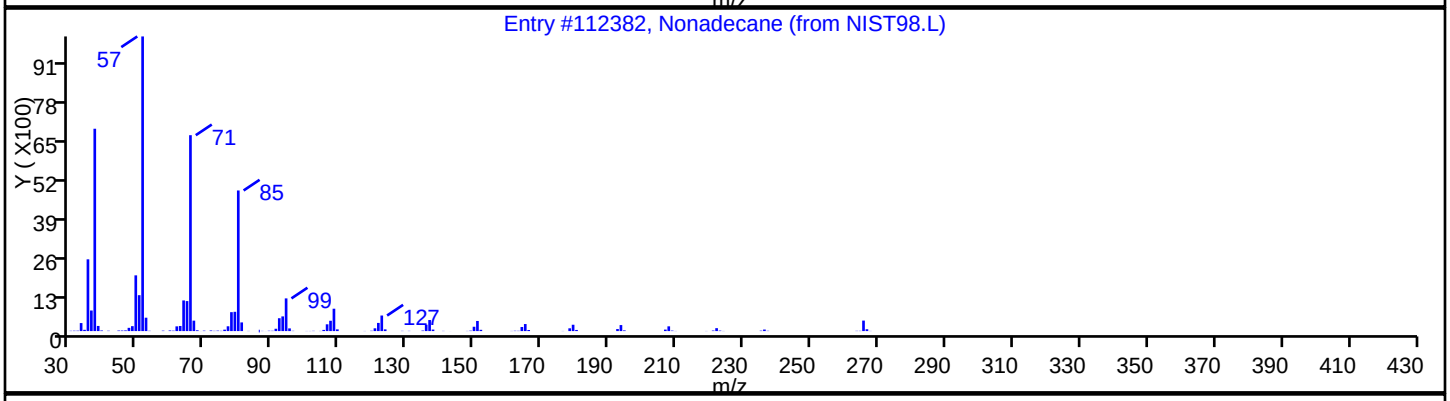
Sample Info: 360-24582-a-11-c 10X

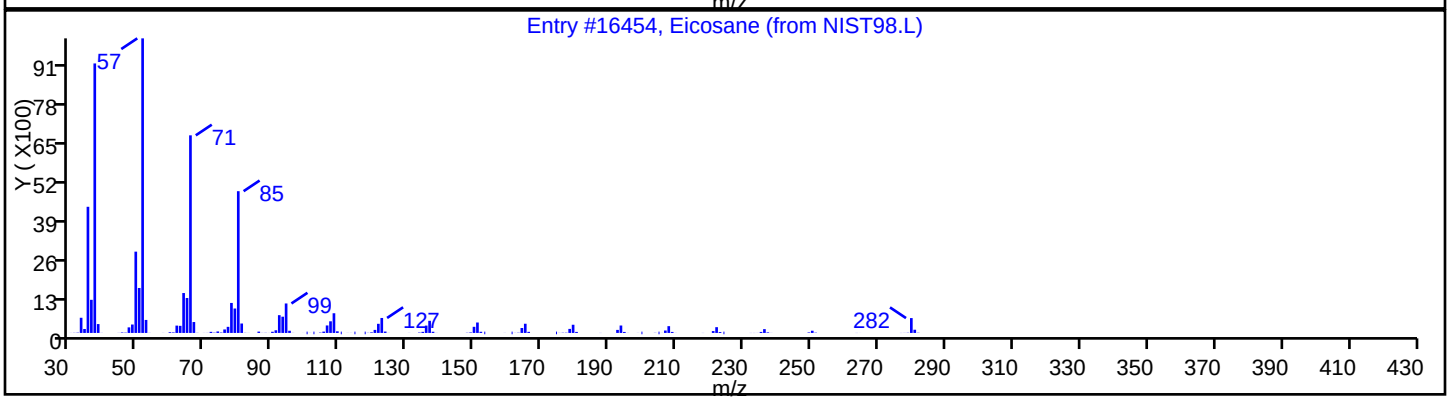
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	98
Nonadecane	629-92-5	NIST98.L	112382	97
Eicosane	112-95-8	NIST98.L	16454	95









Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

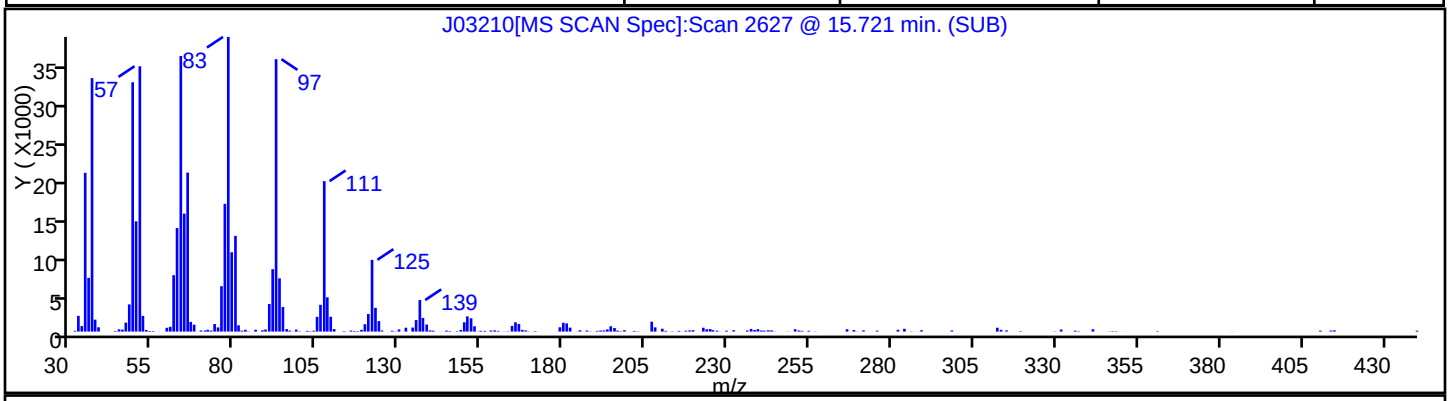
Lims Batch ID: 49648 Lims Sample ID: 29

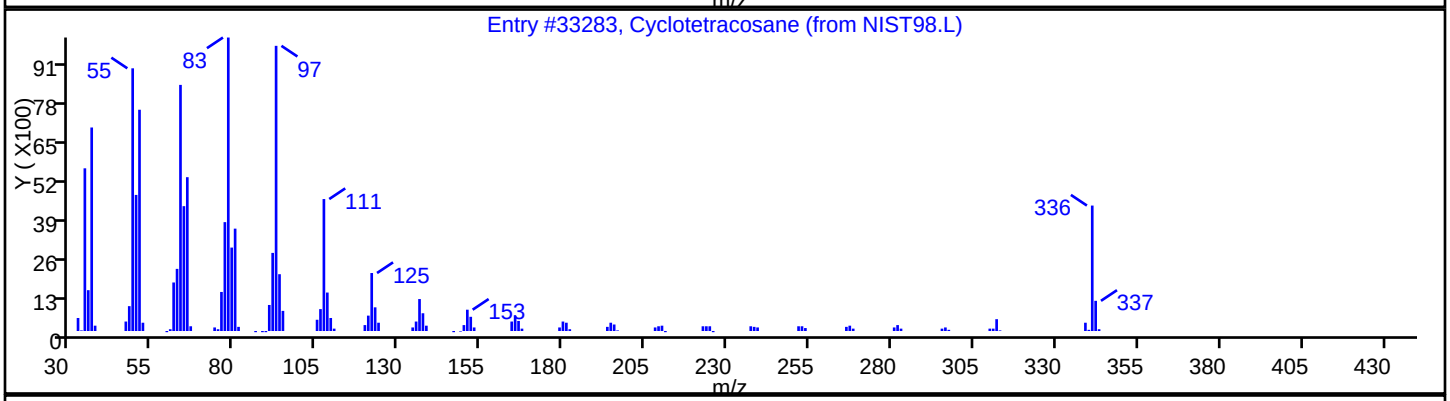
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

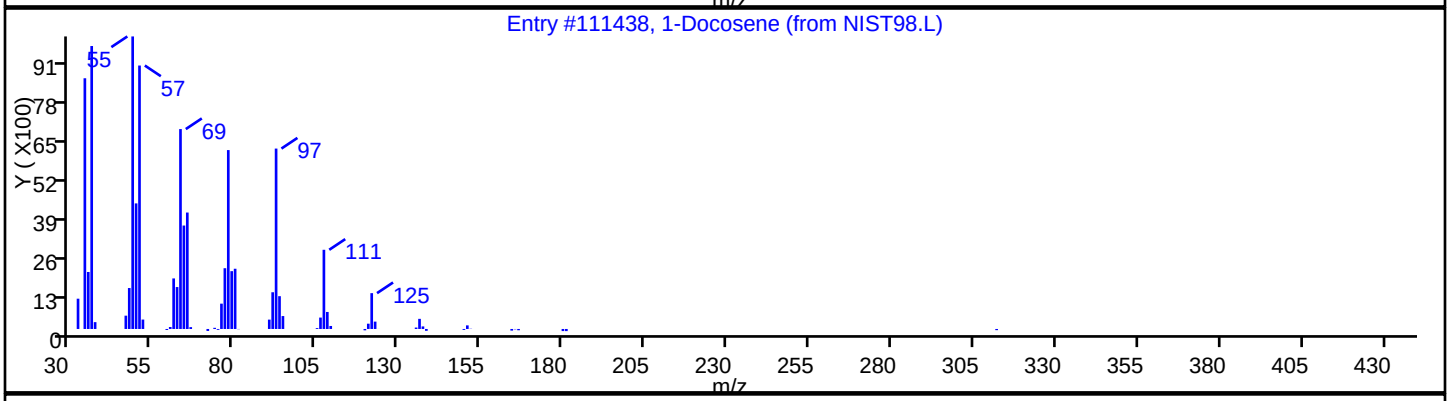
Sample Info: 360-24582-a-11-c 10X

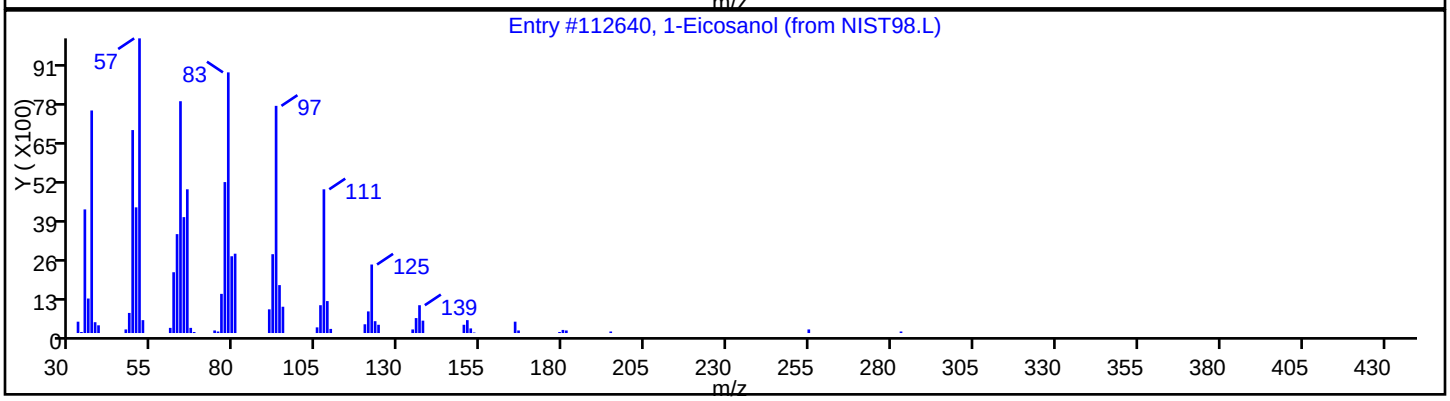
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	99
1-Docosene	1599-67-3	NIST98.L	111438	94
1-Eicosanol	629-96-9	NIST98.L	112640	93









Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

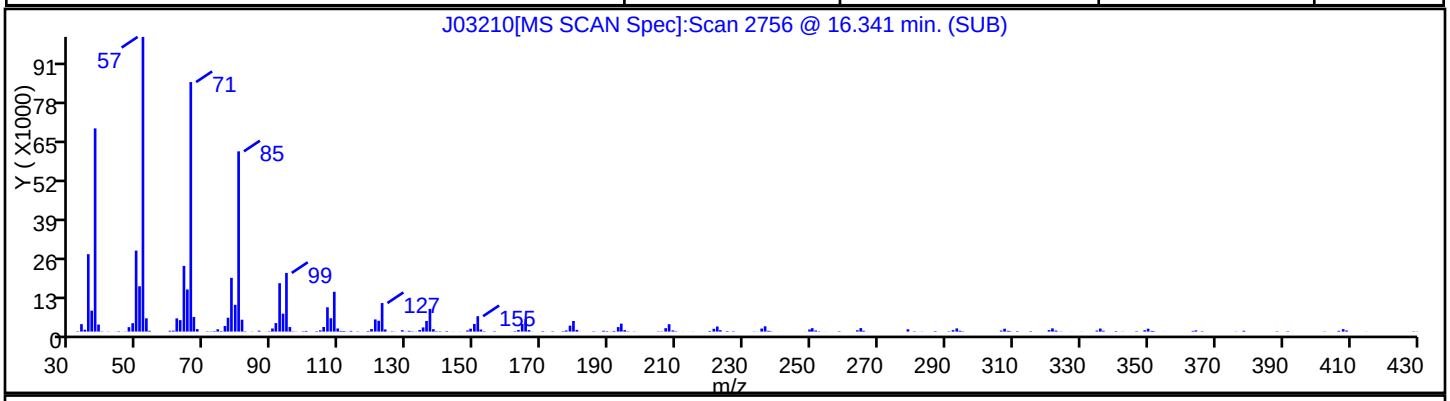
Lims Batch ID: 49648 Lims Sample ID: 29

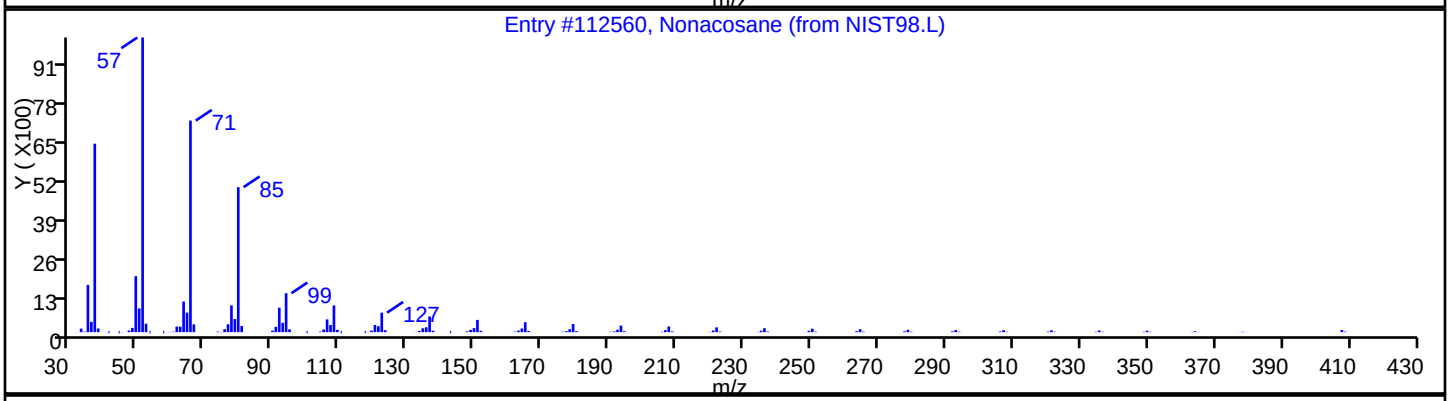
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

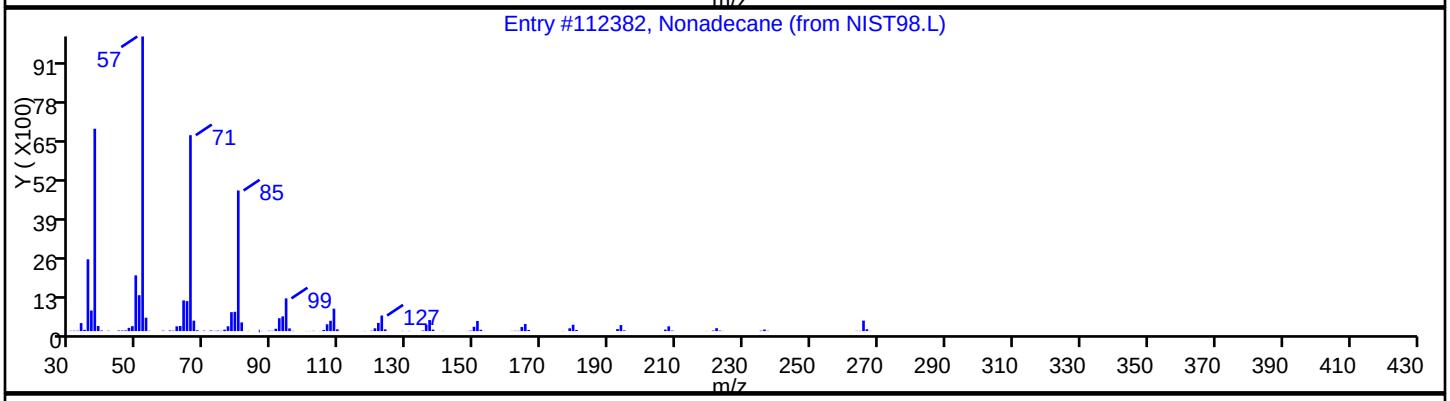
Sample Info: 360-24582-a-11-c 10X

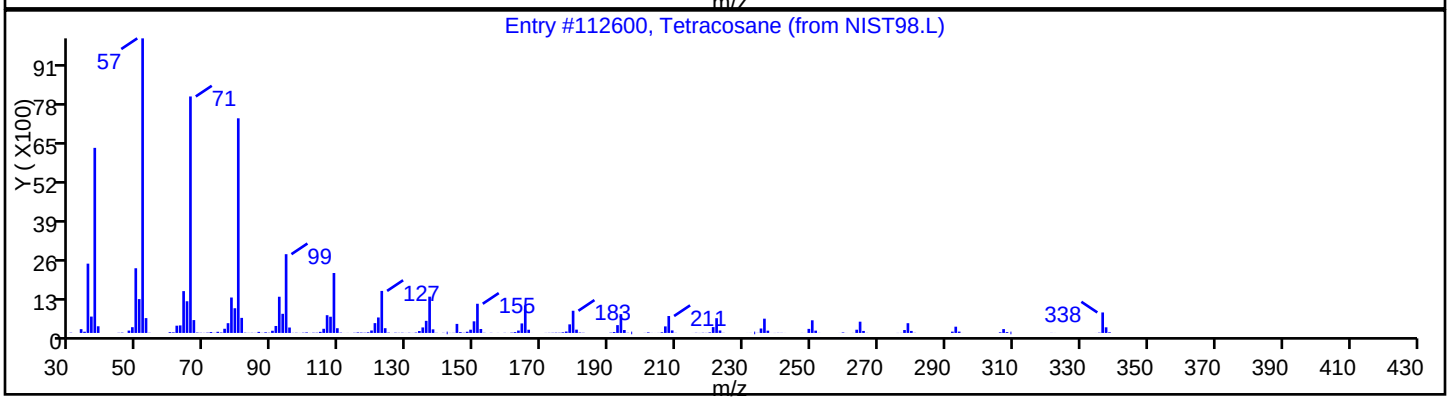
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	98
Nonadecane	629-92-5	NIST98.L	112382	95
Tetracosane	646-31-1	NIST98.L	112600	94









Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

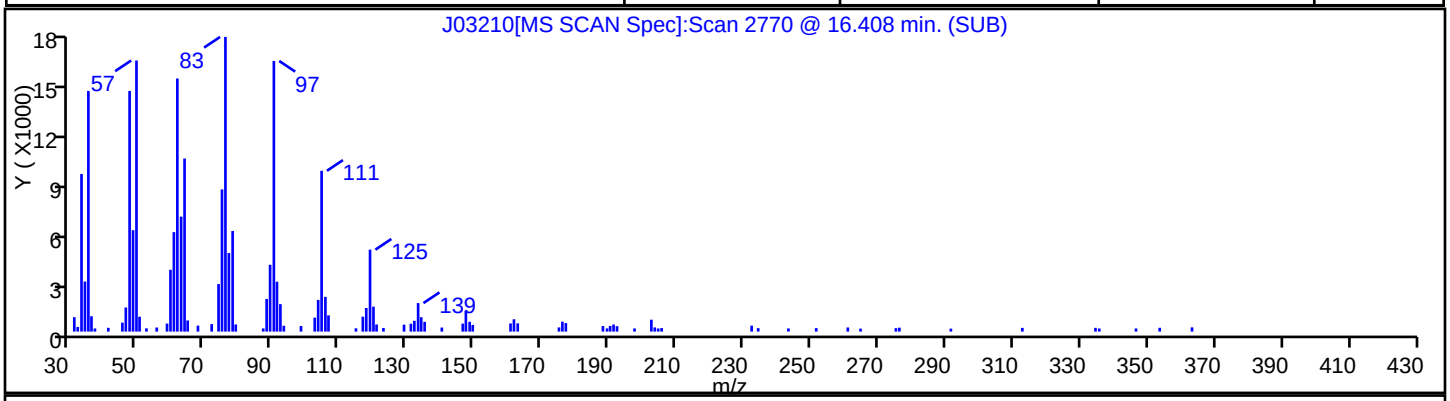
Lims Batch ID: 49648 Lims Sample ID: 29

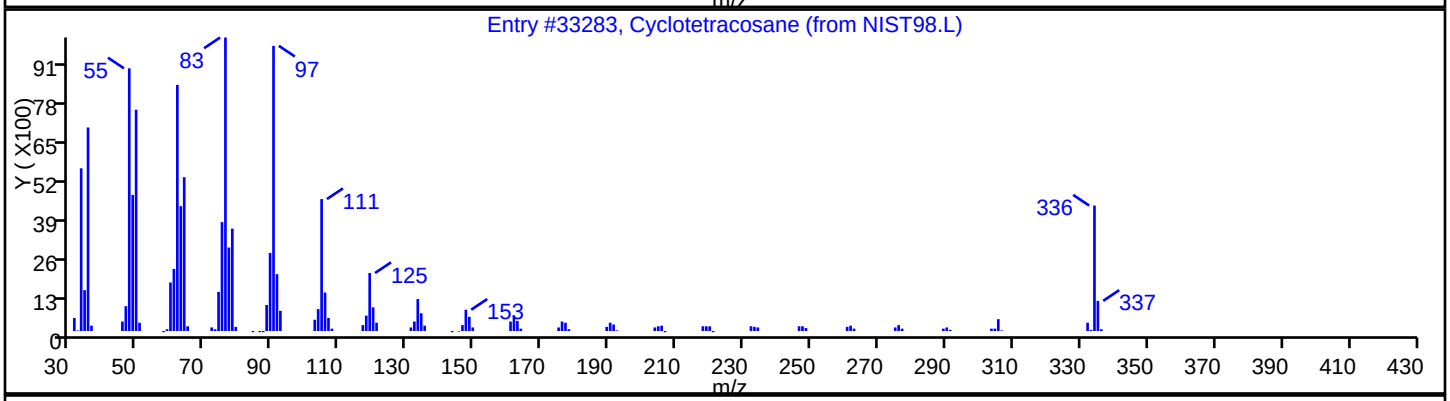
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

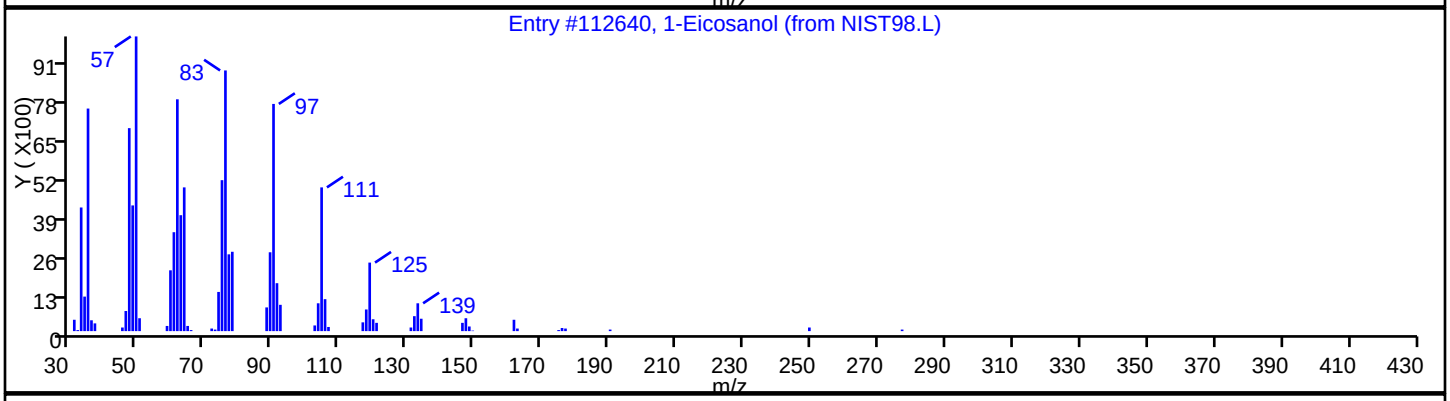
Sample Info: 360-24582-a-11-c 10X

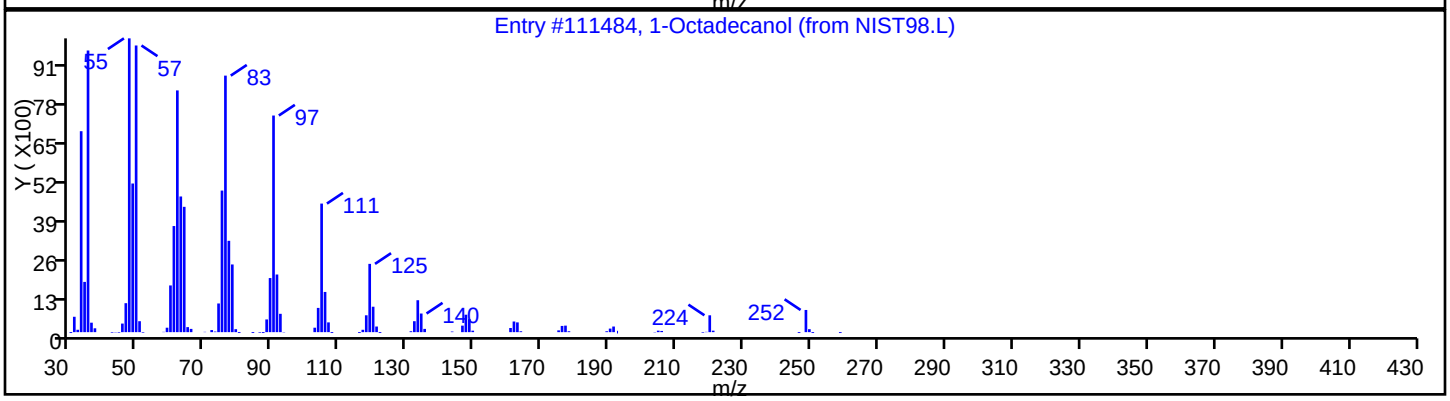
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	97
1-Eicosanol	629-96-9	NIST98.L	112640	95
1-Octadecanol	112-92-5	NIST98.L	111484	91









Report Date: 30-Sep-2009 09:11:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

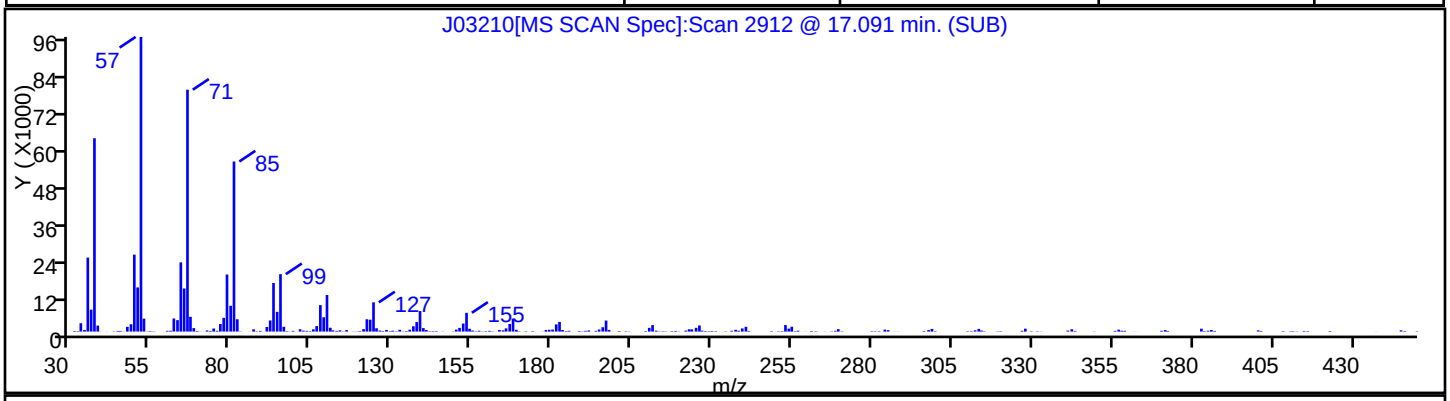
Lims Batch ID: 49648 Lims Sample ID: 29

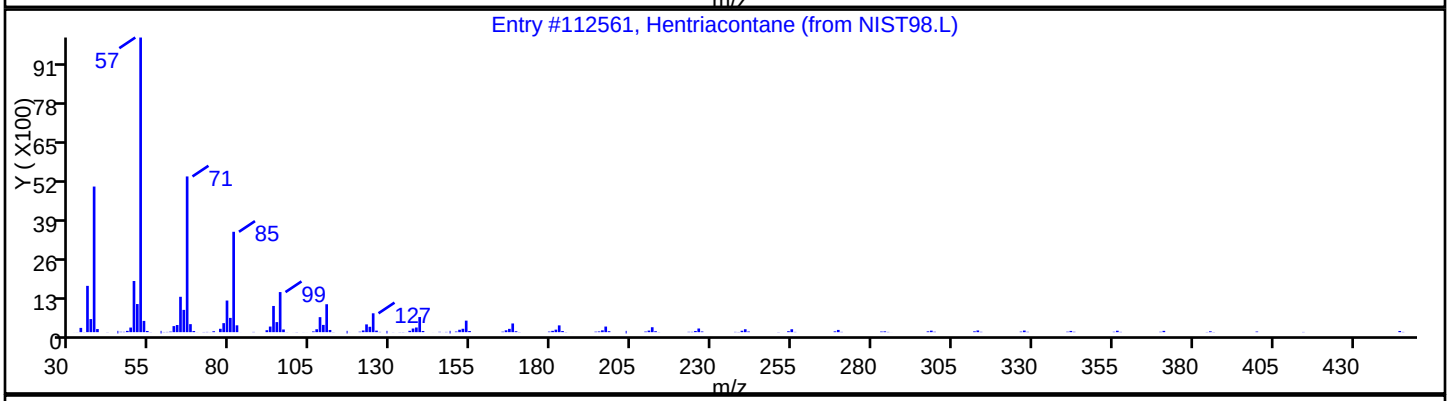
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

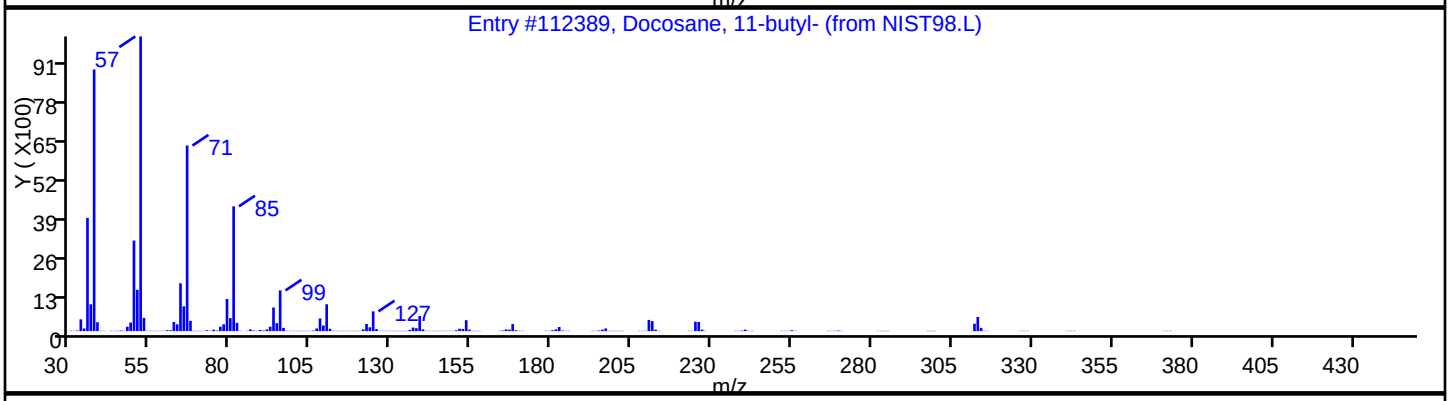
Sample Info: 360-24582-a-11-c 10X

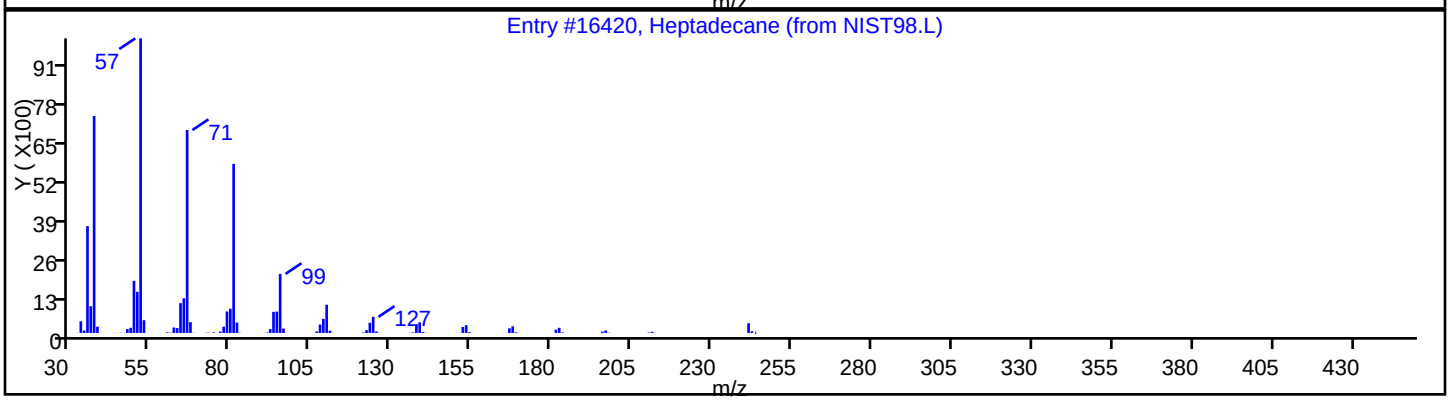
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hentriacontane	630-4-6	NIST98.L	112561	97
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	93
Heptadecane	629-78-7	NIST98.L	16420	93









Report Date: 30-Sep-2009 09:11:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

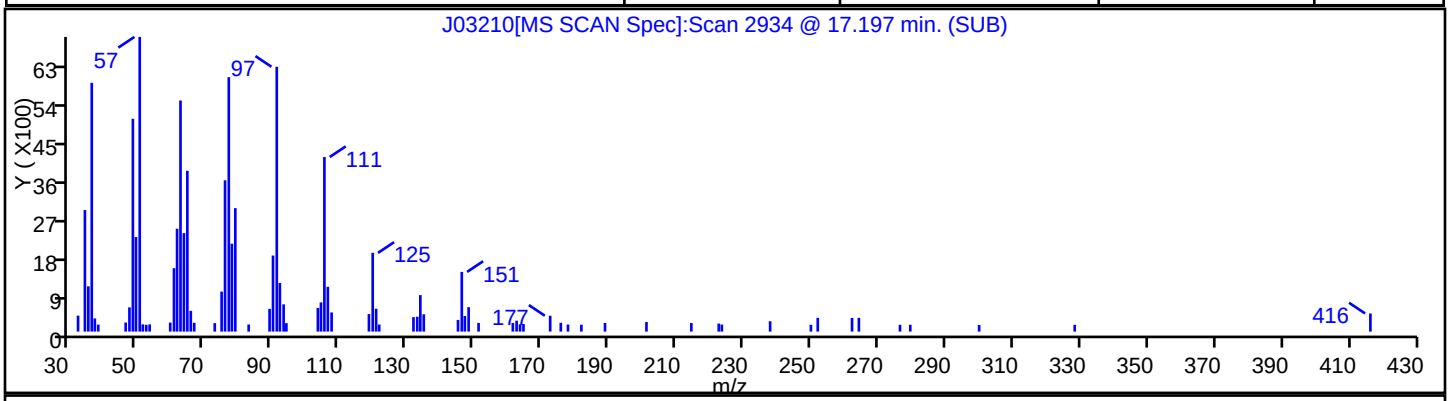
Lims Batch ID: 49648 Lims Sample ID: 29

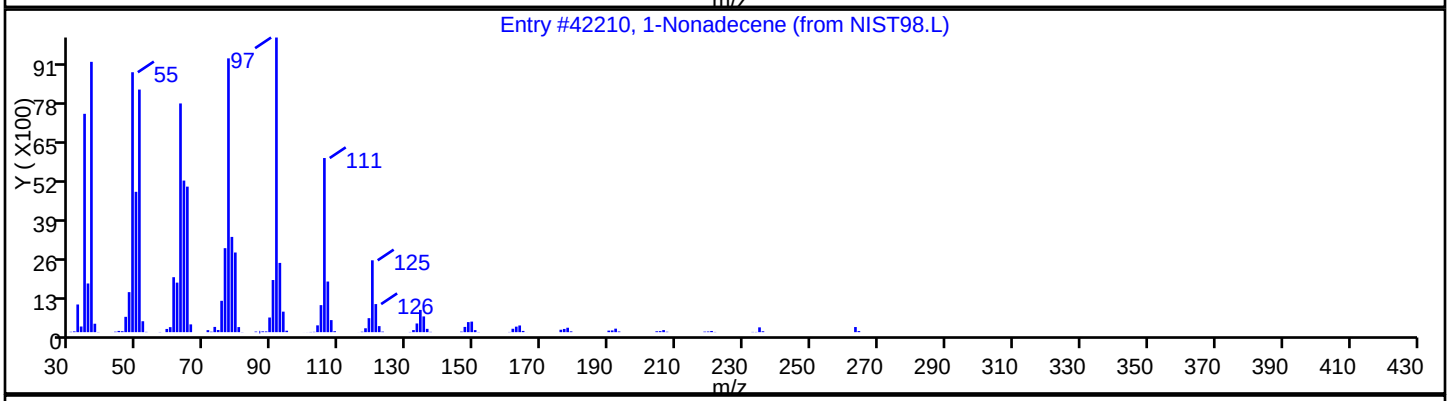
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

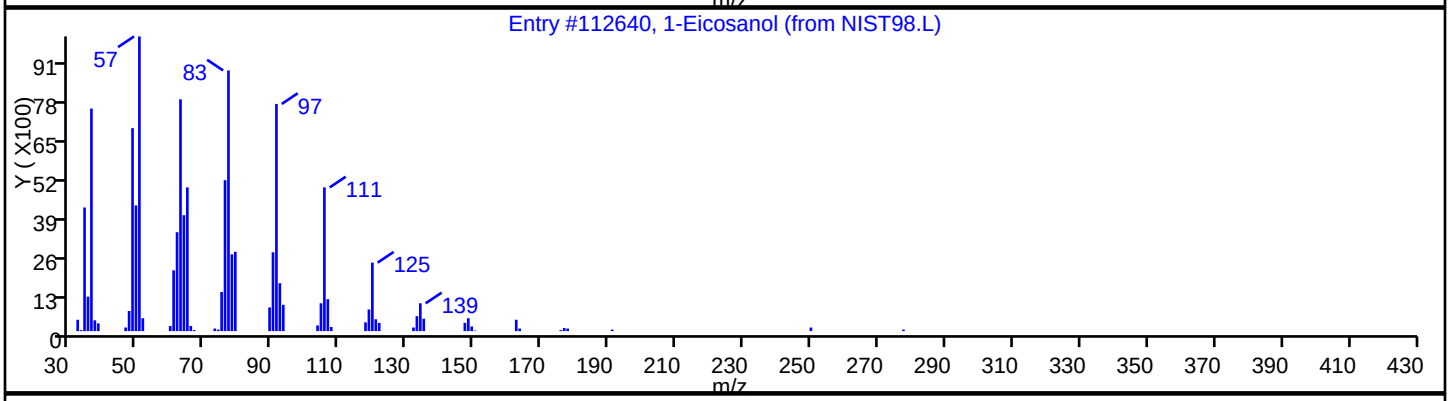
Sample Info: 360-24582-a-11-c 10X

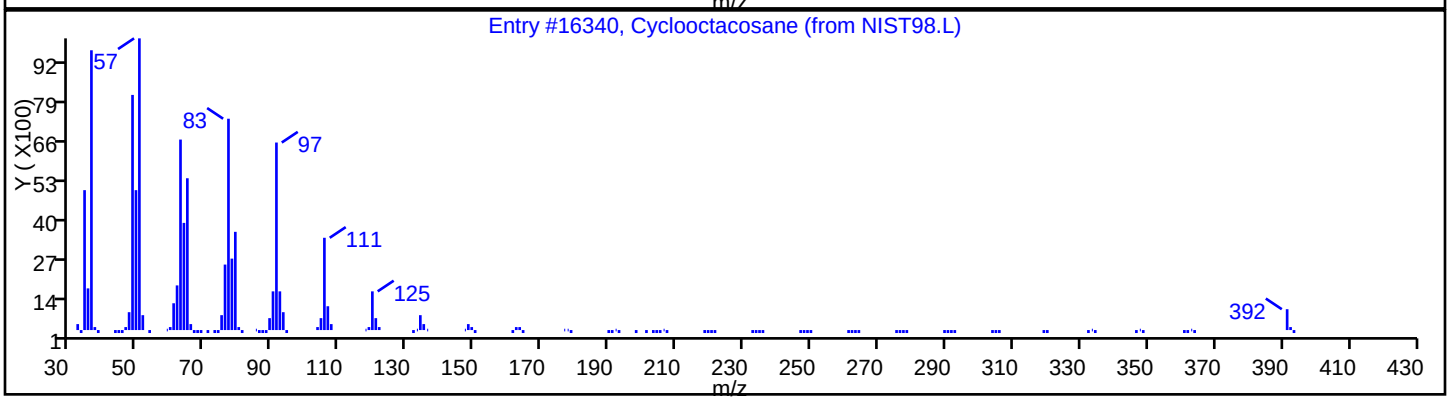
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Nonadecene	18435-45-5	NIST98.L	42210	93
1-Eicosanol	629-96-9	NIST98.L	112640	91
Cyclooctacosane	297-24-5	NIST98.L	16340	91









Report Date: 30-Sep-2009 09:11:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

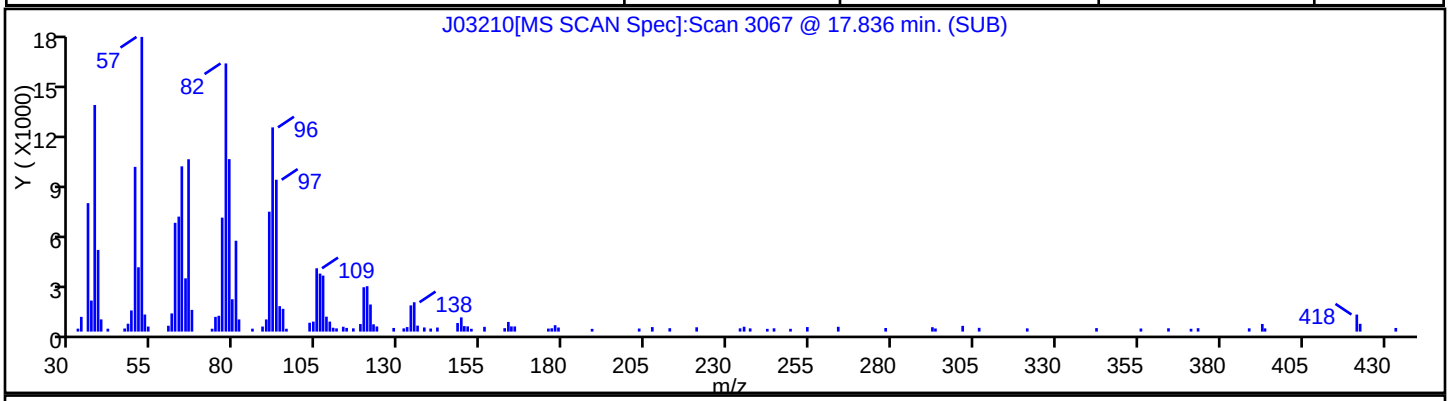
Lims Batch ID: 49648 Lims Sample ID: 29

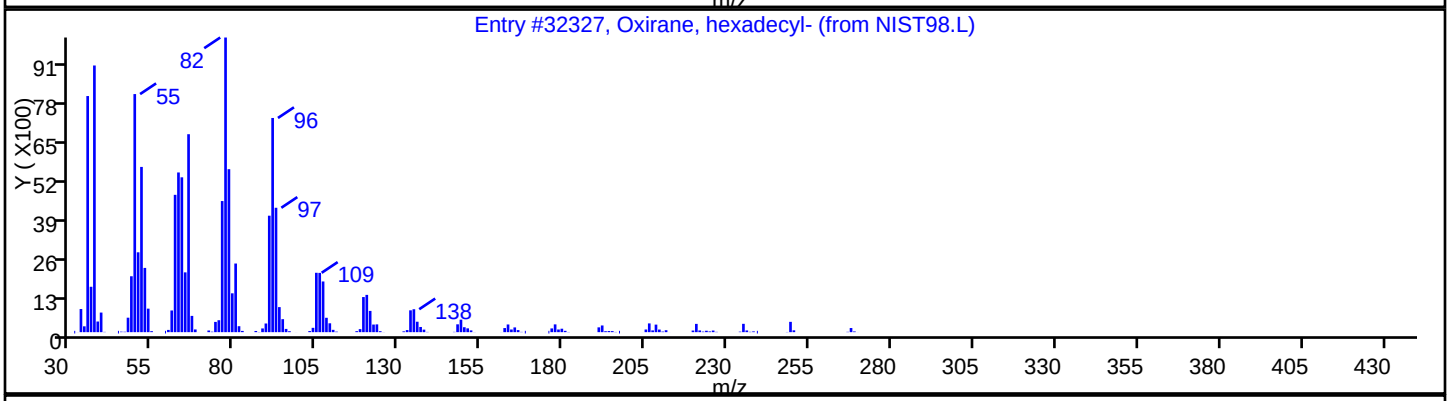
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

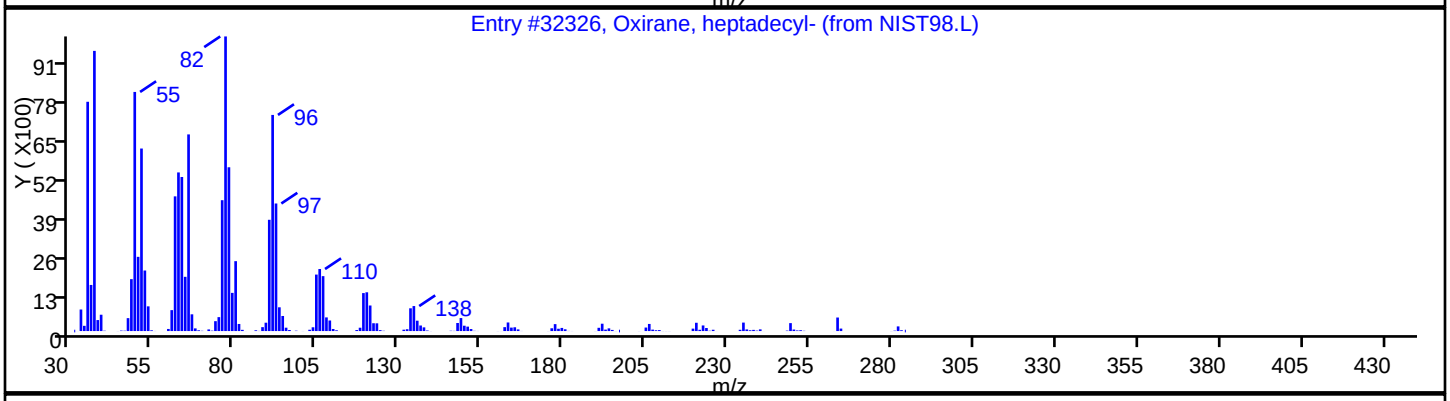
Sample Info: 360-24582-a-11-c 10X

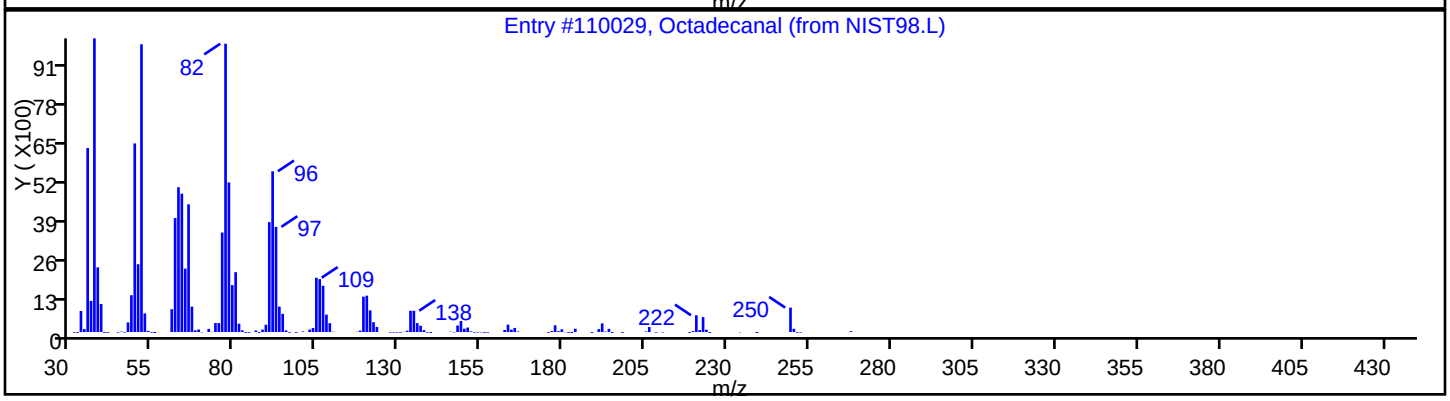
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	91
Octadecanal	638-66-4	NIST98.L	110029	86









Report Date: 30-Sep-2009 09:11:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03210.D

Inj Date: 29-Sep-2009 04:55:30 Limit Group: SMS - 8270LL SVOA Calibration

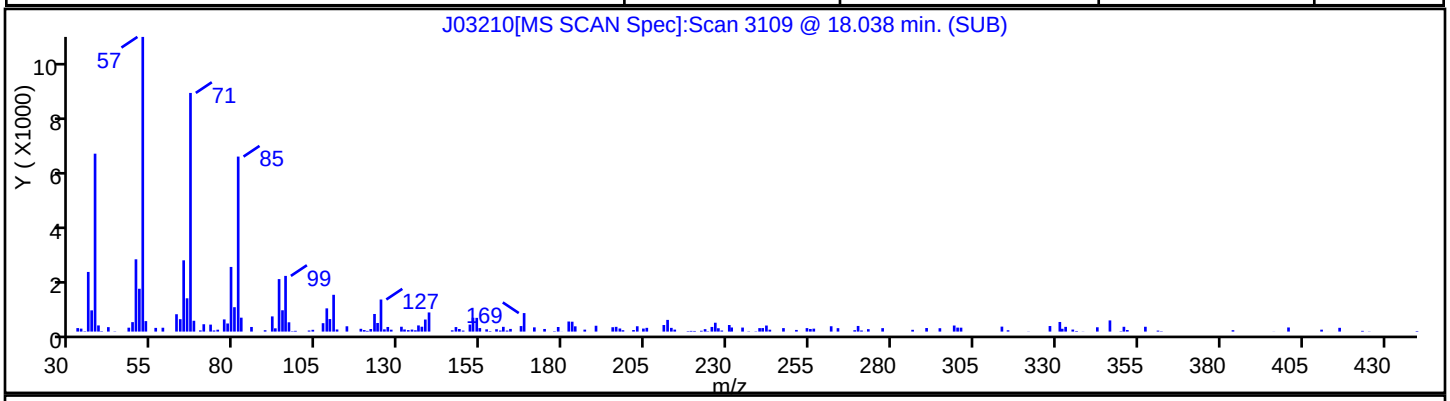
Lims Batch ID: 49648 Lims Sample ID: 29

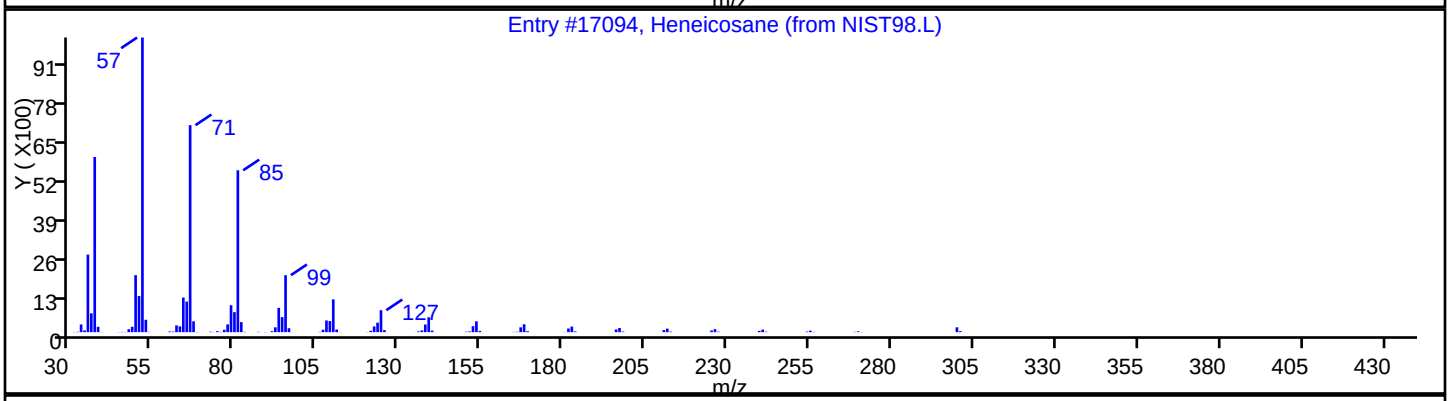
Client ID: OC-SS-406-0.0/1.0.-XXX Instrument: Inst. J

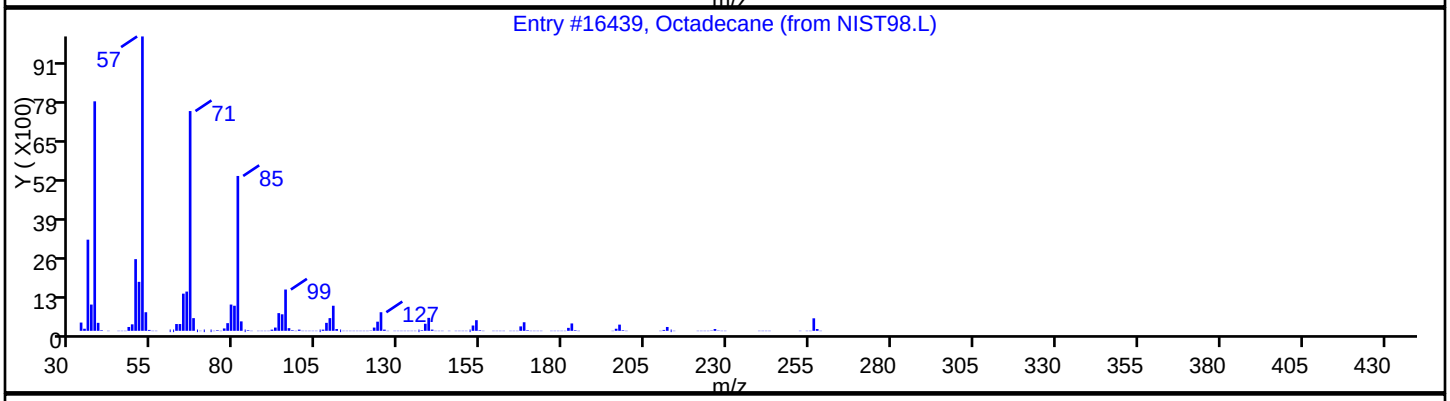
Sample Info: 360-24582-a-11-c 10X

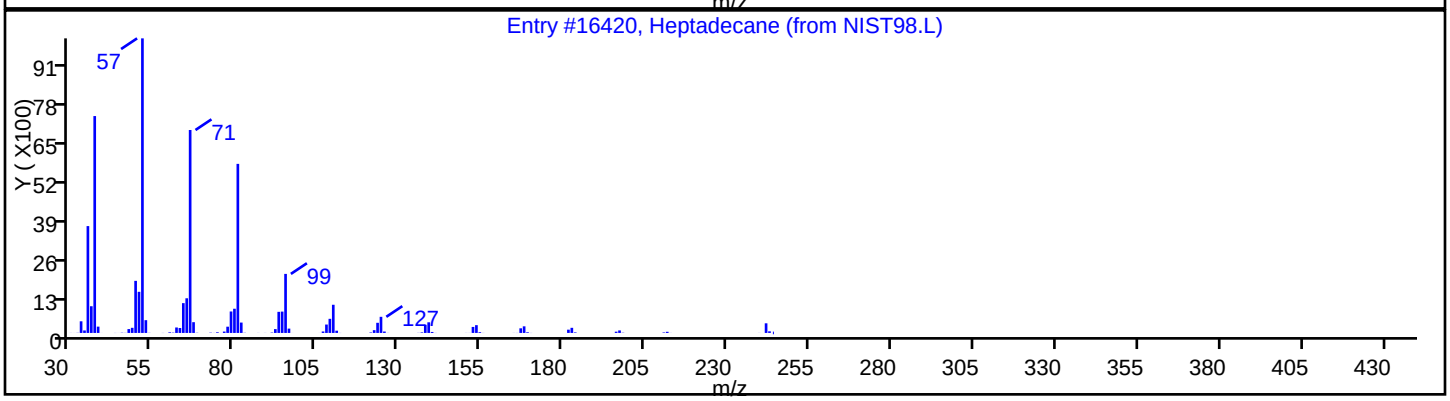
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	98
Octadecane	593-45-3	NIST98.L	16439	95
Heptadecane	629-78-7	NIST98.L	16420	95









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: J03211.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.45(g) | Date Analyzed: 09/29/2009 05:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		370	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		370	110
120-82-1	1,2,4-Trichlorobenzene	ND		370	110
95-50-1	1,2-Dichlorobenzene	ND		370	110
541-73-1	1,3-Dichlorobenzene	ND		370	110
106-46-7	1,4-Dichlorobenzene	ND		370	110
90-12-0	1-Methylnaphthalene	ND		370	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		370	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		370	110
95-95-4	2,4,5-Trichlorophenol	ND		370	110
88-06-2	2,4,6-Trichlorophenol	ND		370	110
120-83-2	2,4-Dichlorophenol	ND	*	370	110
105-67-9	2,4-Dimethylphenol	ND		370	140
51-28-5	2,4-Dinitrophenol	ND		370	110
121-14-2	2,4-Dinitrotoluene	ND		370	110
606-20-2	2,6-Dinitrotoluene	ND		370	110
91-58-7	2-Chloronaphthalene	ND		370	110
95-57-8	2-Chlorophenol	ND		370	110
91-57-6	2-Methylnaphthalene	ND		370	110
95-48-7	2-Methylphenol	ND		370	220
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		370	110
15831-10-4	3 & 4 Methylphenol	ND		370	110
91-94-1	3,3'-Dichlorobenzidine	ND		740	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		370	110
59-50-7	4-Chloro-3-methylphenol	ND		740	110
106-47-8	4-Chloroaniline	ND		740	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		370	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		370	110
208-96-8	Acenaphthylene	ND		370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: J03211.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.45(g) | Date Analyzed: 09/29/2009 05:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		370	110
62-53-3	Aniline	ND	*	370	110
120-12-7	Anthracene	ND		370	110
1912-24-9	Atrazine	ND		370	110
103-33-3	Azobenzene	ND		370	110
100-52-7	Benzaldehyde	ND		370	110
56-55-3	Benzo[a]anthracene	ND		370	110
50-32-8	Benzo[a]pyrene	ND		370	110
205-99-2	Benzo[b]fluoranthene	110	J	370	110
191-24-2	Benzo[g,h,i]perylene	ND		370	110
207-08-9	Benzo[k]fluoranthene	ND		370	110
65-85-0	Benzoic acid	ND		1800	170
119-61-9	Benzophenone	ND		370	110
100-51-6	Benzyl alcohol	ND		740	310
111-91-1	Bis(2-chloroethoxy)methane	ND		370	110
111-44-4	Bis(2-chloroethyl)ether	ND		370	110
117-81-7	Bis(2-ethylhexyl) phthalate	1400	B	370	110
85-68-7	Butyl benzyl phthalate	ND		370	110
105-60-2	Caprolactam	ND		370	110
86-74-8	Carbazole	ND		370	110
218-01-9	Chrysene	140	J	370	110
53-70-3	Dibenz(a,h)anthracene	ND		370	110
132-64-9	Dibenzofuran	ND		370	110
84-66-2	Diethyl phthalate	ND		370	110
131-11-3	Dimethyl phthalate	ND		370	110
84-74-2	Di-n-butyl phthalate	ND		370	320
117-84-0	Di-n-octyl phthalate	ND		370	190
101-84-8	Diphenyl oxide	ND		370	110
206-44-0	Fluoranthene	210	J	370	110
86-73-7	Fluorene	ND		370	110
118-74-1	Hexachlorobenzene	ND		370	110
87-68-3	Hexachlorobutadiene	ND		370	110
77-47-4	Hexachlorocyclopentadiene	ND		740	110
67-72-1	Hexachloroethane	ND		370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: J03211.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.45(g) | Date Analyzed: 09/29/2009 05:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	370	110
78-59-1	Isophorone	ND		370	110
91-20-3	Naphthalene	ND		880	110
98-95-3	Nitrobenzene	ND		370	110
62-75-9	N-Nitrosodimethylamine	ND		370	130
621-64-7	N-Nitrosodi-n-propylamine	ND		370	110
86-30-6	N-Nitrosodiphenylamine	ND		370	110
87-86-5	Pentachlorophenol	ND		370	110
85-01-8	Phenanthrene	ND		440	110
108-95-2	Phenol	ND		370	110
129-00-0	Pyrene	190	J	370	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	74	30-130	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	73	30-130	
4165-60-0	Nitrobenzene-d5	68	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-407-0.0/1.0-XXX | Lab Sample ID: 360-24582-12

Matrix: Solid | Lab File ID: J03211.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.45(g) | Date Analyzed: 09/29/2009 05:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 68380

CAS NO.	COMPOUND NAME	RT	RESULT	Q
4237-44-9	Phenol, 2-(1-phenylethyl)-	12.23	440	T J N
84-15-1	o-Terphenyl	13.00	420	T J N
149-30-4	2-Mercaptobenzothiazole	13.33	530	T J N
2467-2-9	Phenol, 2,2''-methylenebis-	13.41	850	T J N
620-92-8	Phenol, 4,4''-methylenebis-	13.66	1100	T J N
629-92-5	Nonadecane	15.68	350	T J N
593-45-3	Octadecane	16.34	1100	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.86	63000	T J N
7098-22-8	Tetratetracontane	17.09	590	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Lims ID:	360-24582-A-12-C	Client ID:	OC-SS-407-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 05:28:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-12-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49648	Lims Sample ID:	30
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:14:01	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:14:01

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	53887	2.00	
* 2 Naphthalene-d8	136	9.349	9.349	0.000	133956	2.00	
* 3 Acenaphthene-d10	164	11.133	11.133	0.000	70130	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	111719	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	64800	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	50418	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	11590	0.7273	
$ 8 Phenol-d5	99	7.685	7.680	0.005	13053	0.6922	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	6421	0.3413	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.000	15116	0.3727	
$ 11 2,4,6-Tribromophenol	330	11.936	11.936	0.000	2880	0.7359	
$ 12 Terphenyl-d14	244	14.201	14.201	0.000	9145	0.3922	
17 Benzaldehyde	105	7.599	7.599	0.000	791	0.0803	
18 Phenol	94	7.700	7.695	0.005	1721	0.0849	
19 Aniline	93	7.743	7.743	0.000	601	0.0253	
30 Acetophenone	105	8.469	8.469	0.000	3445	0.1560	
58 Acenaphthylene	152	10.984	10.984	0.000	1425	0.0276	
80 Phenanthrene	178	12.643	12.643	0.000	7438	0.1613	
81 Anthracene	178	12.687	12.686	0.001	1463	0.0286	
83 Carbazole	167	12.845	12.840	0.005	1444	0.0361	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	5361	0.0919	
87 Fluoranthene	202	13.850	13.850	0.000	25904	0.5606	
85 Pyrene	202	14.091	14.091	0.000	19965	0.5233	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.283	0.000	84719	3.68	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	6016	0.2299	
94 Chrysene	228	15.404	15.408	-0.004	10249	0.3928	
97 Benzo[b]fluoranthene	252	16.543	16.543	0.000	8778	0.3056	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	7484	0.2770	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
99 Benzo[a]pyrene	252	16.947	16.947	0.000	3618	0.1958	M
100 Indeno[1,2,3-cd]pyrene	276	18.549	18.553	-0.004	3355	0.2545	
102 Benzo[g,h,i]perylene	276	19.029	19.020	0.009	2757	0.2218	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Lims ID:	360-24582-A-12-C	Client ID:	OC-SS-407-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 05:28:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-12-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49648	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:14:01	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:14:01

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,4-Dioxane	3.949	40	0.1310	
1,2-Diphenylhydrazine	11.763	1039	0.0272	
Benzidine	13.927	414	0.9155	
Diphenylamine	11.768	4926	0.1631	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
95-16-9	Benzothiazole					
9.633	36137	0.2445	2	97	122345	
123-8-0	Benzaldehyde, 4-hydroxy-					
10.277	47109	0.2658	3	94	54810	
4237-44-9	Phenol, 2-(1-phenylethyl)-					
12.225	158014	1.18	4	91	78605	
489-84-9	Azulene, 1,4-dimethyl-7-(1-methylethyl)-					
12.586	114959	0.8587	4	91	125527	
84-15-1	o-Terphenyl					
13.004	151422	1.13	4	98	89651	
149-30-4	2-Mercaptobenzothiazole					
13.331	192402	1.44	4	94	73281	
2467-2-9	Phenol, 2,2'-methylenebis-					
13.413	308725	2.31	4	93	119714	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
620-92-8 Phenol, 4,4'-methylenebis-						
13.663	393110	2.94	4	99	48712	
544-76-3 Hexadecane						
14.288	44127	0.2804	5	95	112410	
629-99-2 Pentacosane						
14.995	61293	0.3894	5	94	17109	
629-96-9 1-Eicosanol						
15.029	127465	0.8099	5	86	112640	
629-92-5 Nonadecane						
15.678	150251	0.9547	5	93	112382	
593-45-3 Octadecane						
16.337	196657	3.11	6	97	112333	
26603-23-6 p,p'-Dioctyldiphenylamine						
16.856	10886778	172.0	6	98	101420	
7098-22-8 Tetratetracontane						
17.092	102143	1.61	6	87	16486	

Quantitation Compounds

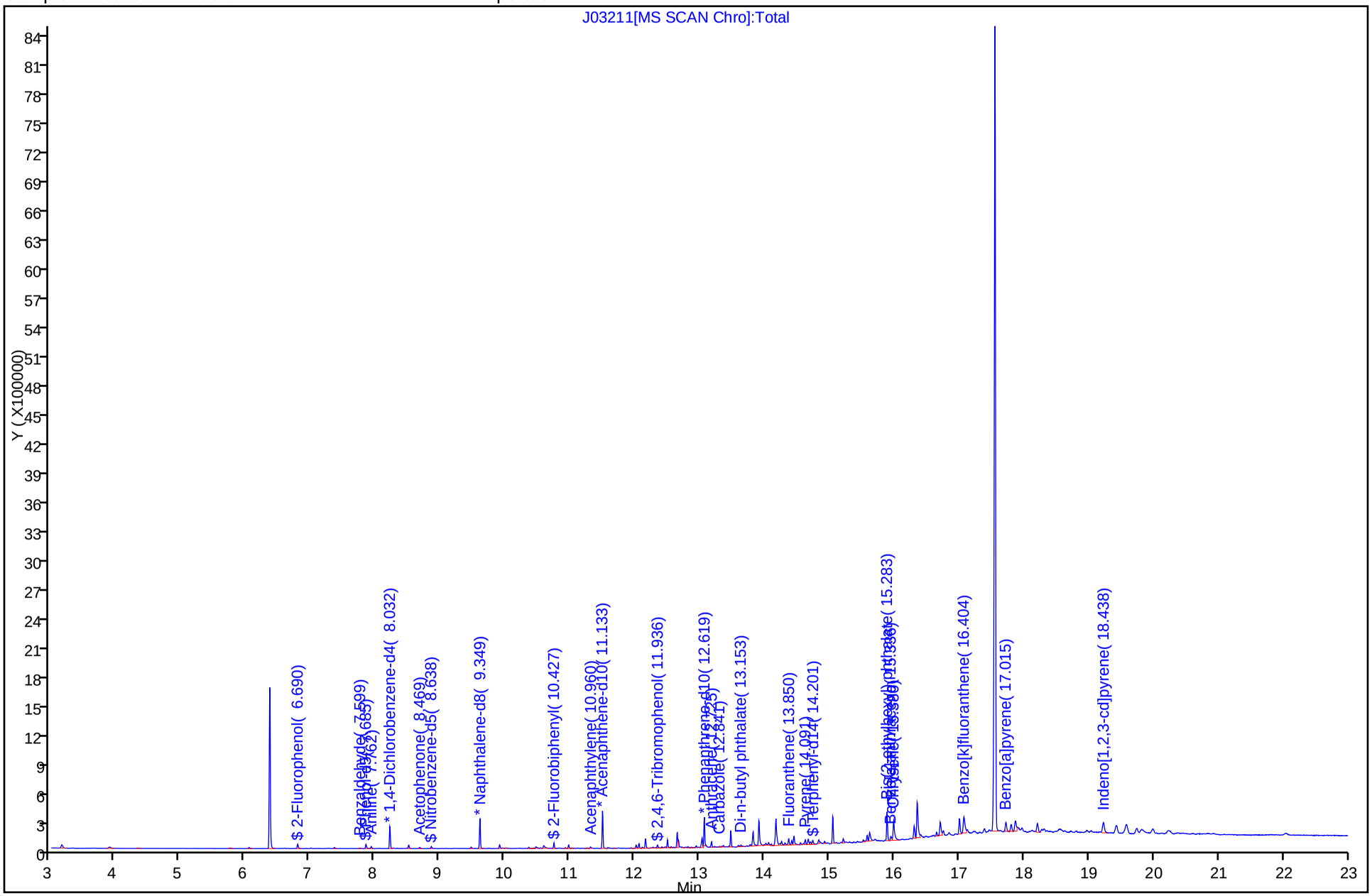
Compound	RT	Response	Amount ug/mL
* 2 Naphthalene-d8	9.349	295545	2.00
* 3 Acenaphthene-d10	11.133	354455	2.00
* 4 Phenanthrene-d10	12.619	267746	2.00
* 5 Chrysene-d12	15.380	314776	2.00
* 6 Perylene-d12	17.015	126625	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:14:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

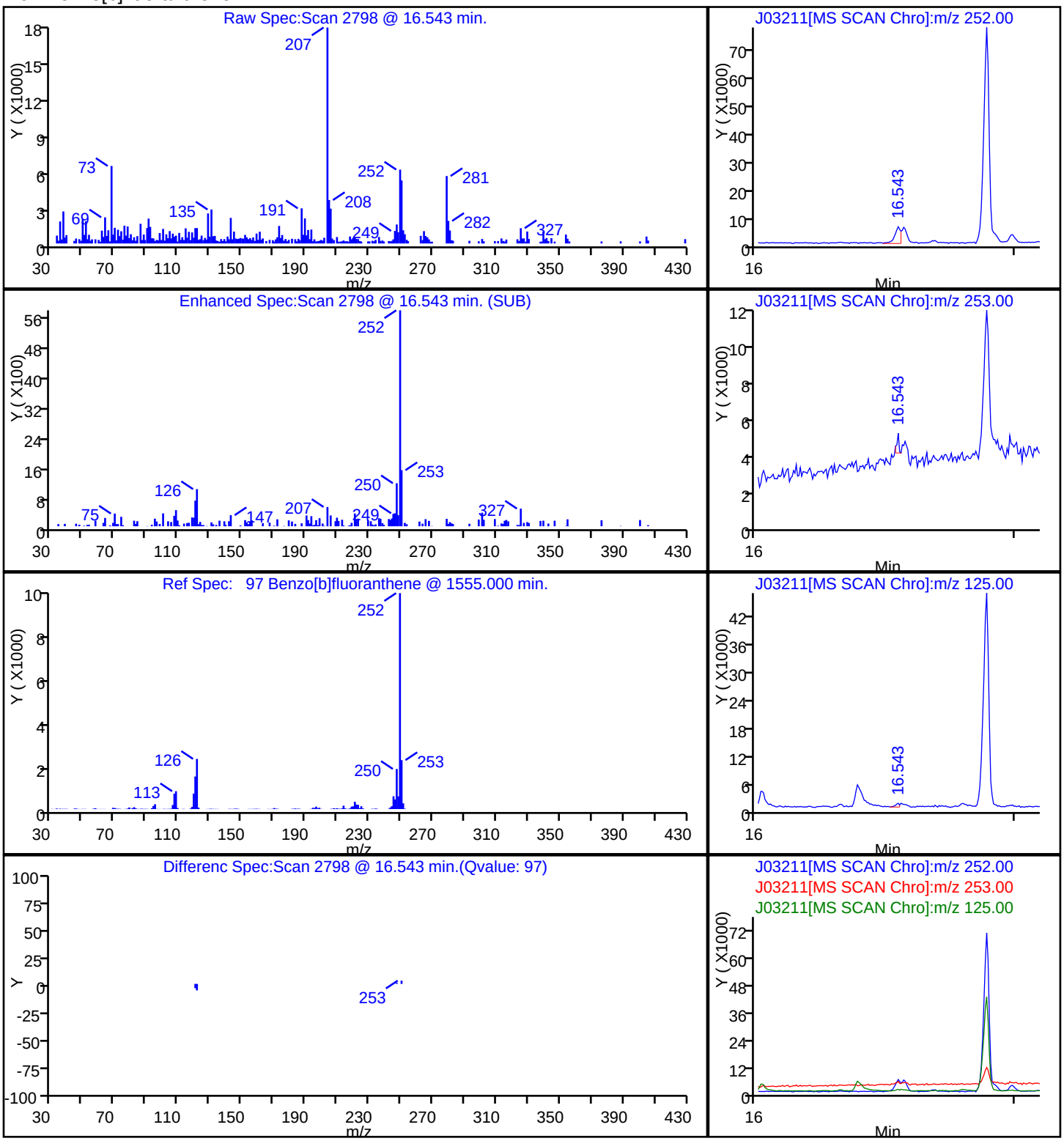
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:14:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	

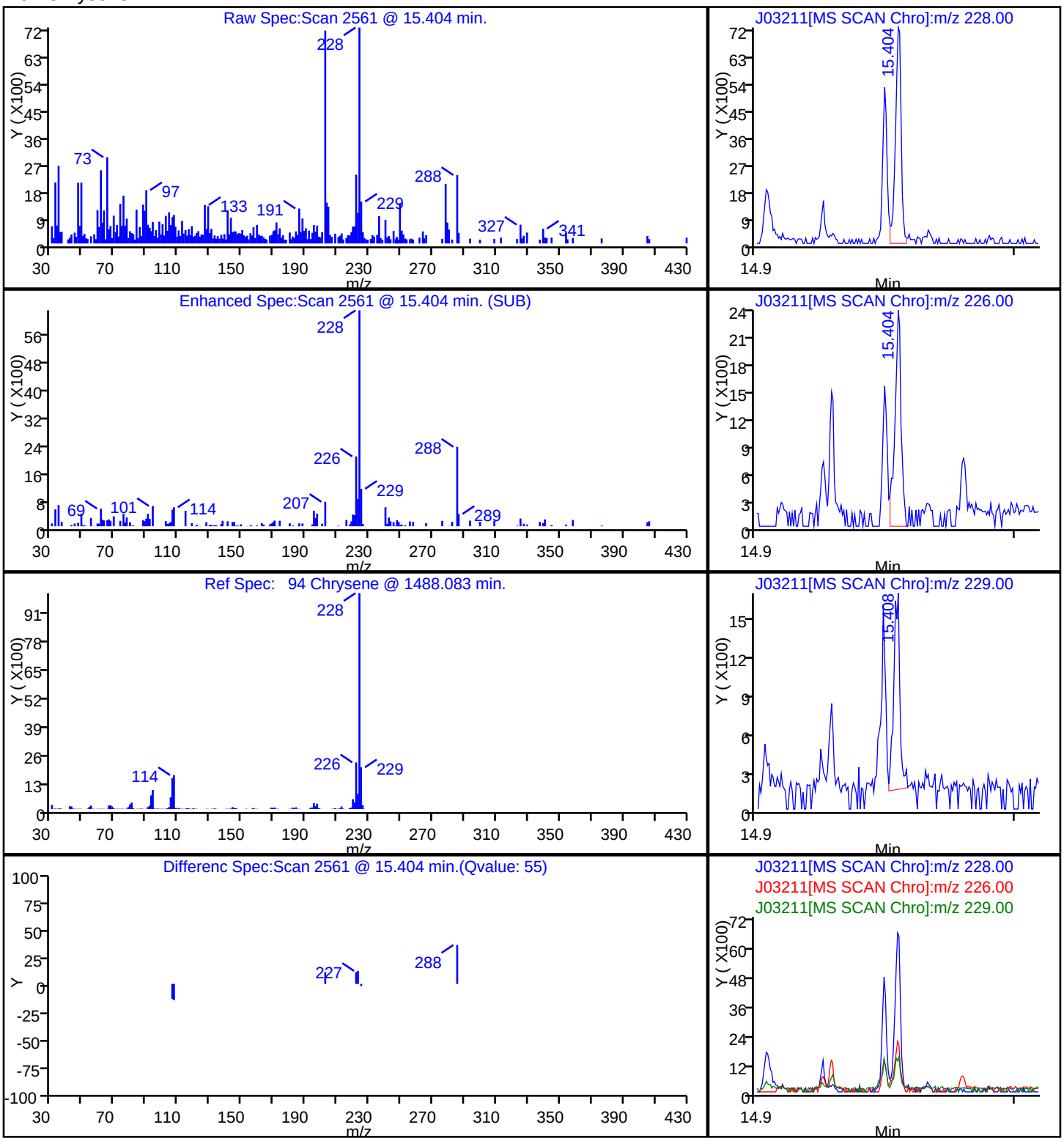
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 09:14:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	

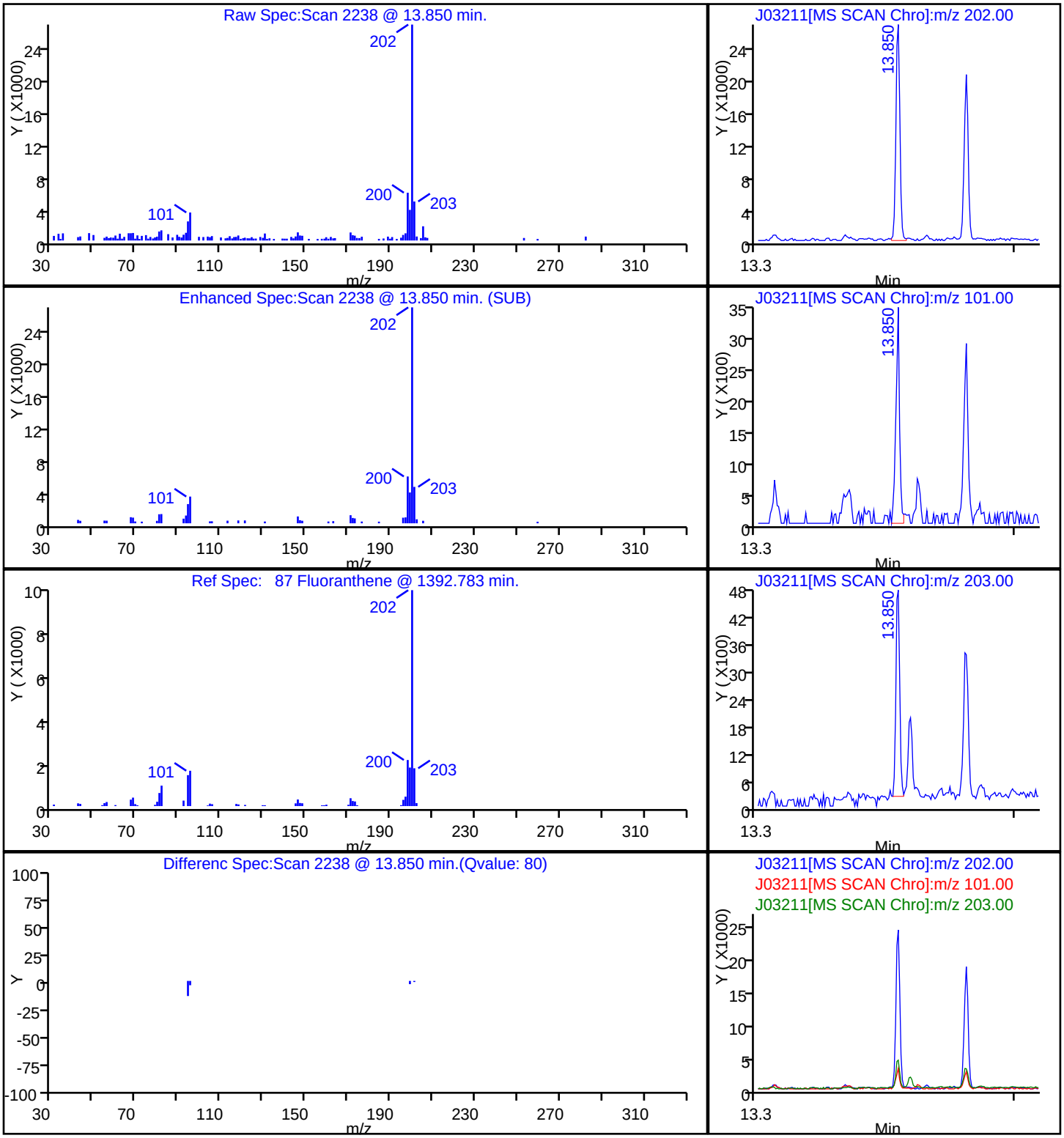
94 Chrysene



Report Date: 30-Sep-2009 09:14:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	

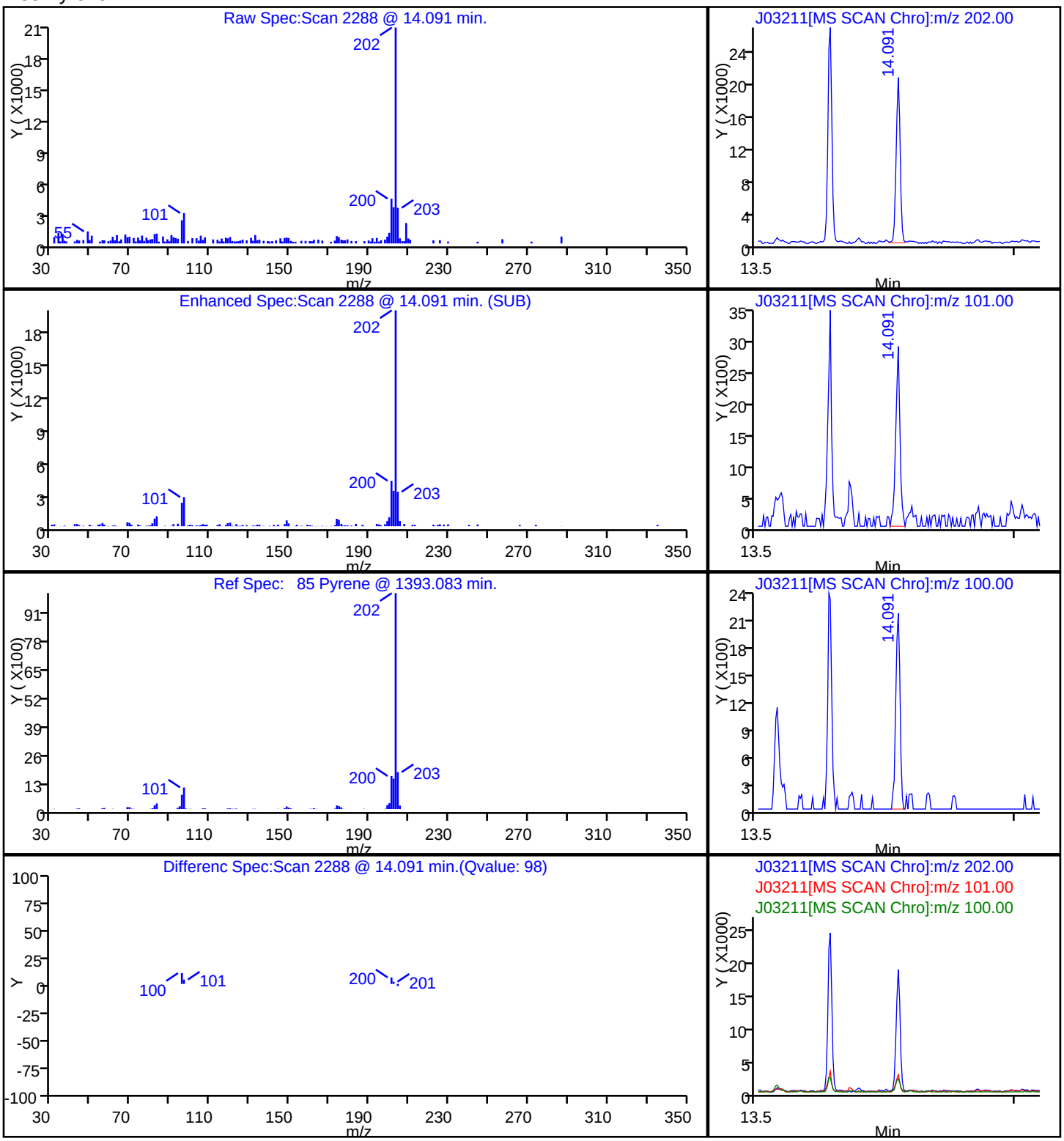
87 Fluoranthene



Report Date: 30-Sep-2009 09:14:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

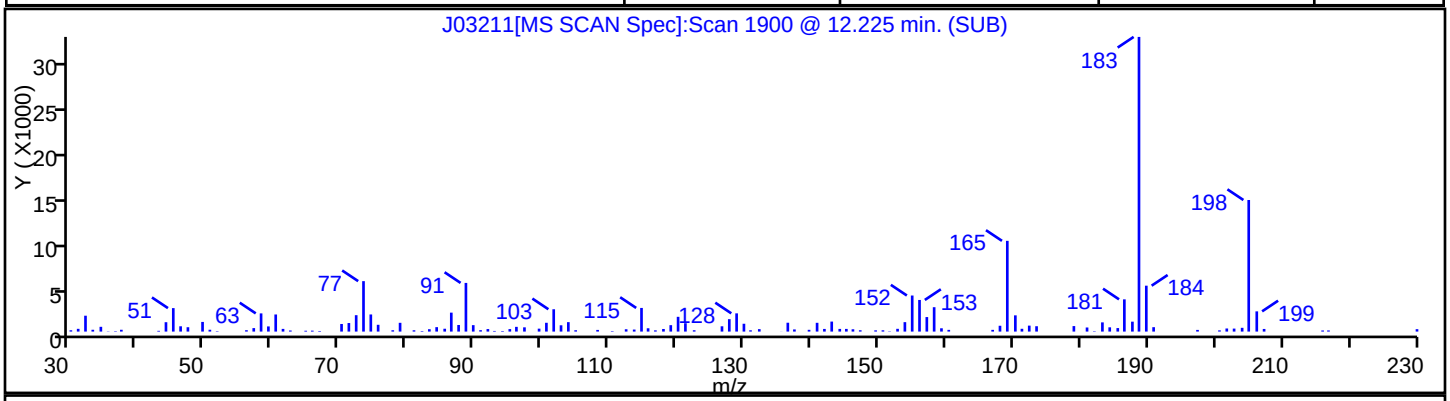
Lims Batch ID: 49648 Lims Sample ID: 30

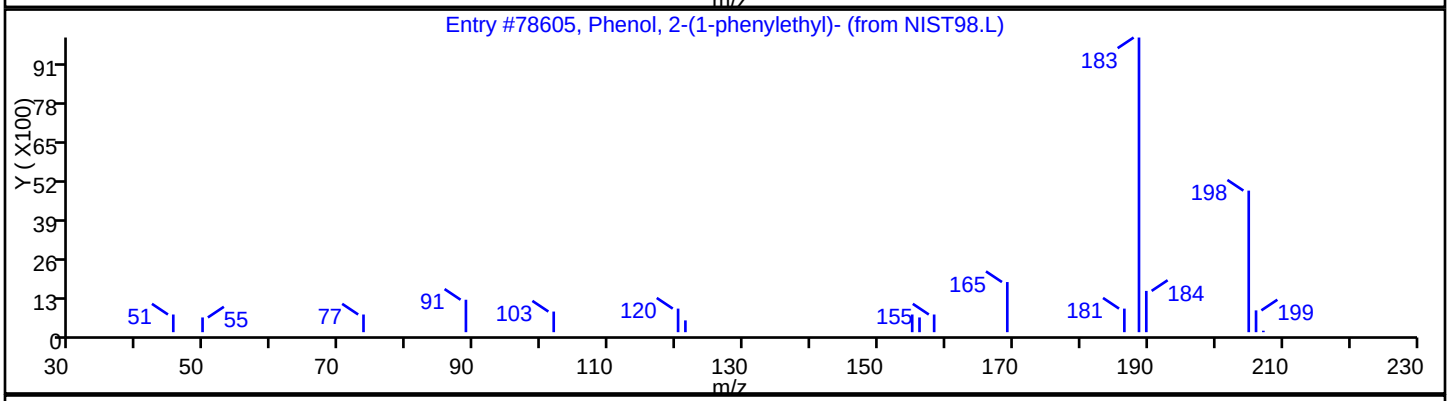
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

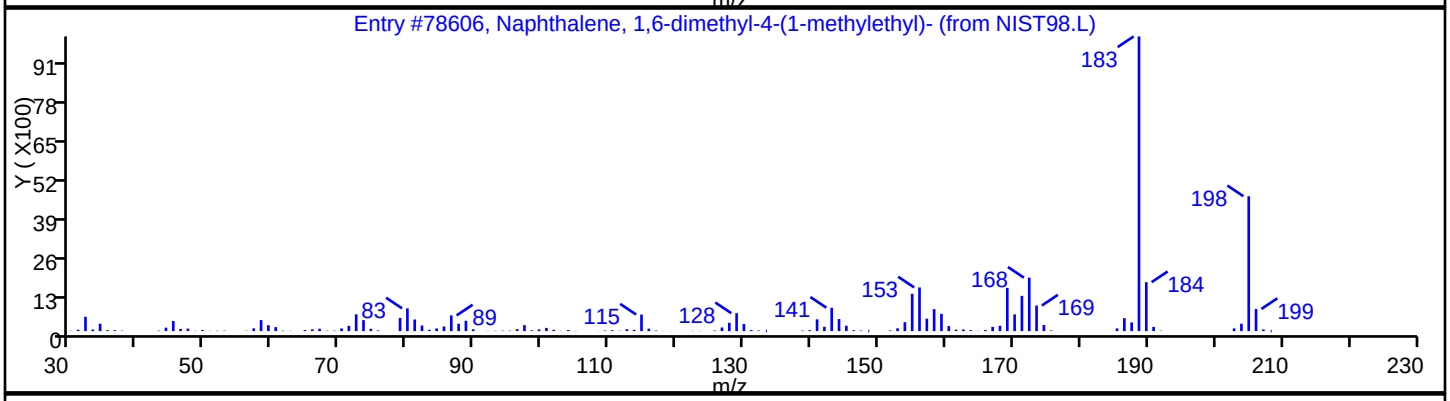
Sample Info: 360-24582-a-12-c 10X

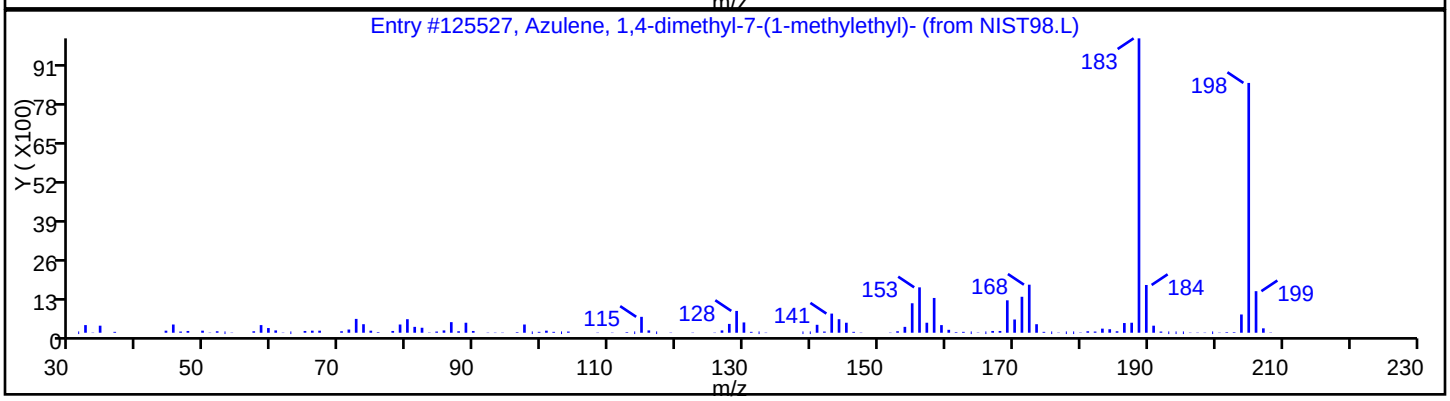
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2-(1-phenylethyl)-	4237-44-9	NIST98.L	78605	91
Naphthalene, 1,6-dimethyl-4-(1-methyleth	483-78-3	NIST98.L	78606	90
Azulene, 1,4-dimethyl-7-(1-methylethyl)-	489-84-9	NIST98.L	125527	83









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

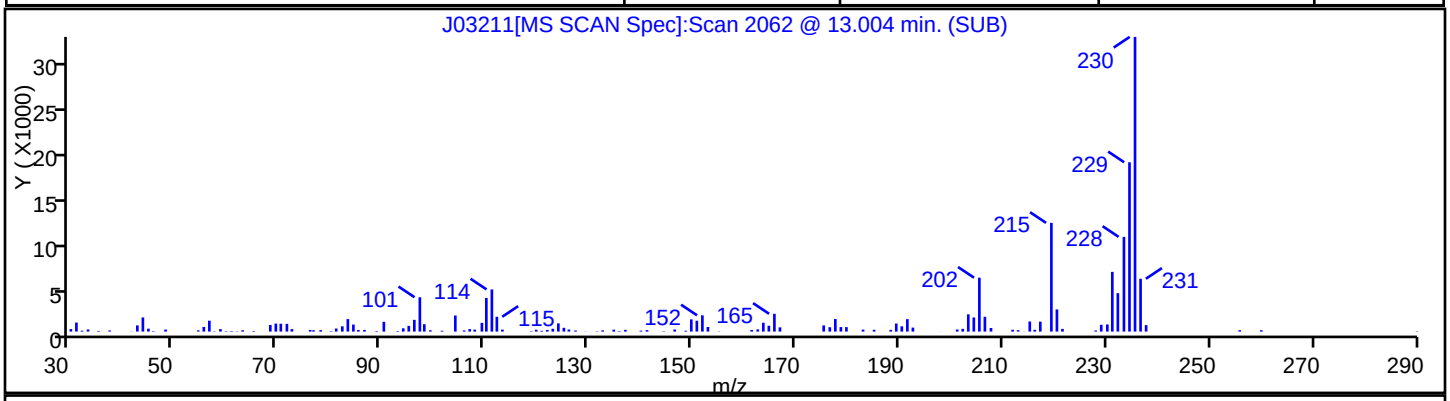
Lims Batch ID: 49648 Lims Sample ID: 30

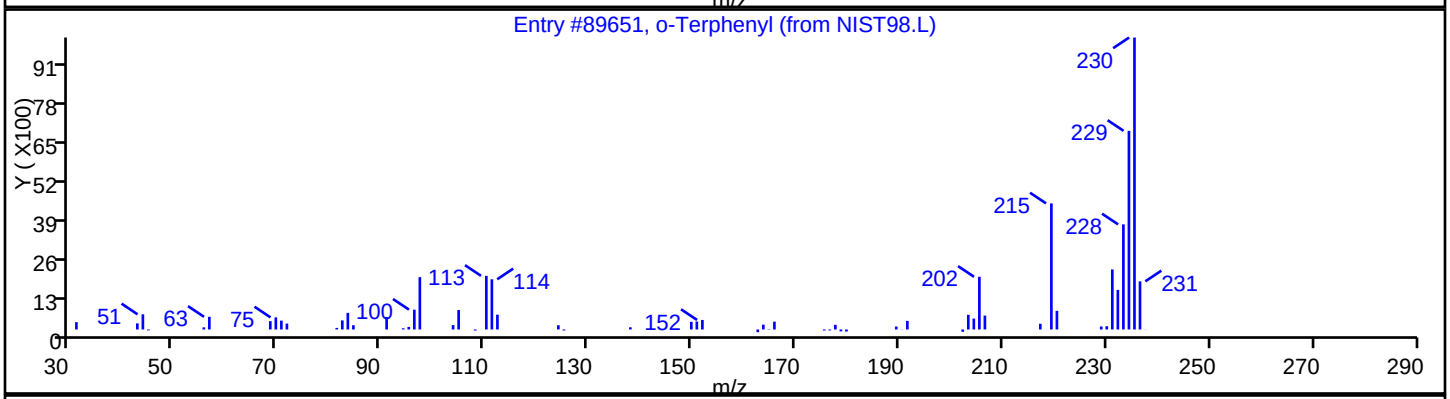
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

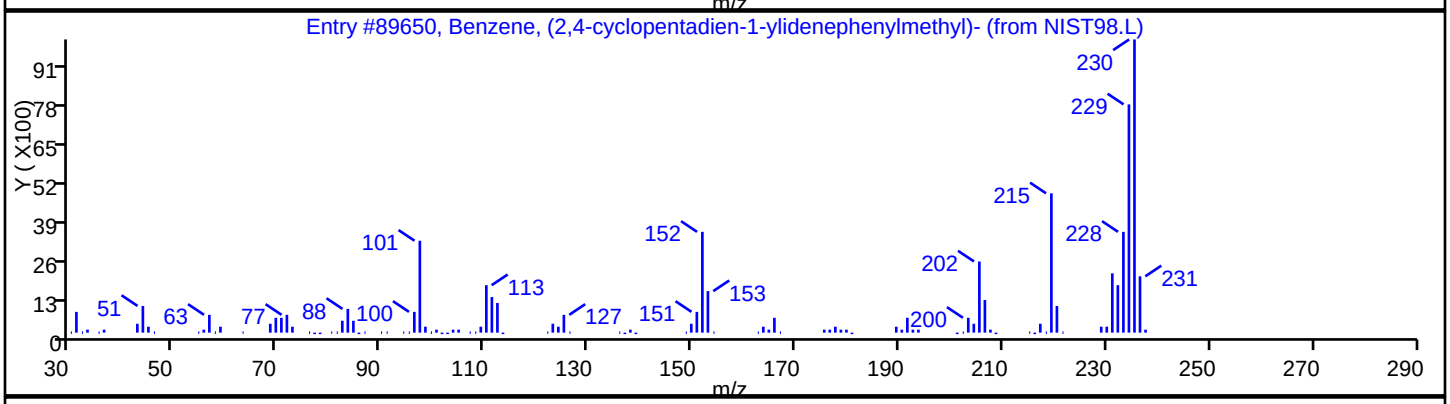
Sample Info: 360-24582-a-12-c 10X

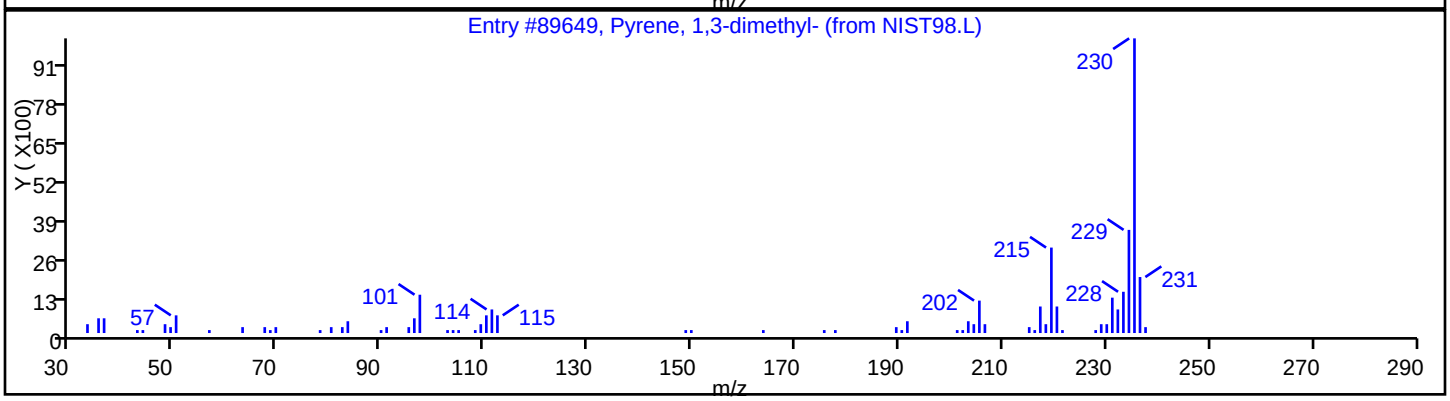
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
o-Terphenyl	84-15-1	NIST98.L	89651	98
Benzene, (2,4-cyclopentadien-1-ylideneph	2175-90-8	NIST98.L	89650	90
Pyrene, 1,3-dimethyl-	64401-21-4	NIST98.L	89649	86









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

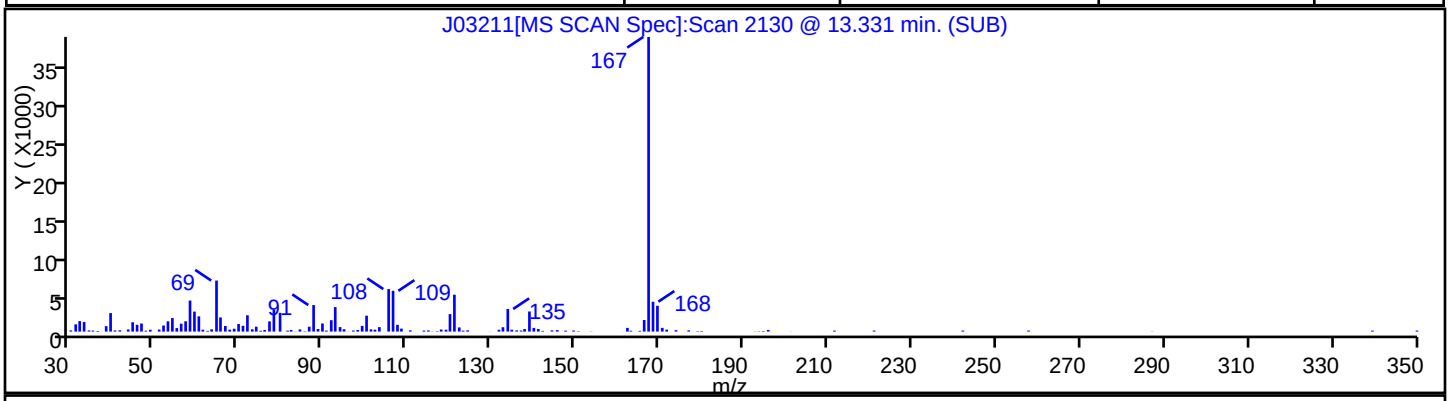
Lims Batch ID: 49648 Lims Sample ID: 30

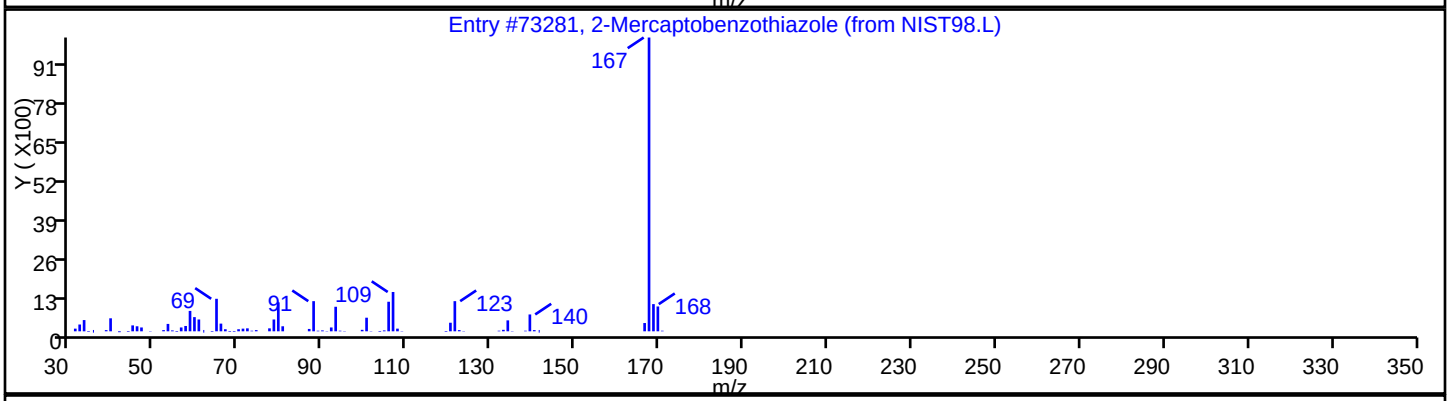
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

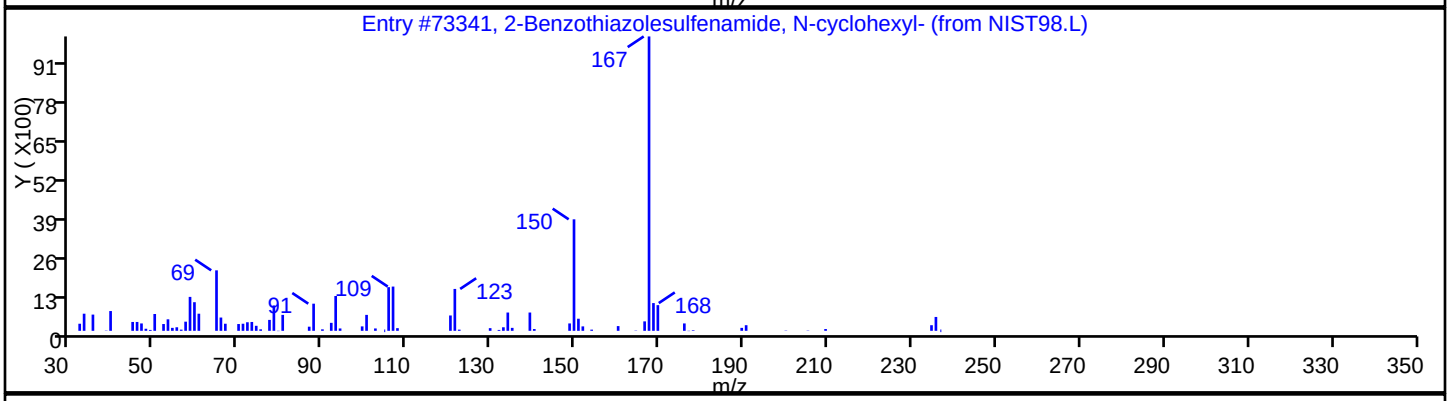
Sample Info: 360-24582-a-12-c 10X

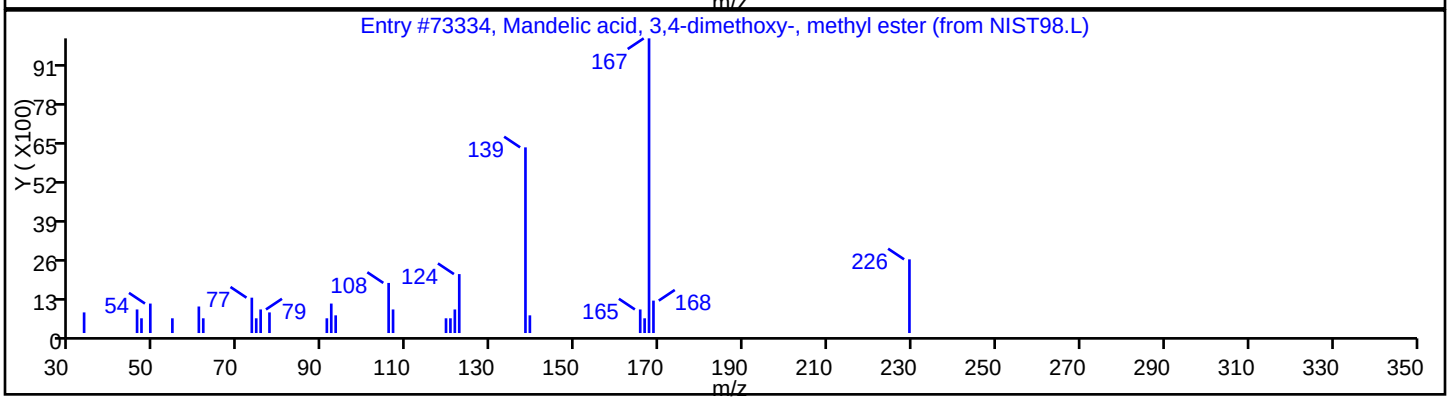
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Mercaptobenzothiazole	149-30-4	NIST98.L	73281	94
2-Benzothiazolesulfenamide, N-cyclohexyl	95-33-0	NIST98.L	73341	91
Mandelic acid, 3,4-dimethoxy-, methyl es	2911-73-1	NIST98.L	73334	72









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

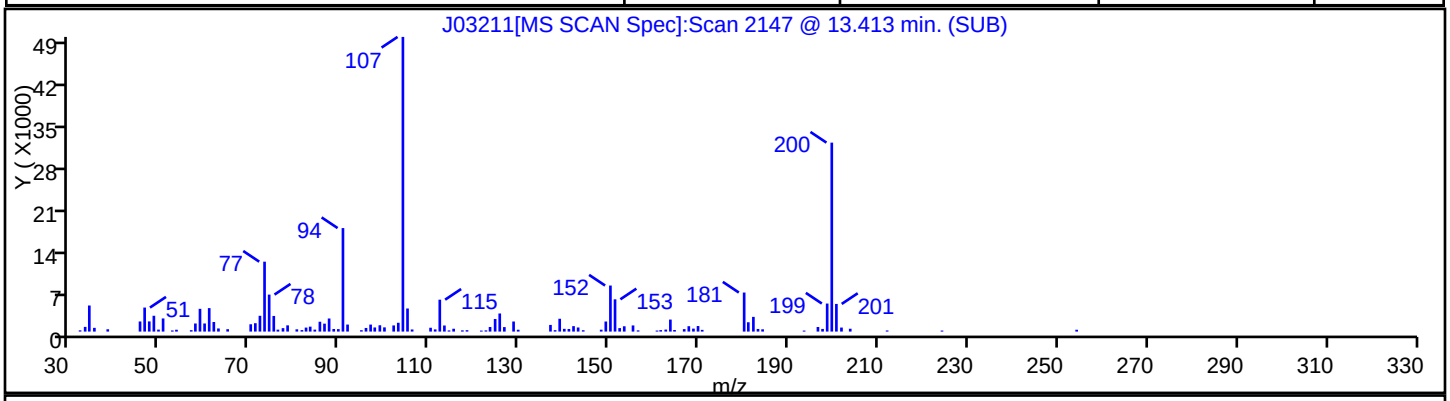
Lims Batch ID: 49648 Lims Sample ID: 30

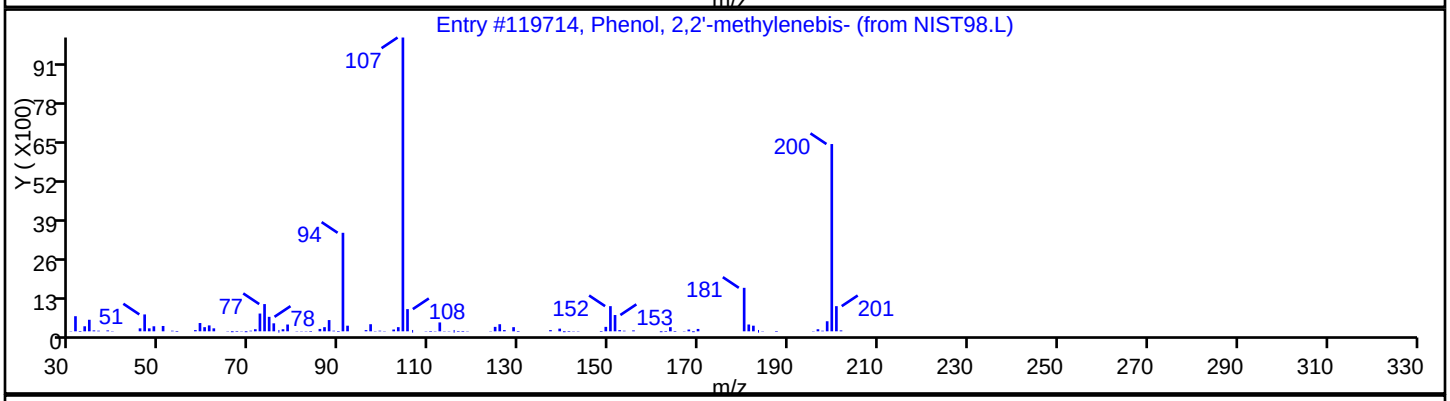
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

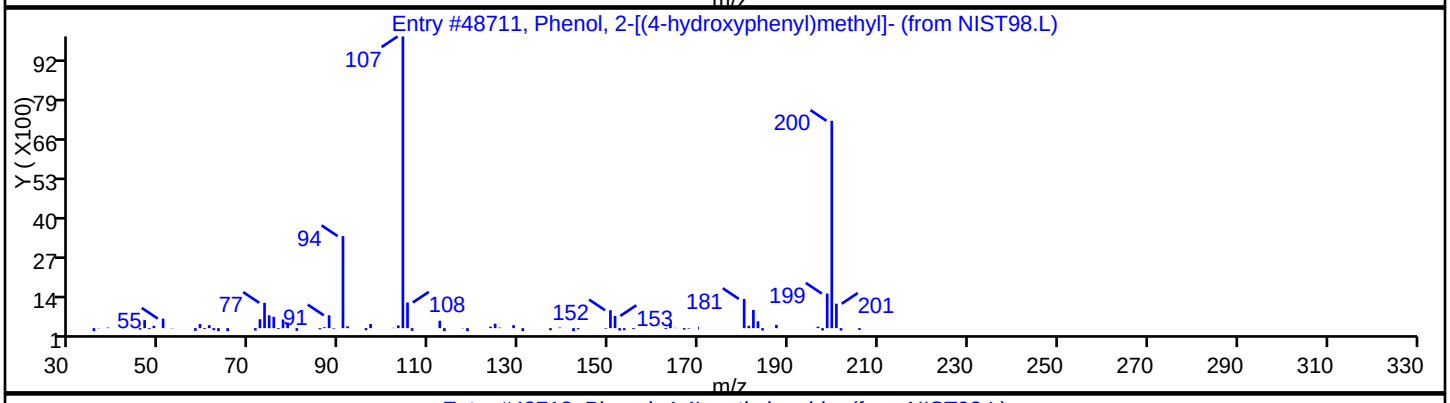
Sample Info: 360-24582-a-12-c 10X

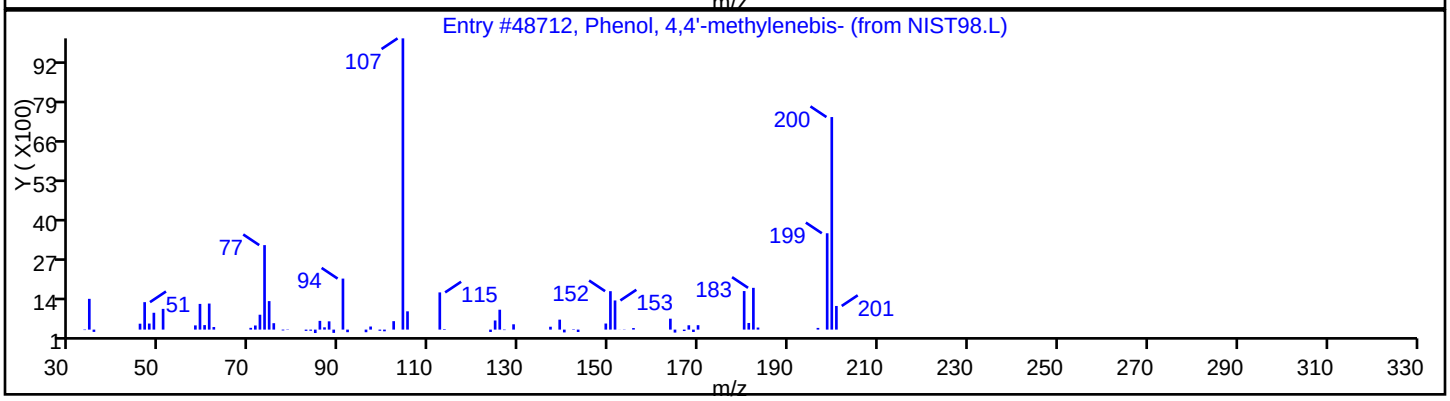
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2,2'-methylenebis-	2467-2-9	NIST98.L	119714	93
Phenol, 2-[(4-hydroxyphenyl)methyl]-	2467-3-0	NIST98.L	48711	93
Phenol, 4,4'-methylenebis-	620-92-8	NIST98.L	48712	80









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

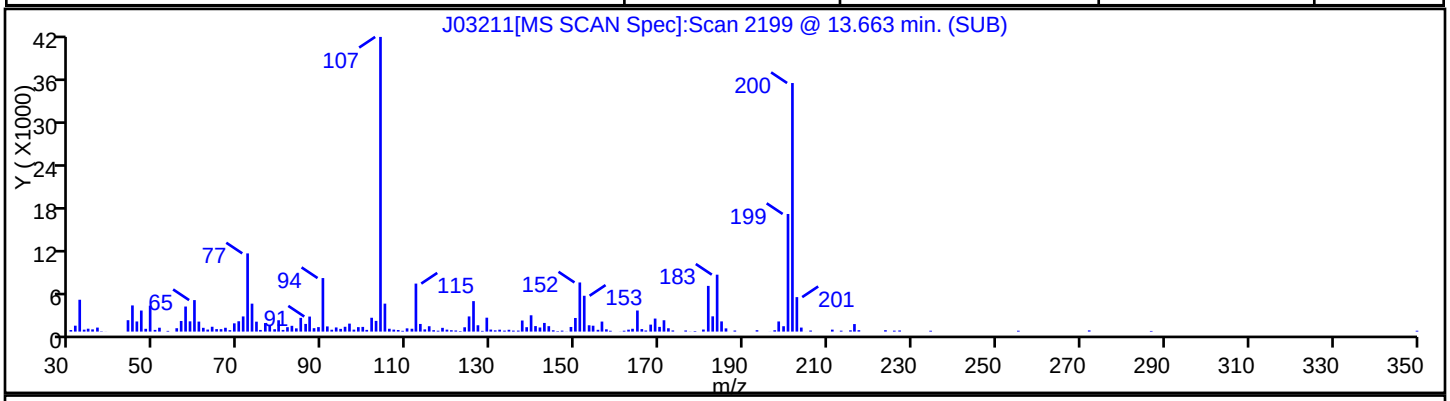
Lims Batch ID: 49648 Lims Sample ID: 30

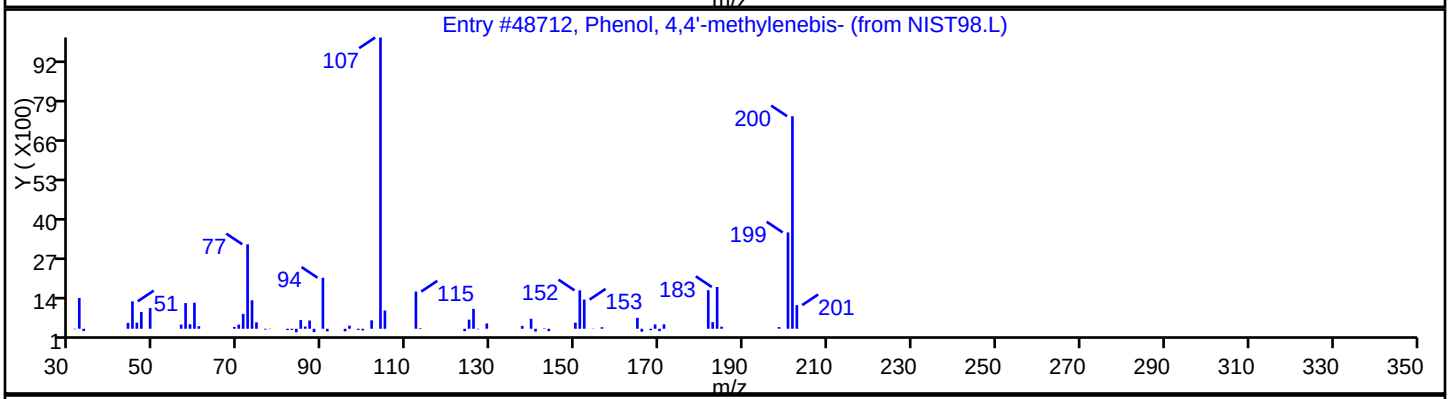
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

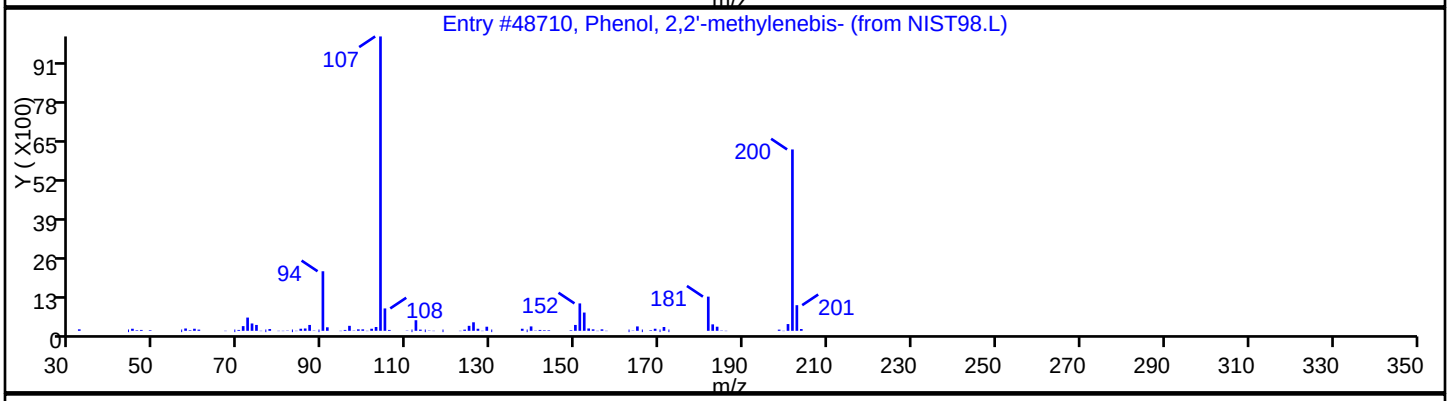
Sample Info: 360-24582-a-12-c 10X

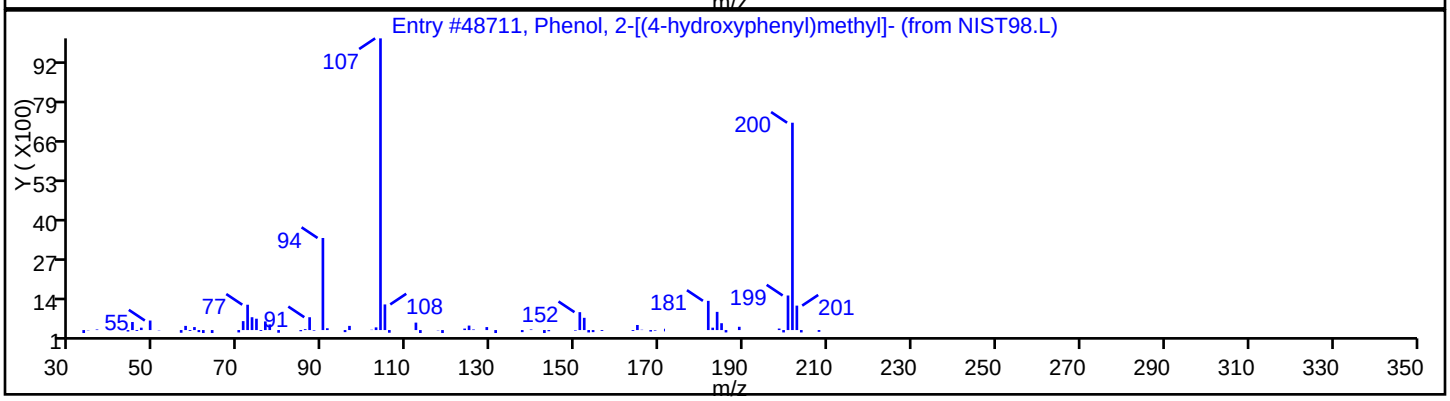
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 4,4'-methylenebis-	620-92-8	NIST98.L	48712	99
Phenol, 2,2'-methylenebis-	2467-2-9	NIST98.L	48710	76
Phenol, 2-[(4-hydroxyphenyl)methyl]-	2467-3-0	NIST98.L	48711	68









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

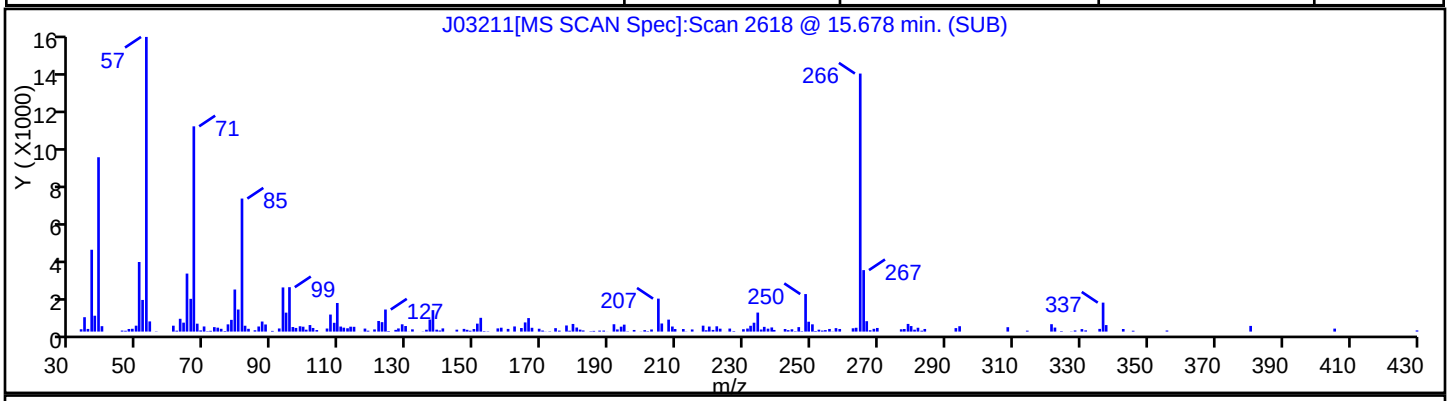
Lims Batch ID: 49648 Lims Sample ID: 30

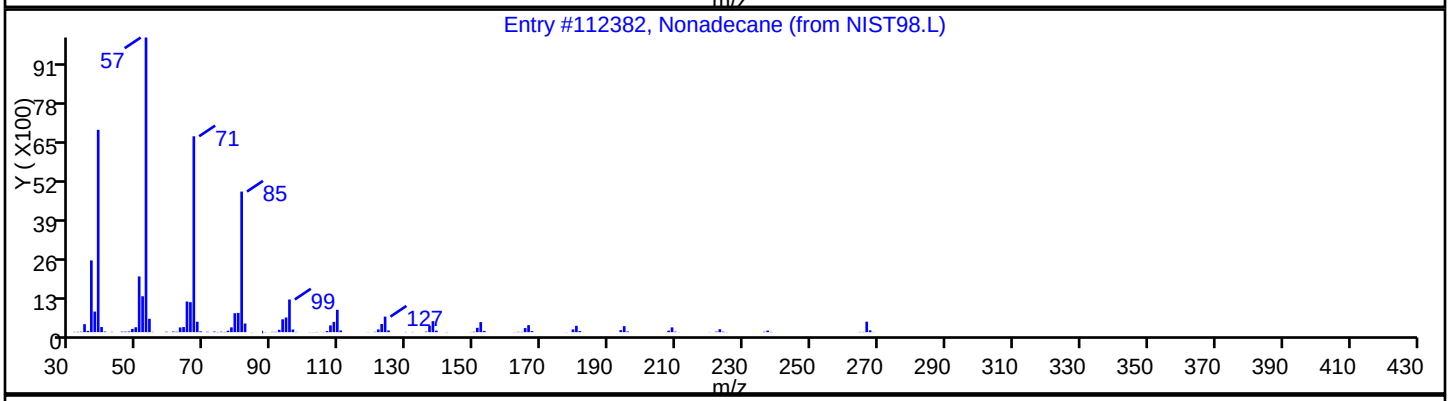
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

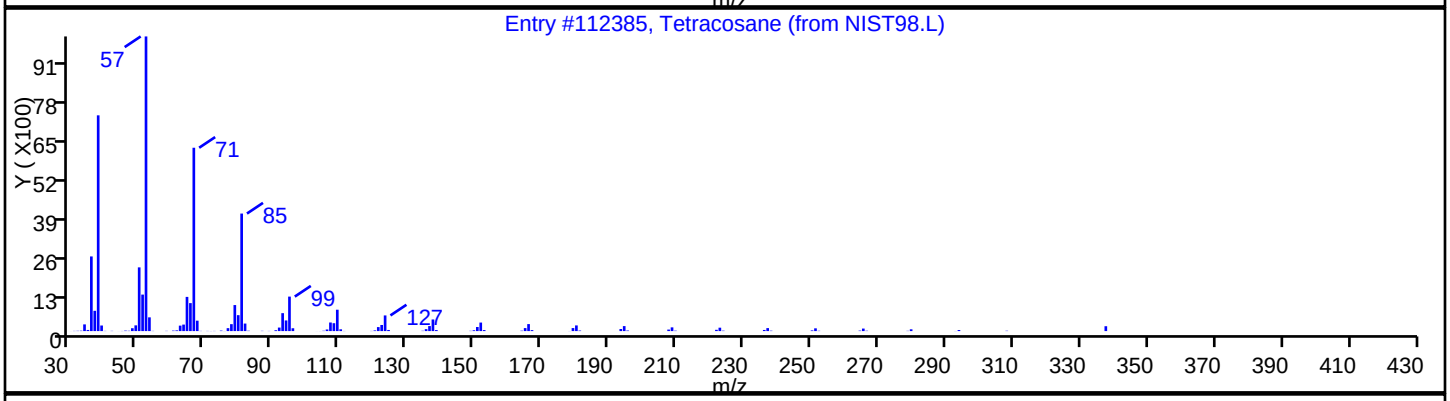
Sample Info: 360-24582-a-12-c 10X

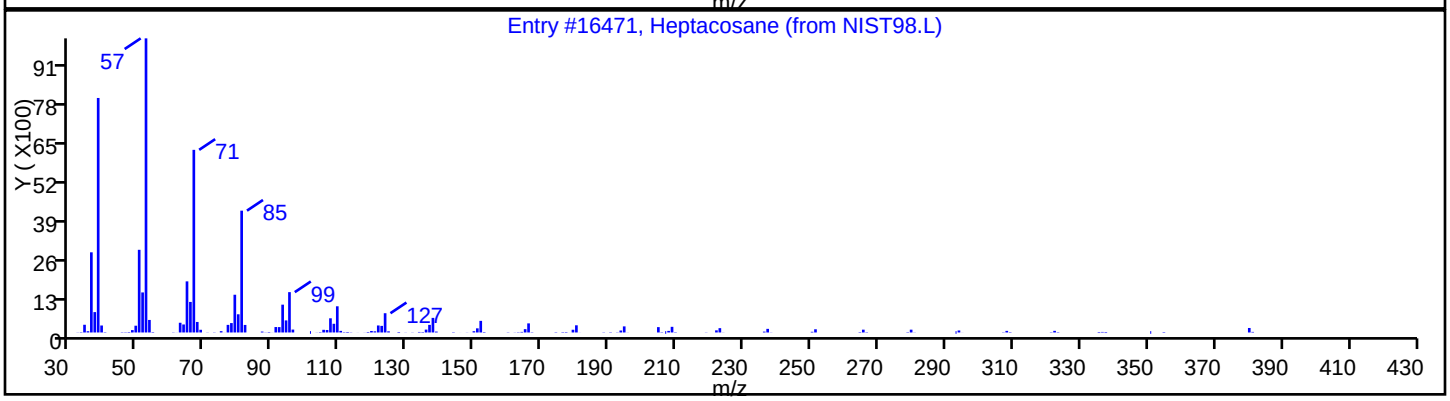
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112382	93
Tetracosane	646-31-1	NIST98.L	112385	92
Heptacosane	593-49-7	NIST98.L	16471	76









Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

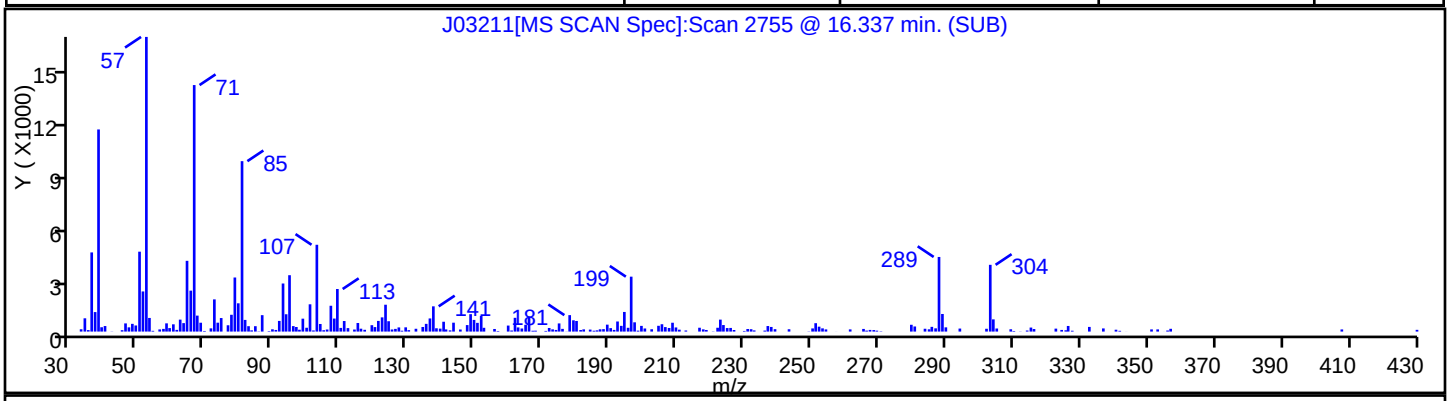
Lims Batch ID: 49648 Lims Sample ID: 30

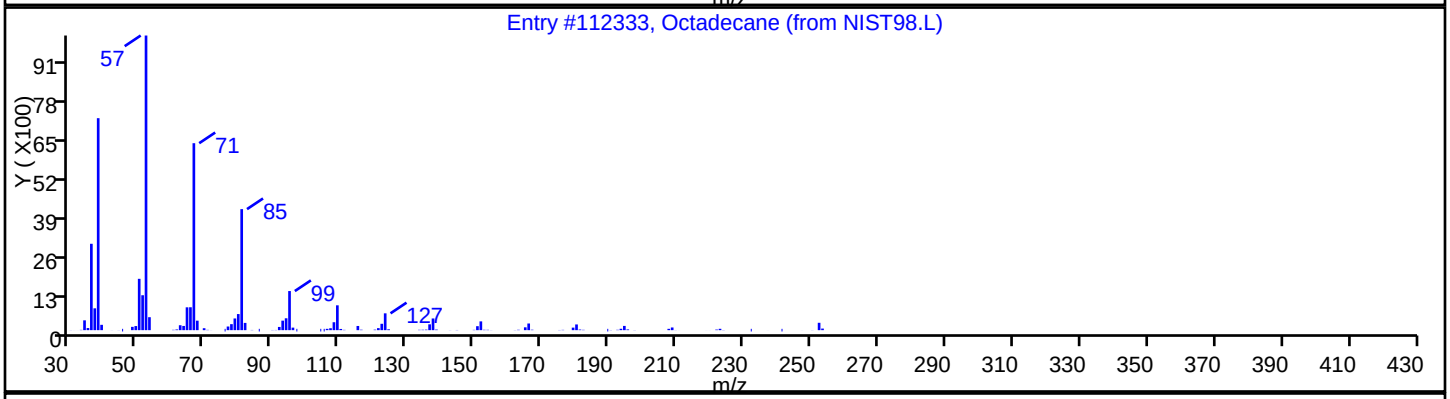
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

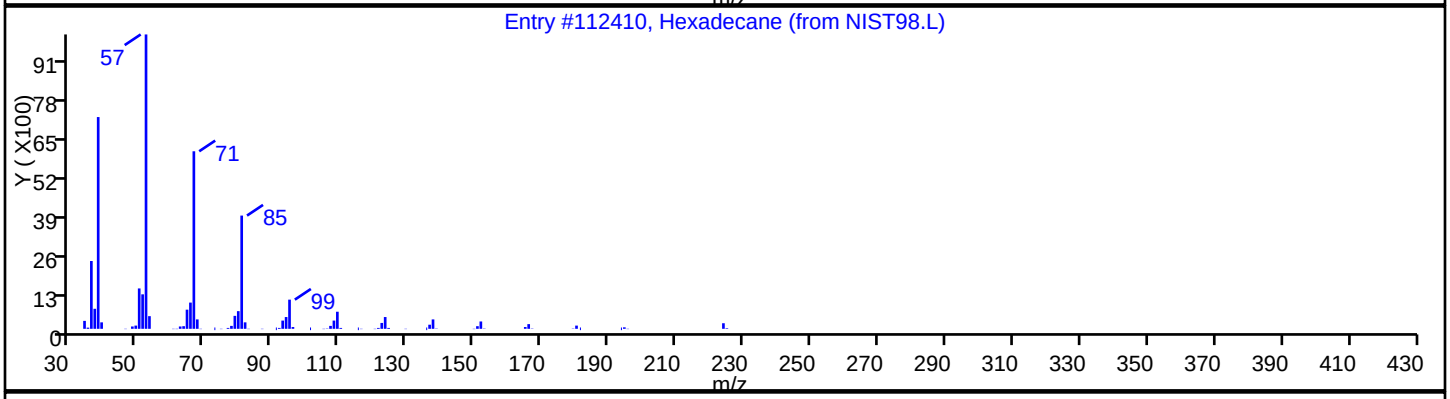
Sample Info: 360-24582-a-12-c 10X

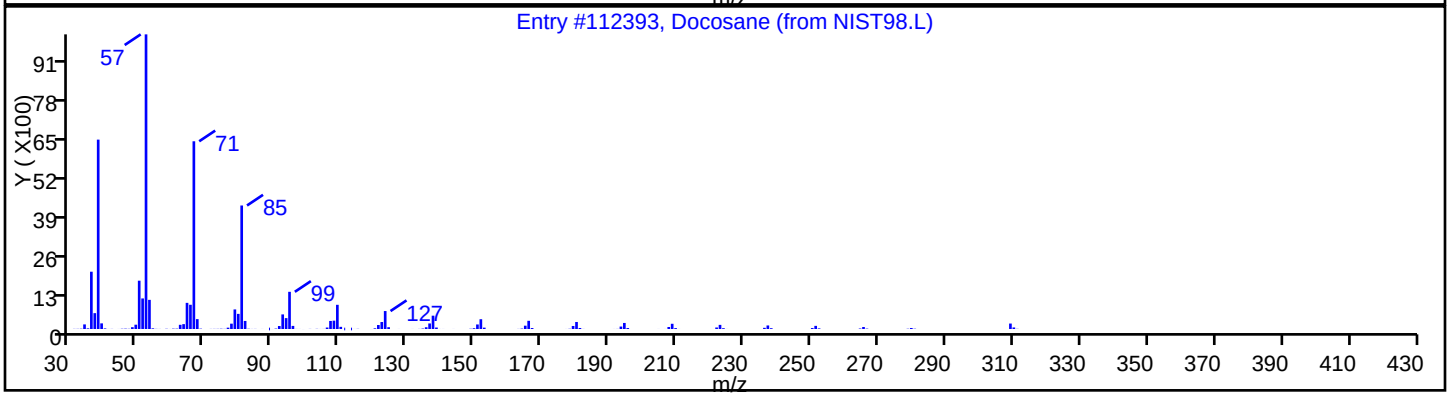
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	97
Hexadecane	544-76-3	NIST98.L	112410	96
Docosane	629-97-0	NIST98.L	112393	91





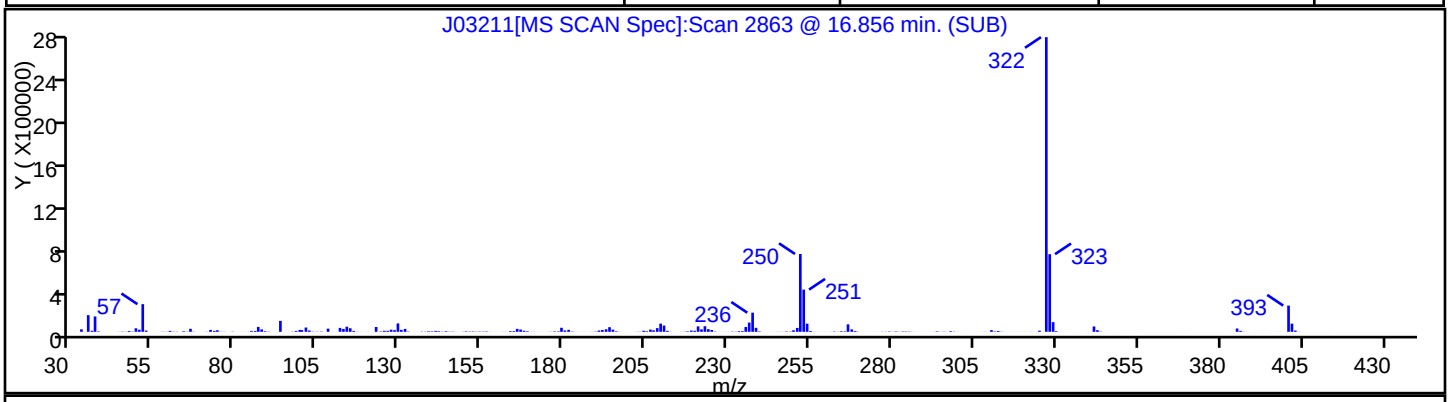


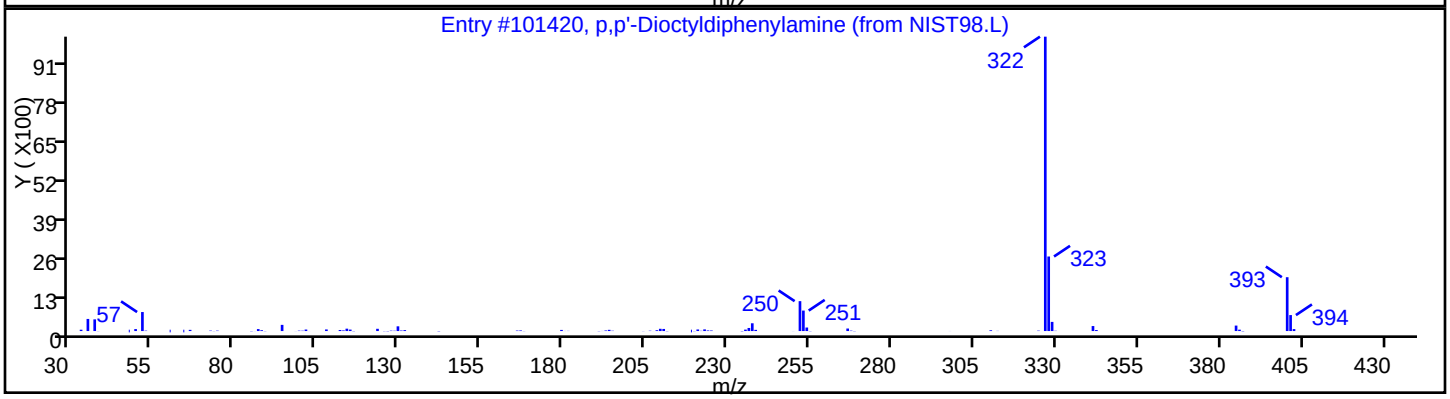


Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D		
Inj Date:	29-Sep-2009 05:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	30
Client ID:	OC-SS-407-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-12-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	98





Report Date: 30-Sep-2009 09:14:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03211.D

Inj Date: 29-Sep-2009 05:28:30 Limit Group: SMS - 8270LL SVOA Calibration

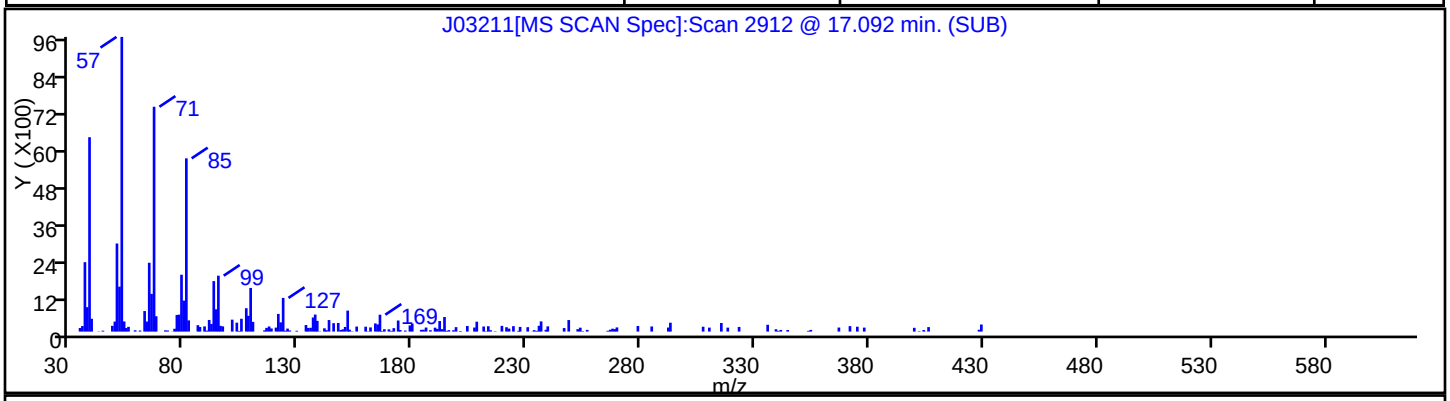
Lims Batch ID: 49648 Lims Sample ID: 30

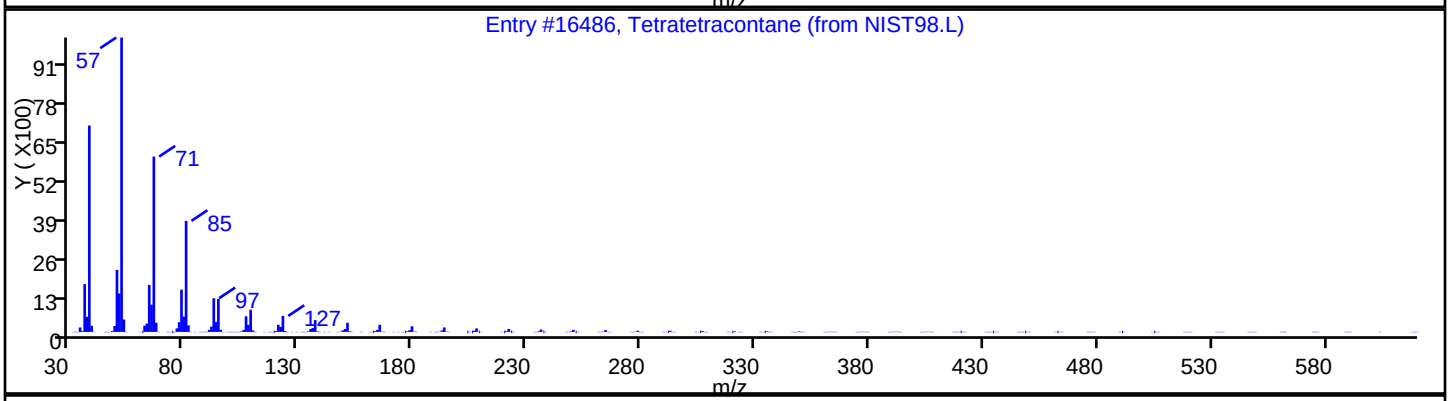
Client ID: OC-SS-407-0.0/1.0-XXX Instrument: Inst. J

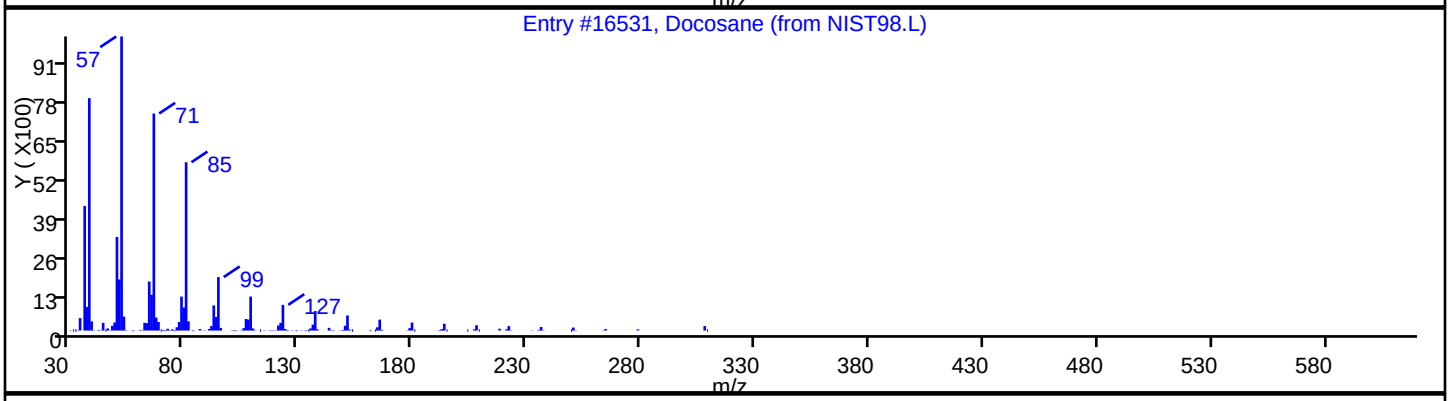
Sample Info: 360-24582-a-12-c 10X

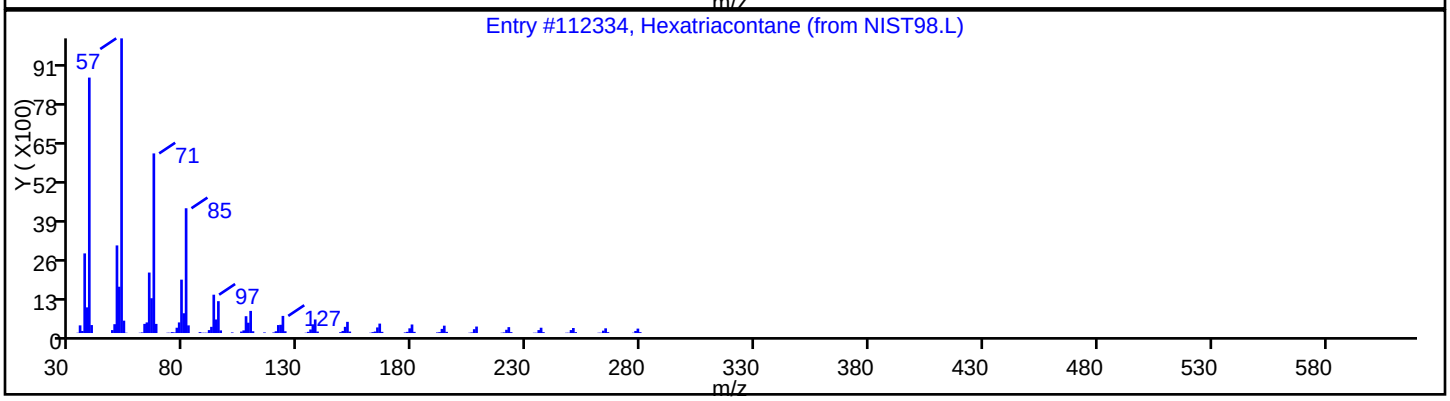
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetratetracontane	7098-22-8	NIST98.L	16486	87
Docosane	629-97-0	NIST98.L	16531	87
Hexatriacontane	630-6-8	NIST98.L	112334	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: J03212.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.10(g) | Date Analyzed: 09/29/2009 06:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		390	120
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		390	120
120-82-1	1,2,4-Trichlorobenzene	ND		390	120
95-50-1	1,2-Dichlorobenzene	ND		390	120
541-73-1	1,3-Dichlorobenzene	ND		390	120
106-46-7	1,4-Dichlorobenzene	ND		390	120
90-12-0	1-Methylnaphthalene	ND		390	120
108-60-1	2,2'-oxybis[1-chloropropane]	ND		390	120
58-90-2	2,3,4,6-Tetrachlorophenol	ND		390	120
95-95-4	2,4,5-Trichlorophenol	ND		390	120
88-06-2	2,4,6-Trichlorophenol	ND		390	120
120-83-2	2,4-Dichlorophenol	ND	*	390	120
105-67-9	2,4-Dimethylphenol	ND		390	160
51-28-5	2,4-Dinitrophenol	ND		390	120
121-14-2	2,4-Dinitrotoluene	ND		390	120
606-20-2	2,6-Dinitrotoluene	ND		390	120
91-58-7	2-Chloronaphthalene	ND		390	120
95-57-8	2-Chlorophenol	ND		390	120
91-57-6	2-Methylnaphthalene	ND		390	120
95-48-7	2-Methylphenol	ND		390	240
88-74-4	2-Nitroaniline	ND		2000	120
88-75-5	2-Nitrophenol	ND		390	120
15831-10-4	3 & 4 Methylphenol	ND		390	120
91-94-1	3,3'-Dichlorobenzidine	ND		790	120
99-09-2	3-Nitroaniline	ND		2000	120
534-52-1	4,6-Dinitro-2-methylphenol	ND		2000	120
101-55-3	4-Bromophenyl phenyl ether	ND		390	120
59-50-7	4-Chloro-3-methylphenol	ND		790	120
106-47-8	4-Chloroaniline	ND		790	120
7005-72-3	4-Chlorophenyl phenyl ether	ND		390	120
100-01-6	4-Nitroaniline	ND		2000	120
100-02-7	4-Nitrophenol	ND		2000	120
83-32-9	Acenaphthene	ND		390	120
208-96-8	Acenaphthylene	ND		390	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: J03212.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.10(g) | Date Analyzed: 09/29/2009 06:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		390	120
62-53-3	Aniline	ND	*	390	120
120-12-7	Anthracene	ND		390	120
1912-24-9	Atrazine	ND		390	120
103-33-3	Azobenzene	ND		390	120
100-52-7	Benzaldehyde	ND		390	120
56-55-3	Benzo[a]anthracene	120	J	390	120
50-32-8	Benzo[a]pyrene	130	J	390	120
205-99-2	Benzo[b]fluoranthene	120	J	390	120
191-24-2	Benzo[g,h,i]perylene	150	J	390	120
207-08-9	Benzo[k]fluoranthene	140	J	390	120
65-85-0	Benzoic acid	440	J B	2000	180
119-61-9	Benzophenone	ND		390	120
100-51-6	Benzyl alcohol	ND		790	340
111-91-1	Bis(2-chloroethoxy)methane	ND		390	120
111-44-4	Bis(2-chloroethyl)ether	ND		390	120
117-81-7	Bis(2-ethylhexyl) phthalate	2500	B	390	120
85-68-7	Butyl benzyl phthalate	ND		390	120
105-60-2	Caprolactam	ND		390	120
86-74-8	Carbazole	ND		390	120
218-01-9	Chrysene	170	J	390	120
53-70-3	Dibenz(a,h)anthracene	ND		390	120
132-64-9	Dibenzofuran	ND		390	120
84-66-2	Diethyl phthalate	ND		390	120
131-11-3	Dimethyl phthalate	ND		390	120
84-74-2	Di-n-butyl phthalate	ND		390	350
117-84-0	Di-n-octyl phthalate	ND		390	200
101-84-8	Diphenyl oxide	ND		390	120
206-44-0	Fluoranthene	240	J	390	120
86-73-7	Fluorene	ND		390	120
118-74-1	Hexachlorobenzene	ND		390	120
87-68-3	Hexachlorobutadiene	ND		390	120
77-47-4	Hexachlorocyclopentadiene	ND		790	120
67-72-1	Hexachloroethane	ND		390	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: J03212.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.10(g) | Date Analyzed: 09/29/2009 06:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	160	J *	390	120
78-59-1	Isophorone	ND		390	120
91-20-3	Naphthalene	ND		950	120
98-95-3	Nitrobenzene	ND		390	120
62-75-9	N-Nitrosodimethylamine	ND		390	140
621-64-7	N-Nitrosodi-n-propylamine	ND		390	120
86-30-6	N-Nitrosodiphenylamine	390	J	390	120
87-86-5	Pentachlorophenol	ND		390	120
85-01-8	Phenanthrene	160	J	470	120
108-95-2	Phenol	ND		390	120
129-00-0	Pyrene	260	J	390	120

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	85	30-130	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	78	30-130	
4165-60-0	Nitrobenzene-d5	71	30-130	
4165-62-2	Phenol-d5	76	30-130	
1718-51-0	Terphenyl-d14	88	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-408-0.0/1.0-XXX | Lab Sample ID: 360-24582-13

Matrix: Solid | Lab File ID: J03212.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 09:30

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.10(g) | Date Analyzed: 09/29/2009 06:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 2720

CAS NO.	COMPOUND NAME	RT	RESULT	Q
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.63	130	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	520	T J N
1000111-58-0	2,4-Diphenyl-4-methyl-1(E)-pentene	12.57	190	T J N
84-15-1	o-Terphenyl	13.01	590	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	170	T J N
629-78-7	Heptadecane	14.29	170	T J N
646-31-1	Tetracosane	14.65	240	T J N
629-99-2	Pentacosane	14.99	310	T J N
646-31-1	Tetracosane	16.01	400	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Lims ID:	360-24582-A-13-C	Client ID:	OC-SS-408-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 06:00:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-13-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49648	Lims Sample ID:	31
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:19:33	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:19:33

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.036	-0.002	51707	2.00	
* 2 Naphthalene-d8	136	9.347	9.349	-0.002	129272	2.00	
* 3 Acenaphthene-d10	164	11.136	11.133	0.003	68037	2.00	
* 4 Phenanthrene-d10	188	12.617	12.619	-0.002	104281	2.00	
* 5 Chrysene-d12	240	15.377	15.379	-0.002	53898	2.00	
* 6 Perylene-d12	264	17.017	17.014	0.003	42151	2.00	
$ 7 2-Fluorophenol	112	6.688	6.685	0.003	11852	0.7751	
$ 8 Phenol-d5	99	7.683	7.680	0.003	13713	0.7578	
$ 9 Nitrobenzene-d5	82	8.640	8.637	0.003	6441	0.3548	
$ 10 2-Fluorobiphenyl	172	10.424	10.426	-0.002	14831	0.3769	
$ 11 2,4,6-Tribromophenol	330	11.939	11.936	0.003	3166	0.8519	
$ 12 Terphenyl-d14	244	14.199	14.201	-0.002	8580	0.4424	
17 Benzaldehyde	105	7.601	7.599	0.002	898	0.0951	
18 Phenol	94	7.698	7.695	0.003	1613	0.0830	
19 Aniline	93	7.741	7.743	-0.002	1420	0.0623	
30 Acetophenone	105	8.467	8.469	-0.002	3319	0.1566	
36 Benzoic acid	105	9.020	9.037	-0.016	1274	1.12	
41 Naphthalene	128	9.366	9.368	-0.002	1380	0.0266	
46 2-Methylnaphthalene	142	10.054	10.056	-0.002	616	0.0181	
47 1-Methylnaphthalene	142	10.169	10.171	-0.002	386	0.0117	
52 1,1'-Biphenyl	154	10.520	10.522	-0.002	1727	0.0417	
54 Phenyl ether	170	10.626	10.628	-0.002	1913	0.0890	
56 Dimethyl phthalate	163	10.852	10.854	-0.002	2483	0.0658	
61 Acenaphthene	153	11.165	11.167	-0.002	781	0.0236	
64 Dibenzofuran	168	11.319	11.321	-0.002	627	0.0137	
72 N-Nitrosodiphenylamine	169	11.766	11.768	-0.002	27498	0.9754	
80 Phenanthrene	178	12.641	12.643	-0.002	17852	0.4147	
81 Anthracene	178	12.684	12.686	-0.002	2641	0.0553	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.843	12.840	0.003	2144	0.0574	
84 Di-n-butyl phthalate	149	13.156	13.153	0.003	9295	0.1707	
87 Fluoranthene	202	13.848	13.850	-0.002	25992	0.6027	
85 Pyrene	202	14.089	14.091	-0.002	20584	0.6487	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.283	0.003	120161	6.27	
93 Benzo[a]anthracene	228	15.358	15.355	0.003	6863	0.3153	
94 Chrysene	228	15.406	15.408	-0.002	9203	0.4240	
97 Benzo[b]fluoranthene	252	16.541	16.543	-0.002	7350	0.3060	M
98 Benzo[k]fluoranthene	252	16.565	16.567	-0.002	7682	0.3441	M
99 Benzo[a]pyrene	252	16.945	16.947	-0.002	5070	0.3281	M
100 Indeno[1,2,3-cd]pyrene	276	18.556	18.553	0.003	4461	0.4048	
102 Benzo[g,h,i]perylene	276	19.022	19.020	0.002	4068	0.3915	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Lims ID:	360-24582-A-13-C	Client ID:	OC-SS-408-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 06:00:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-13-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49648	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:19:33	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:19:33

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	11.766	4145	0.1164	
Benzidine	13.968	175	0.8948	
Diphenylamine	11.766	27498	0.9754	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
11.626	70074	0.3349	3	90	61171	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
12.242	185219	1.33	4	97	126944	
1000111-58-0 2,4-Diphenyl-4-methyl-1(E)-pentene						
12.574	65948	0.4728	4	87	53202	
84-15-1 o-Terphenyl						
13.007	209515	1.50	4	99	89651	
112-61-8 Octadecanoic acid, methyl ester						
13.680	59629	0.4275	4	98	28371	
629-78-7 Heptadecane						
14.286	42636	0.4420	5	98	16420	
646-31-1 Tetracosane						
14.646	58621	0.6076	5	97	112385	

Report Date: 30-Sep-2009 09:19:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
629-99-2	Pentacosane					
14.993	74878	0.7762	5	94	17109	
646-31-1	Tetracosane					
16.007	98333	1.02	5	95	112386	

Quantitation Compounds

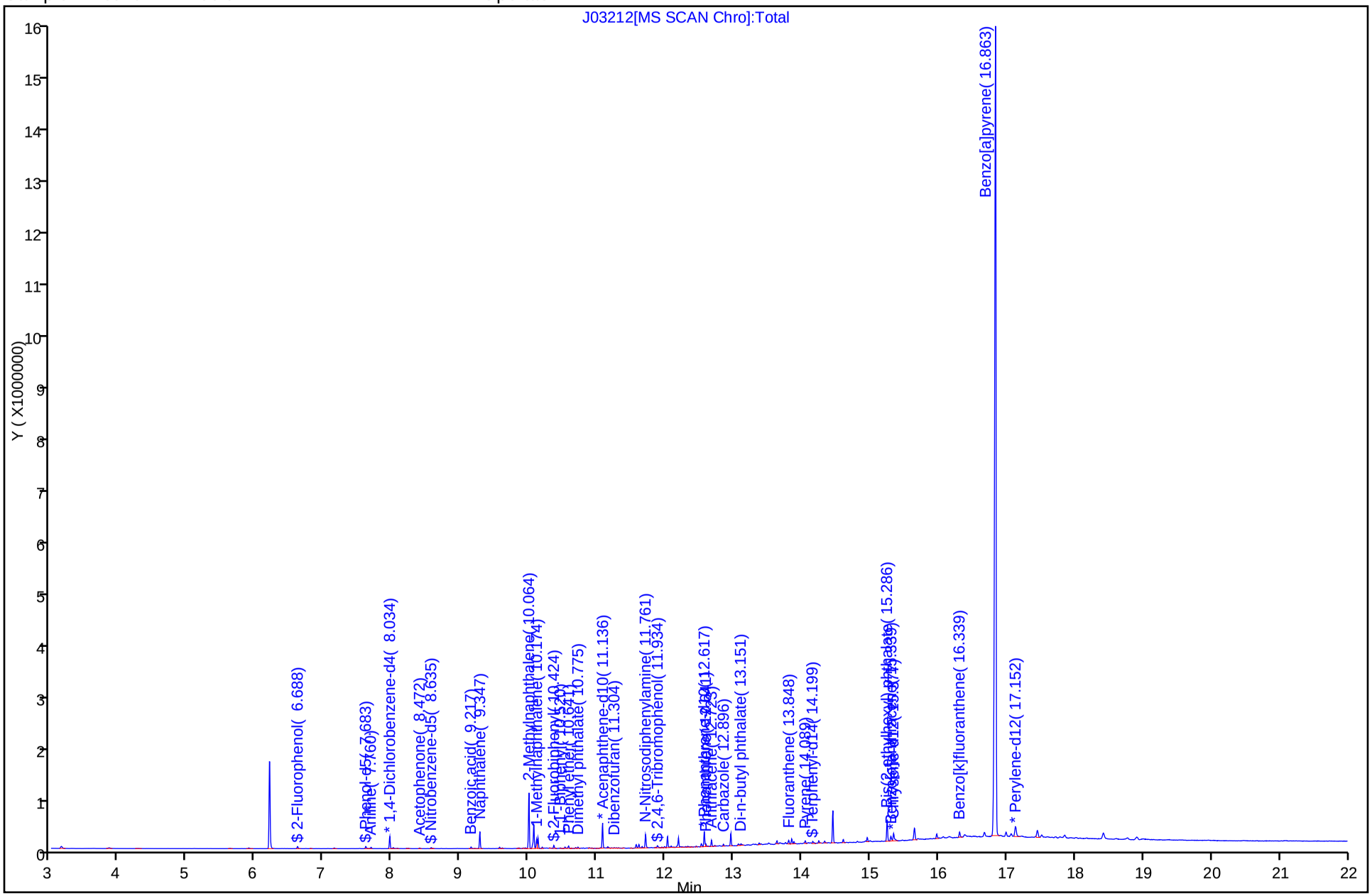
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	11.136	418508	2.00
* 4 Phenanthrene-d10	12.617	278969	2.00
* 5 Chrysene-d12	15.377	192944	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:19:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

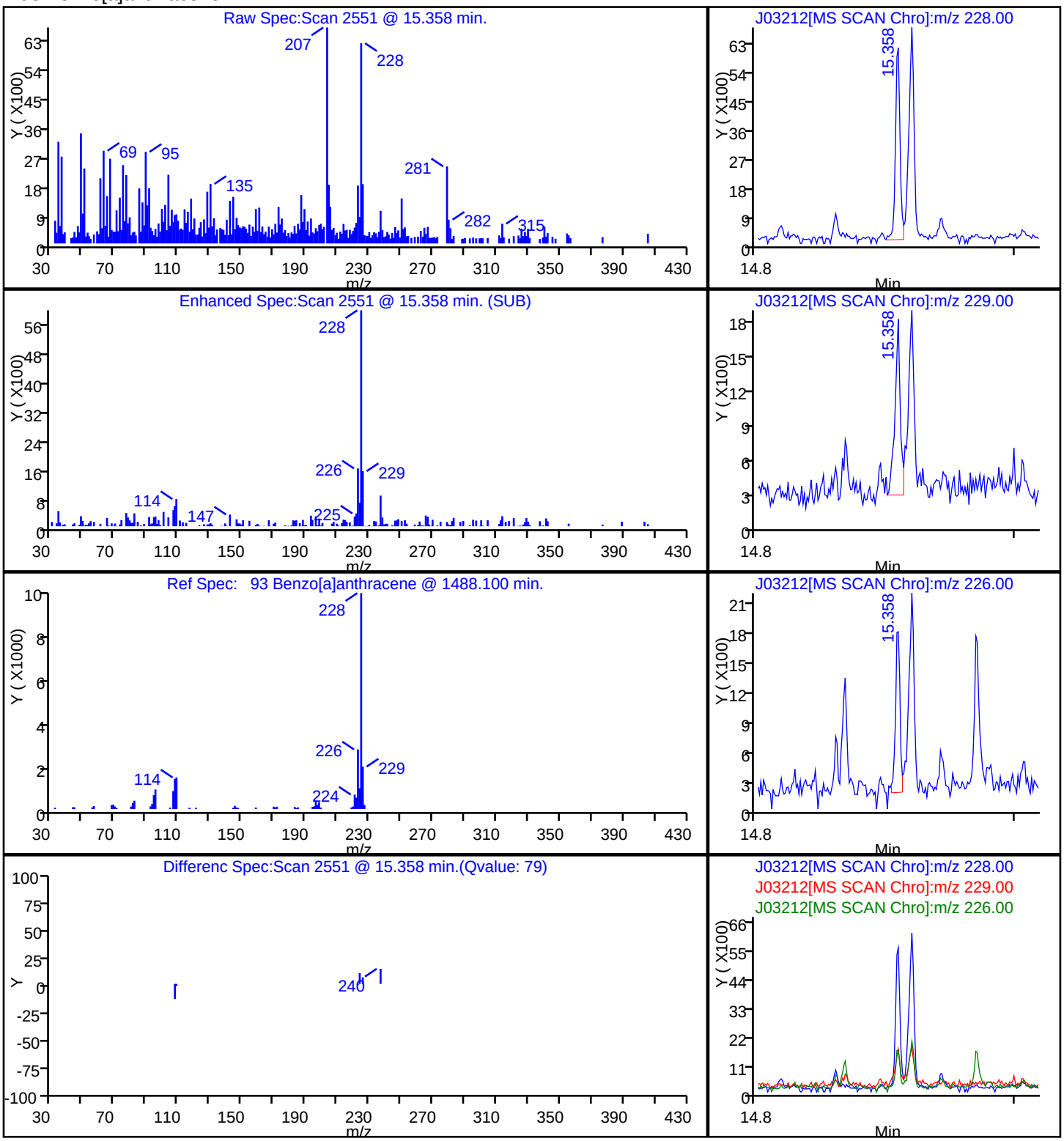
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

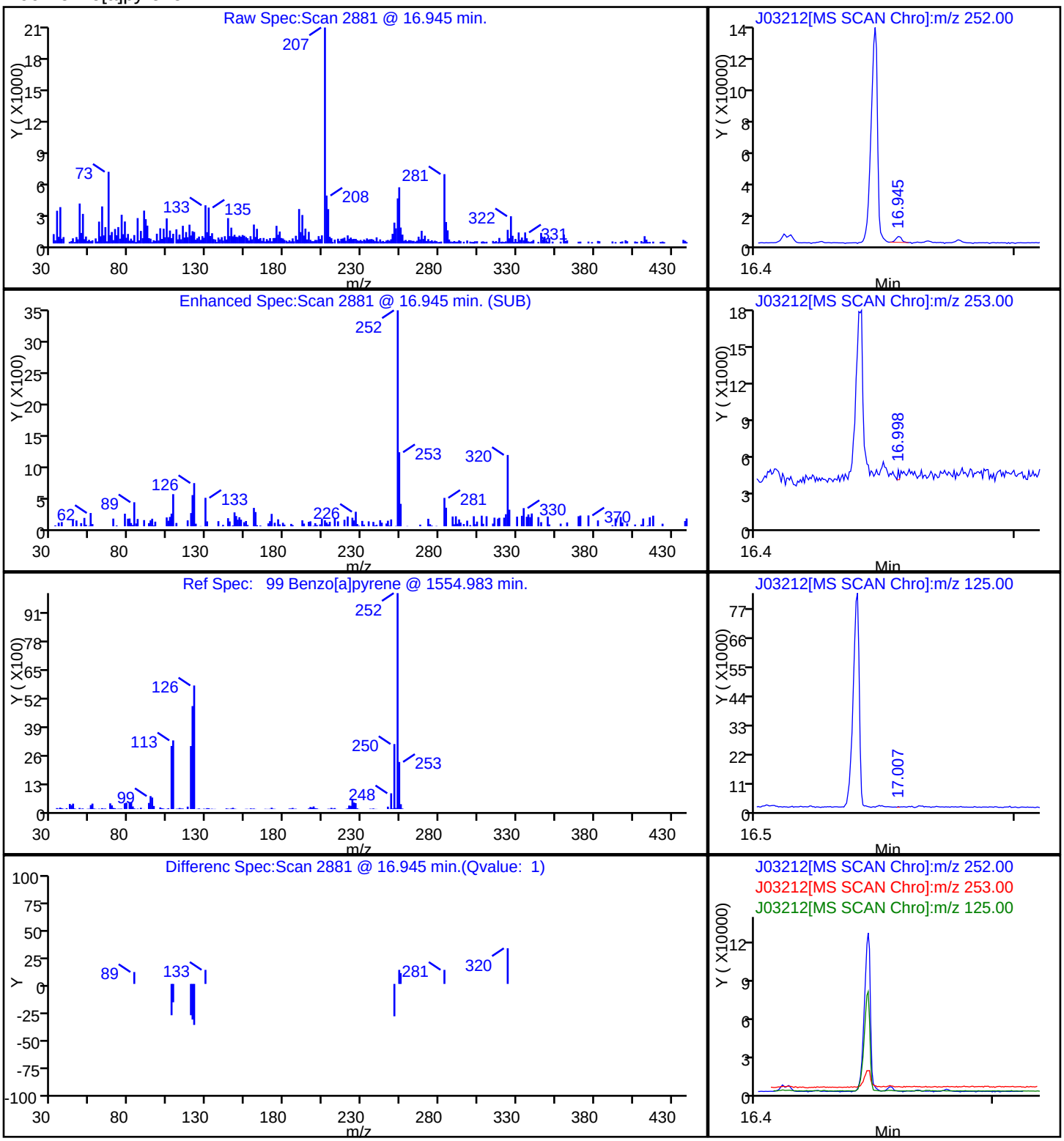
93 Benzo[a]anthracene



Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

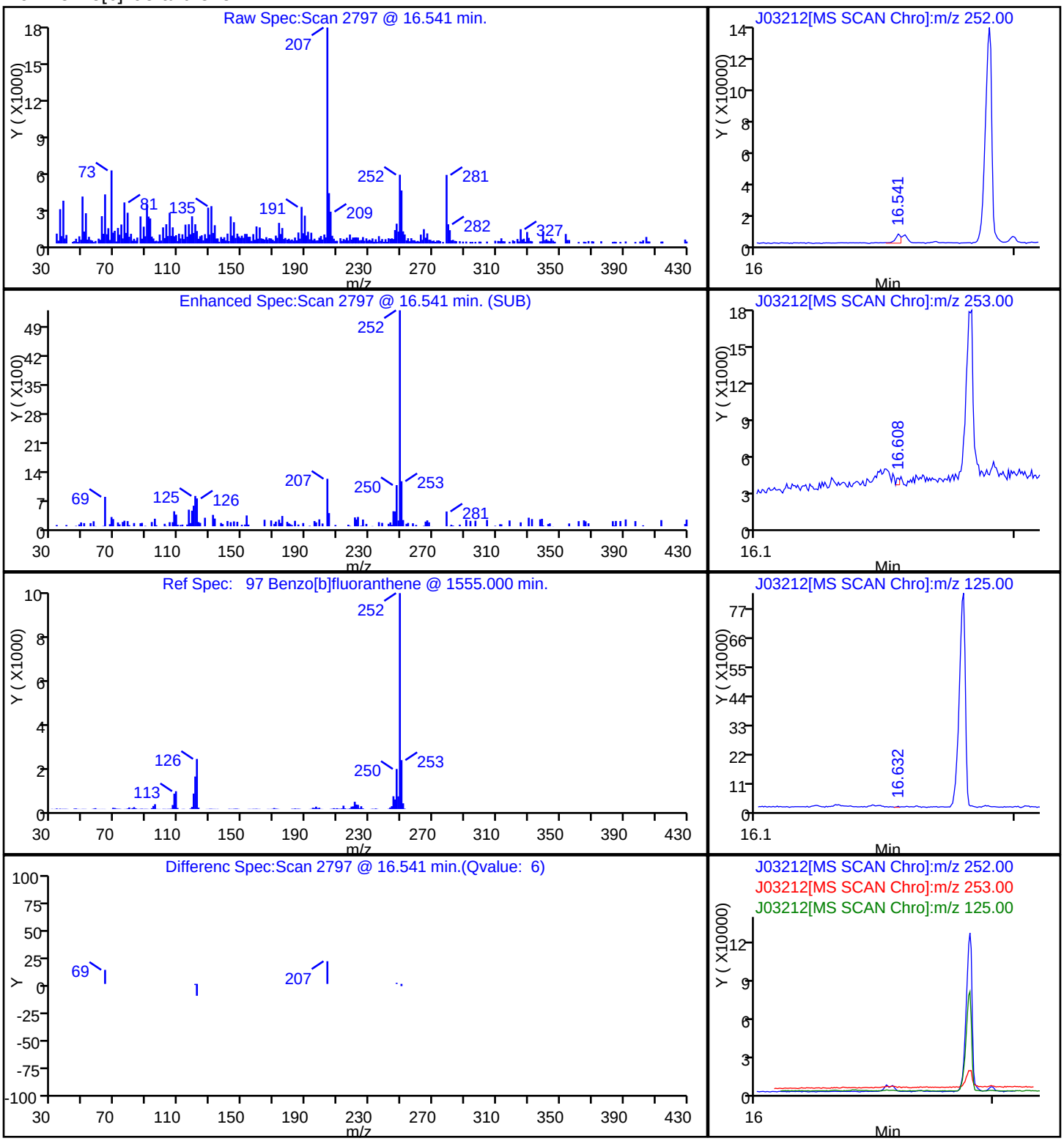
99 Benzo[a]pyrene



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

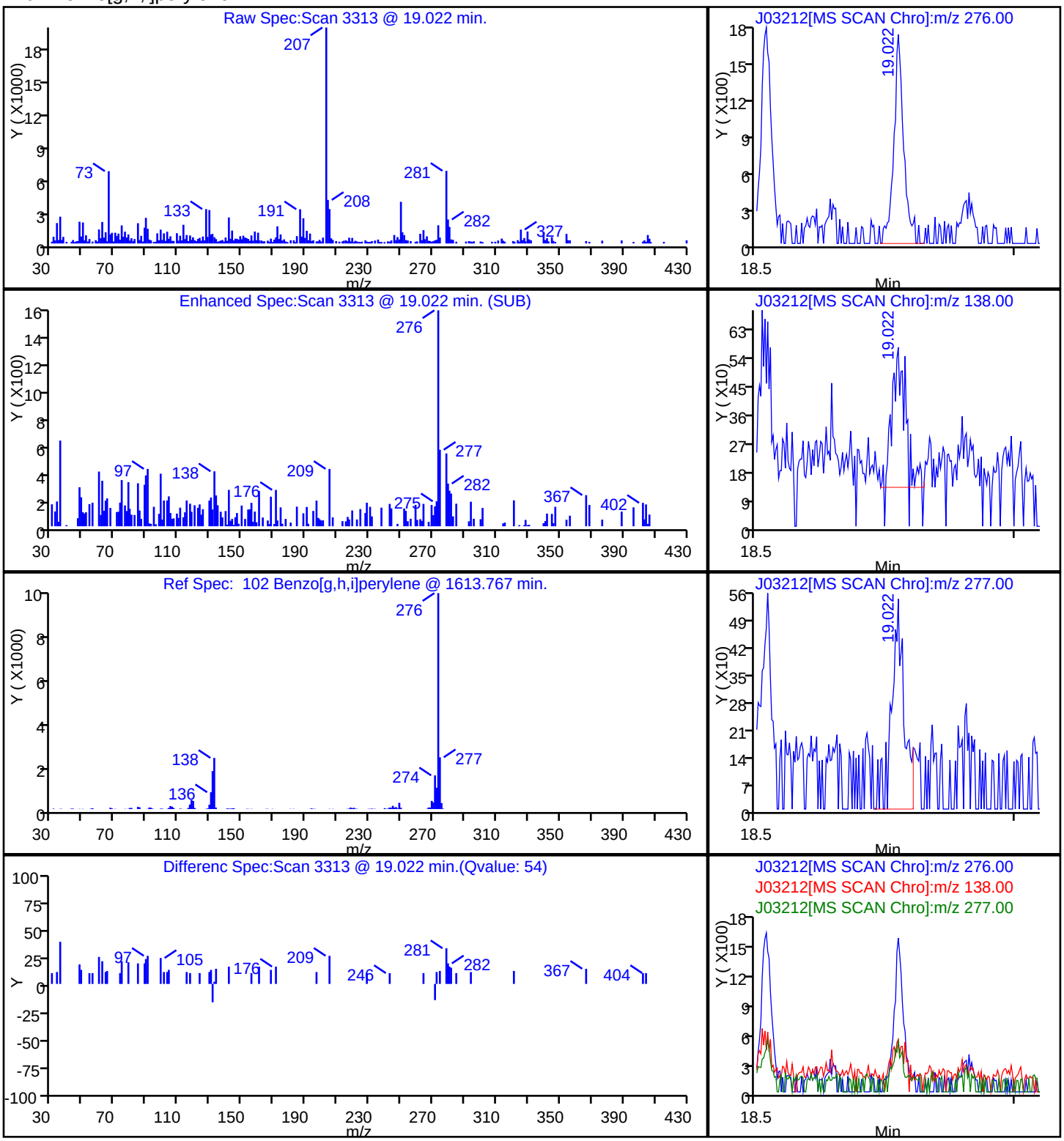
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

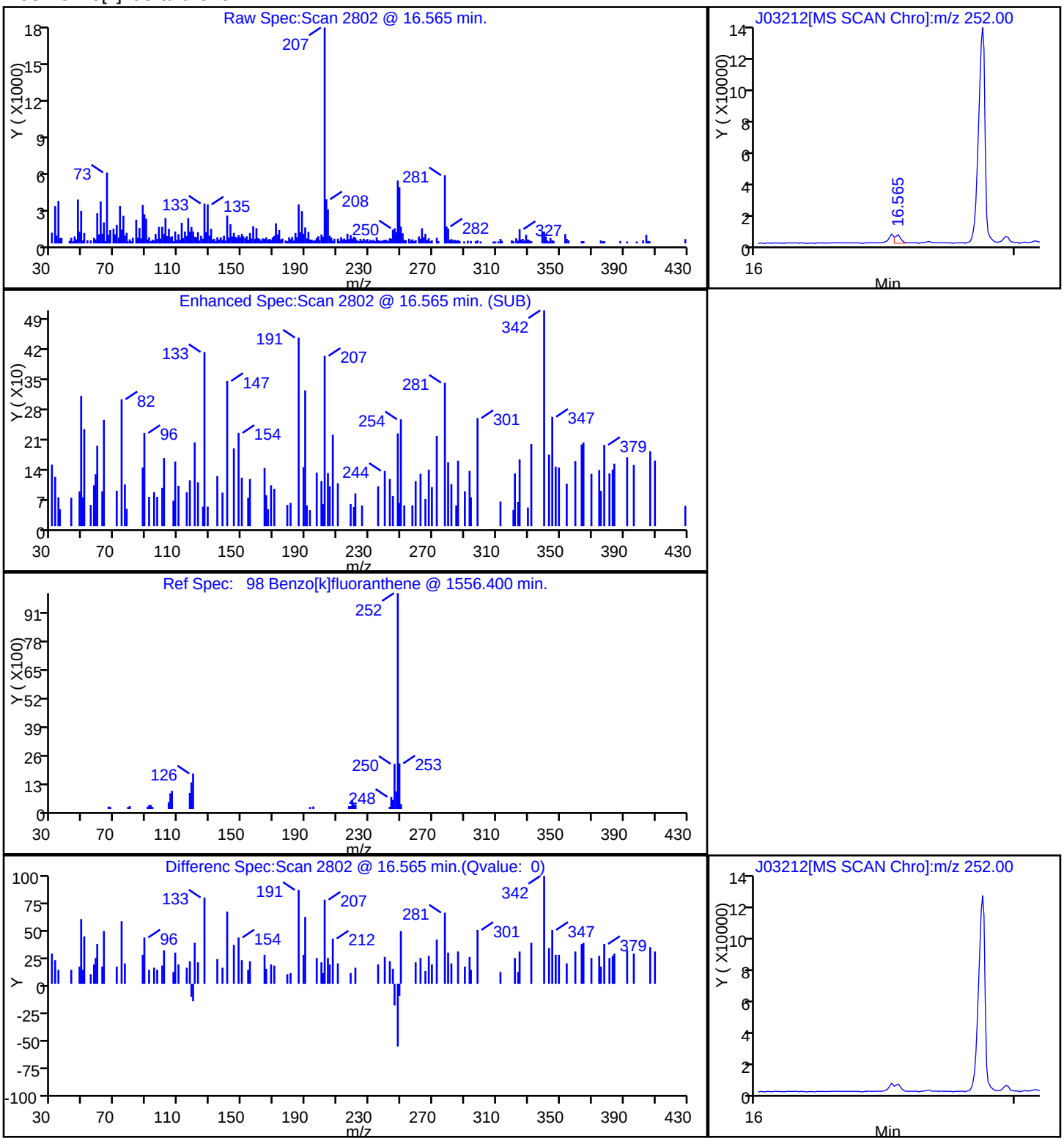
102 Benzo[g,h,i]perylene



Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

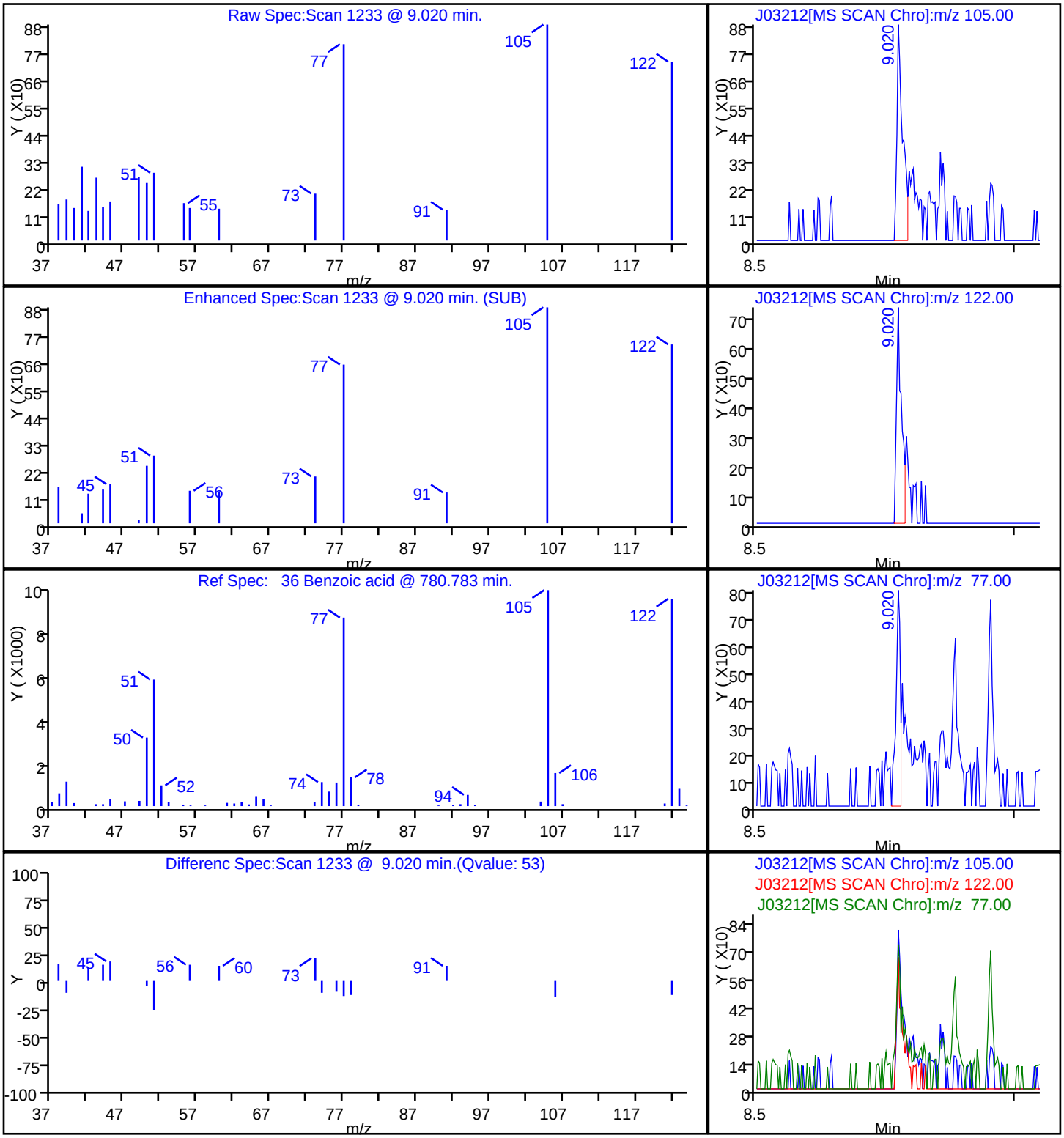
98 Benzo[k]fluoranthene



Report Date: 30-Sep-2009 09:19:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

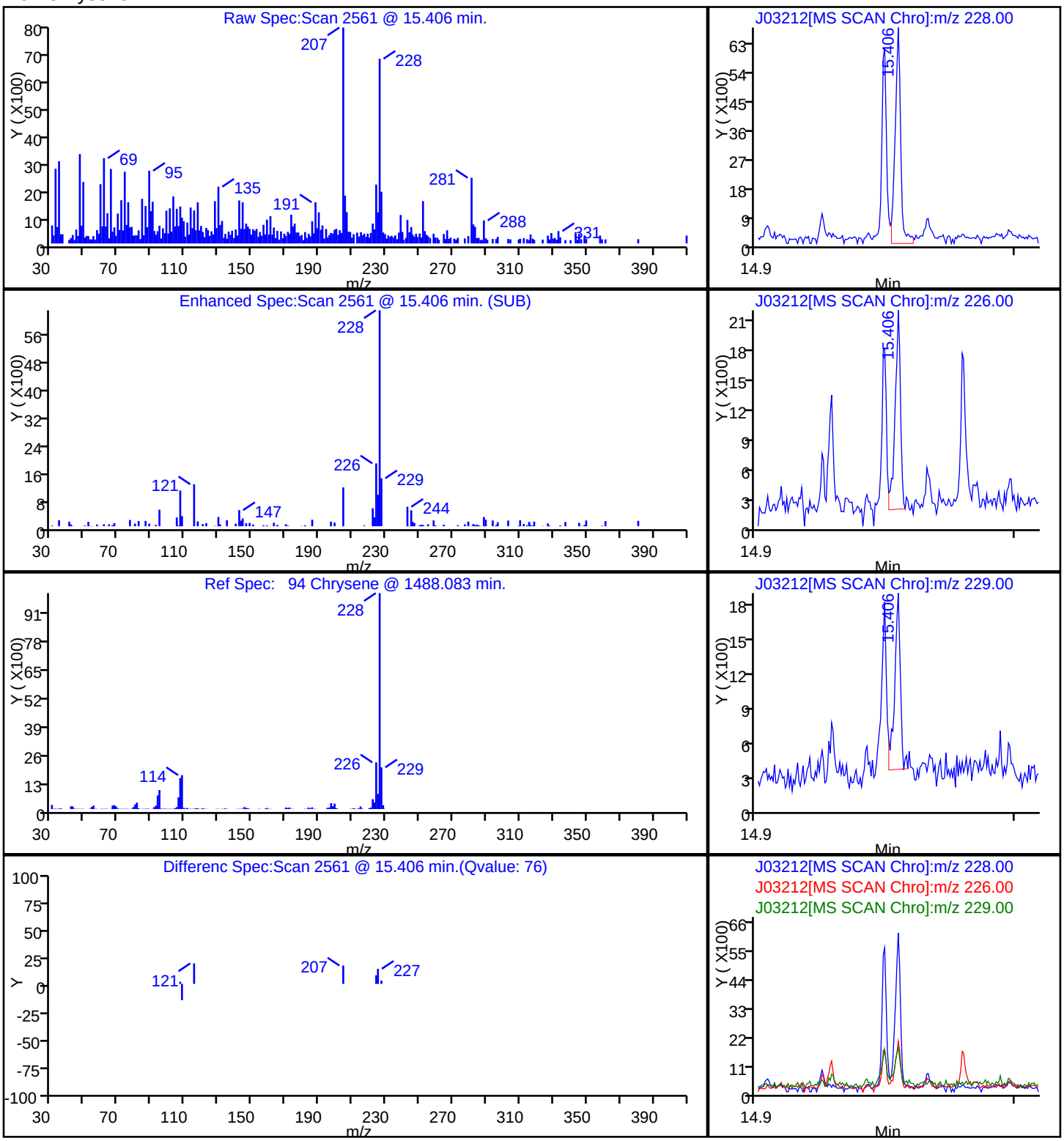
36 Benzoic acid



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

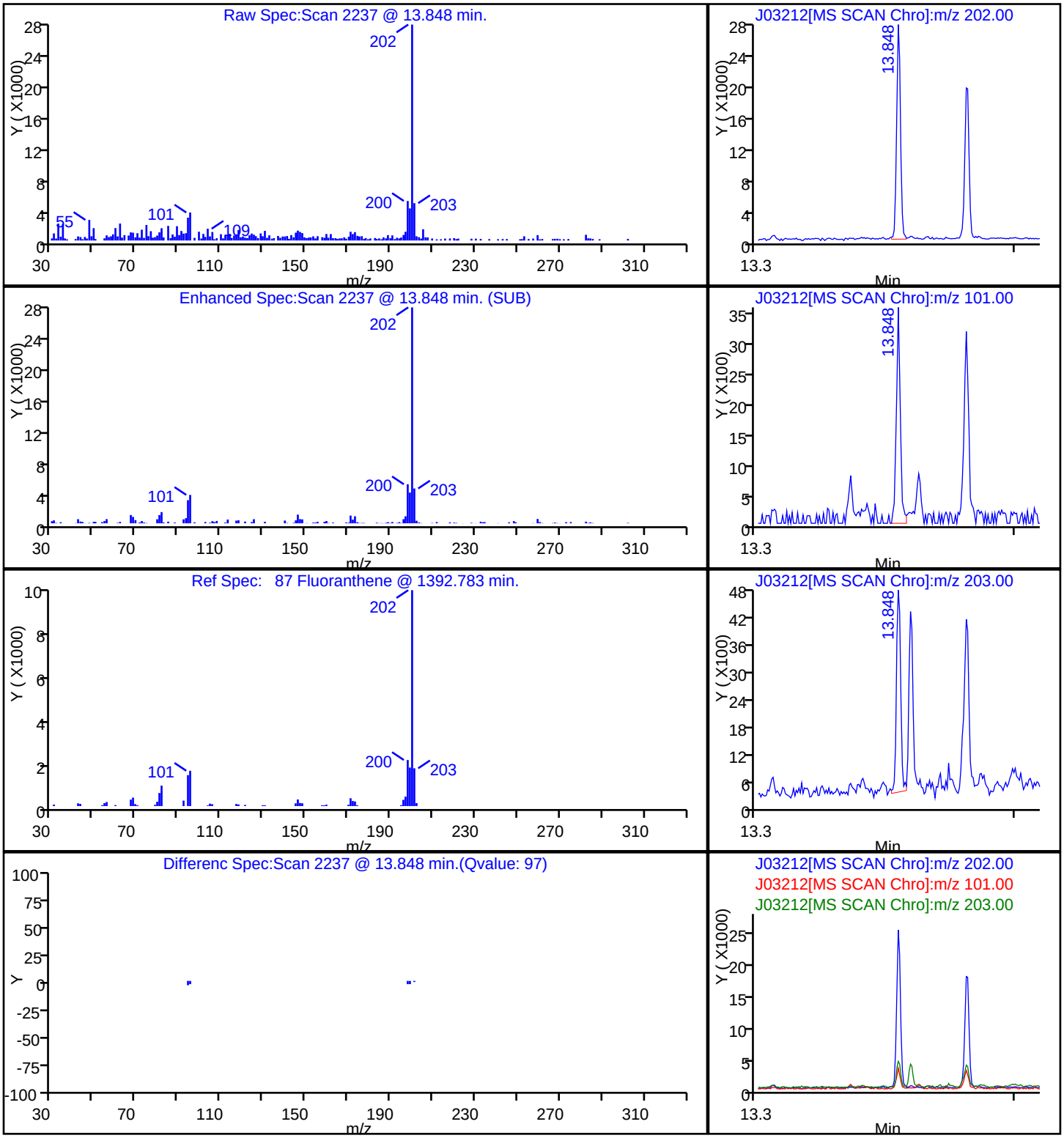
94 Chrysene



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

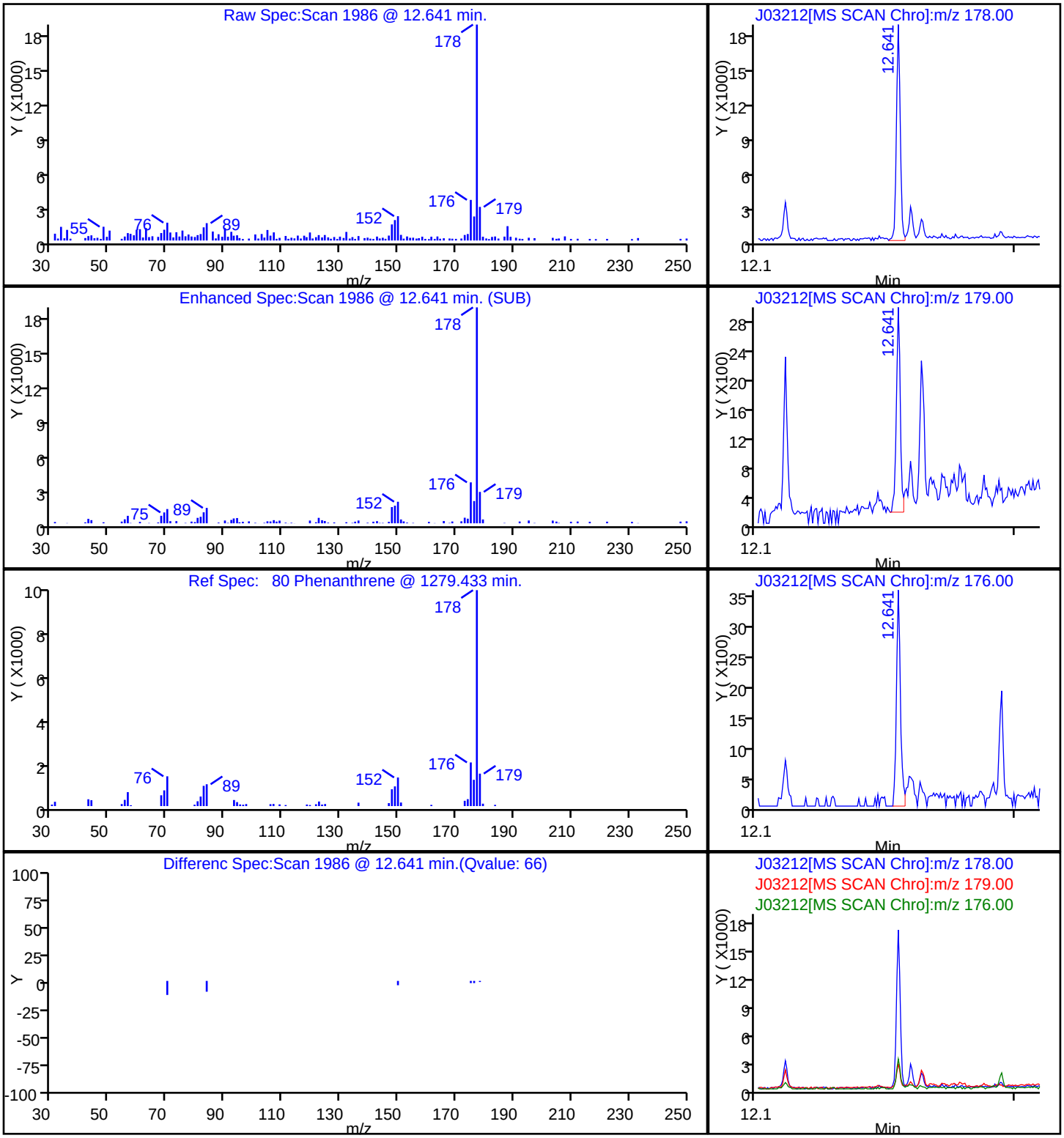
87 Fluoranthene



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

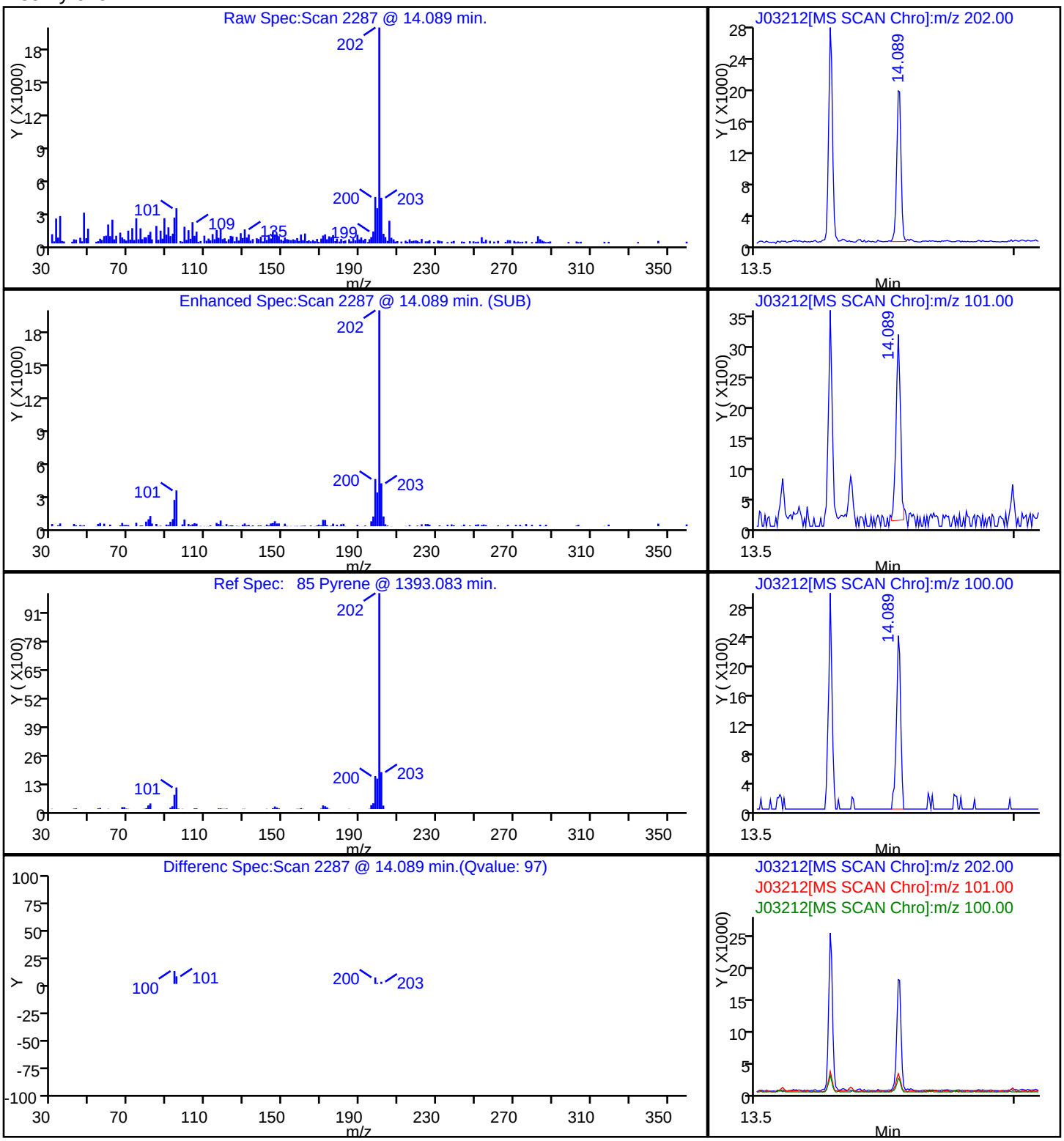
80 Phenanthrene



Report Date: 30-Sep-2009 09:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



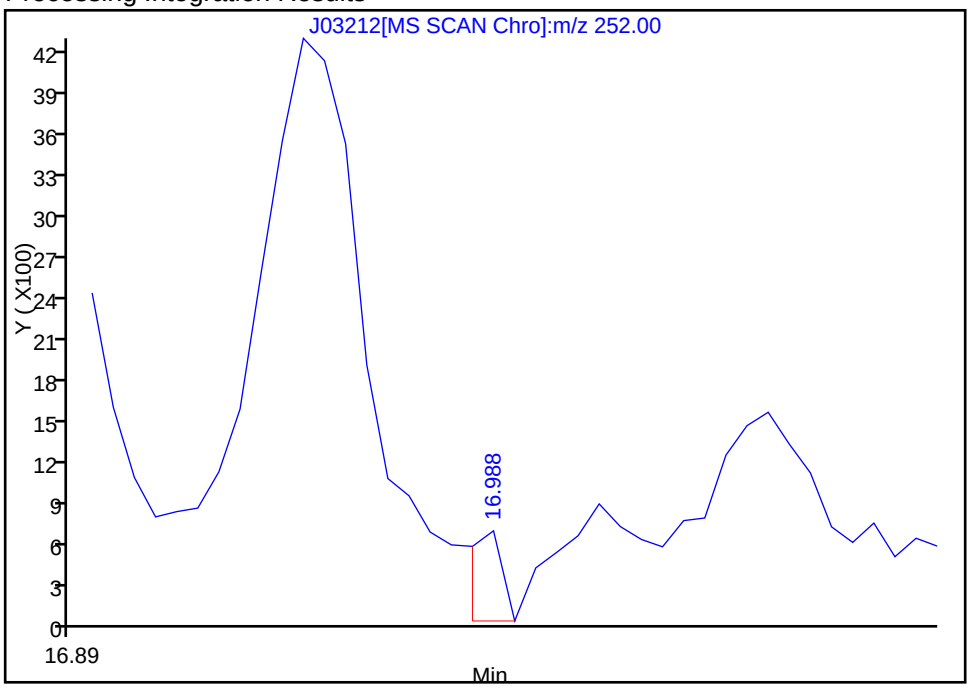
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 16.95

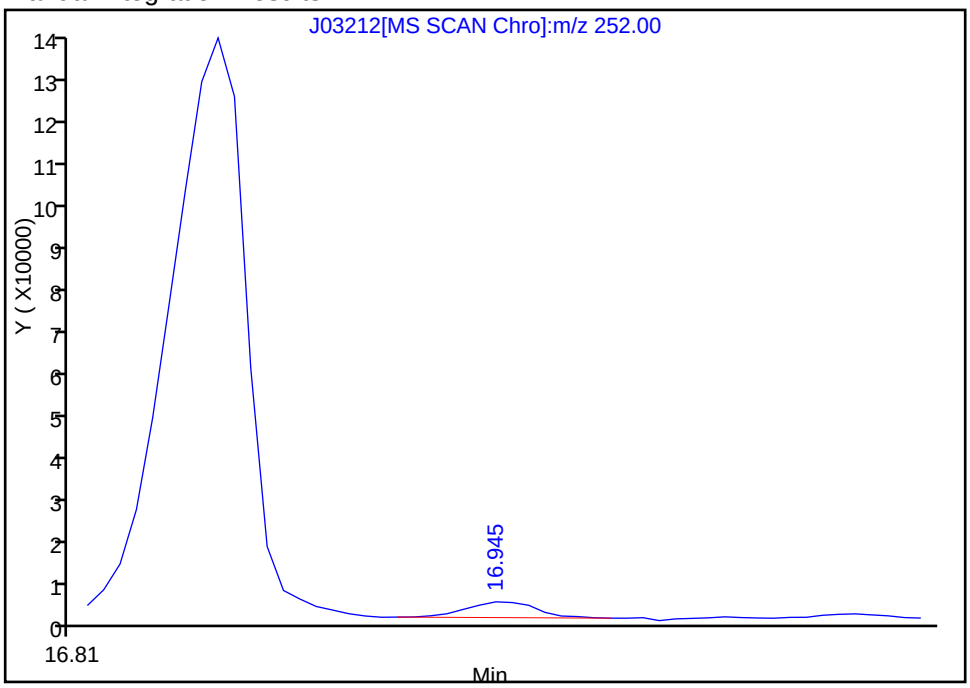
Processing Integration Results

RT: 16.99
Response: 345
Amount: 0.022329



Manual Integration Results

RT: 16.94
Response: 5070
Amount: 0.328142



Reviewer: sullivanp, 30-Sep-2009 09:19:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

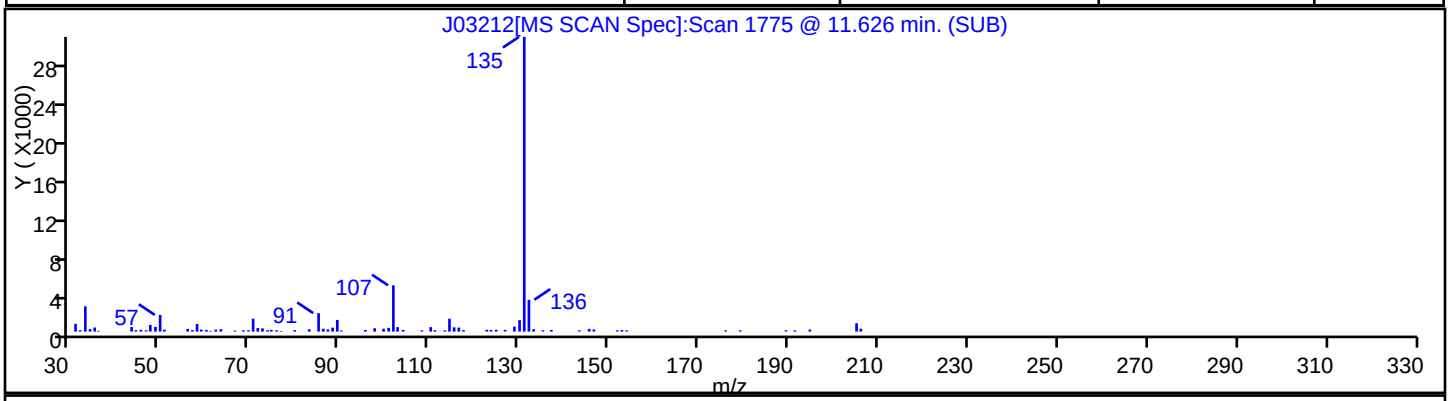
Lims Batch ID: 49648 Lims Sample ID: 31

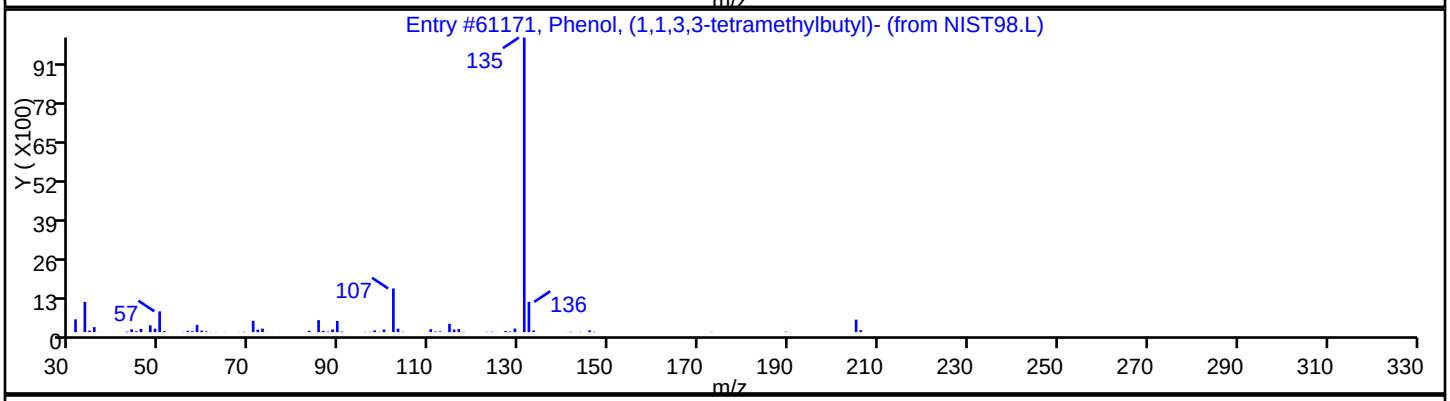
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

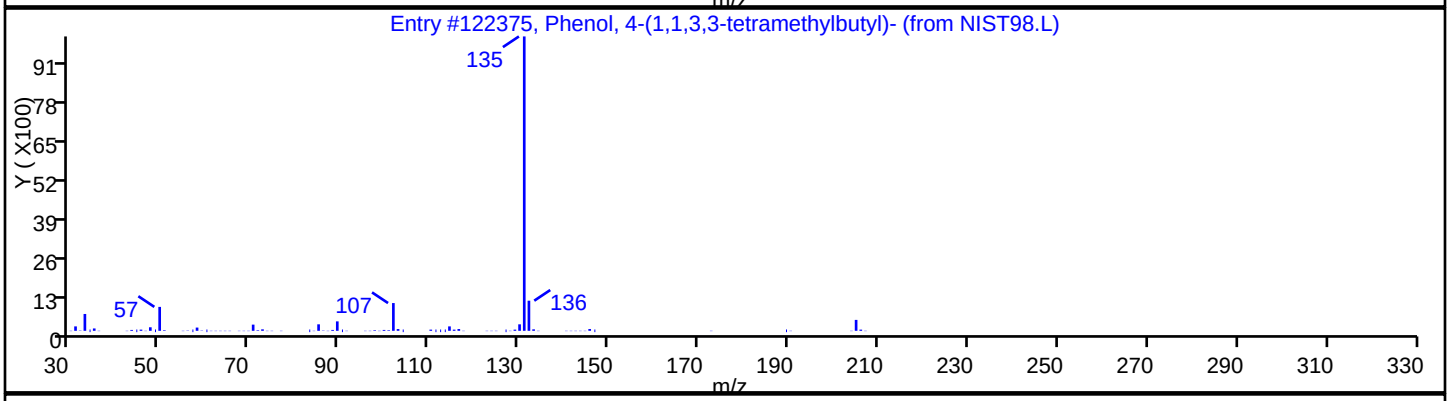
Sample Info: 360-24582-a-13-c 10X

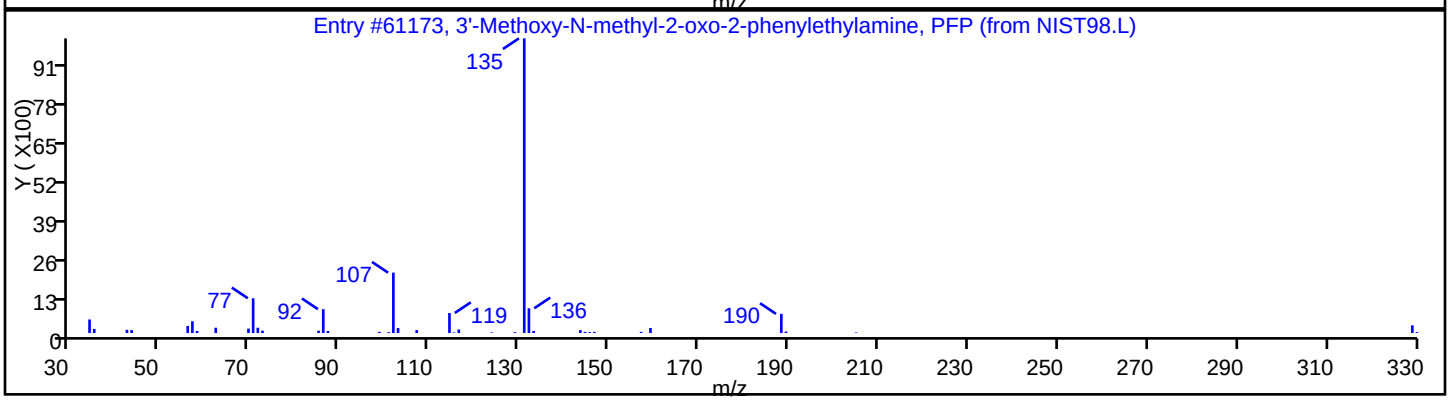
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	90
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	122375	80
3'-Methoxy-N-methyl-2-oxo-2-phenylethyla	1000099-92-9	NIST98.L	61173	64





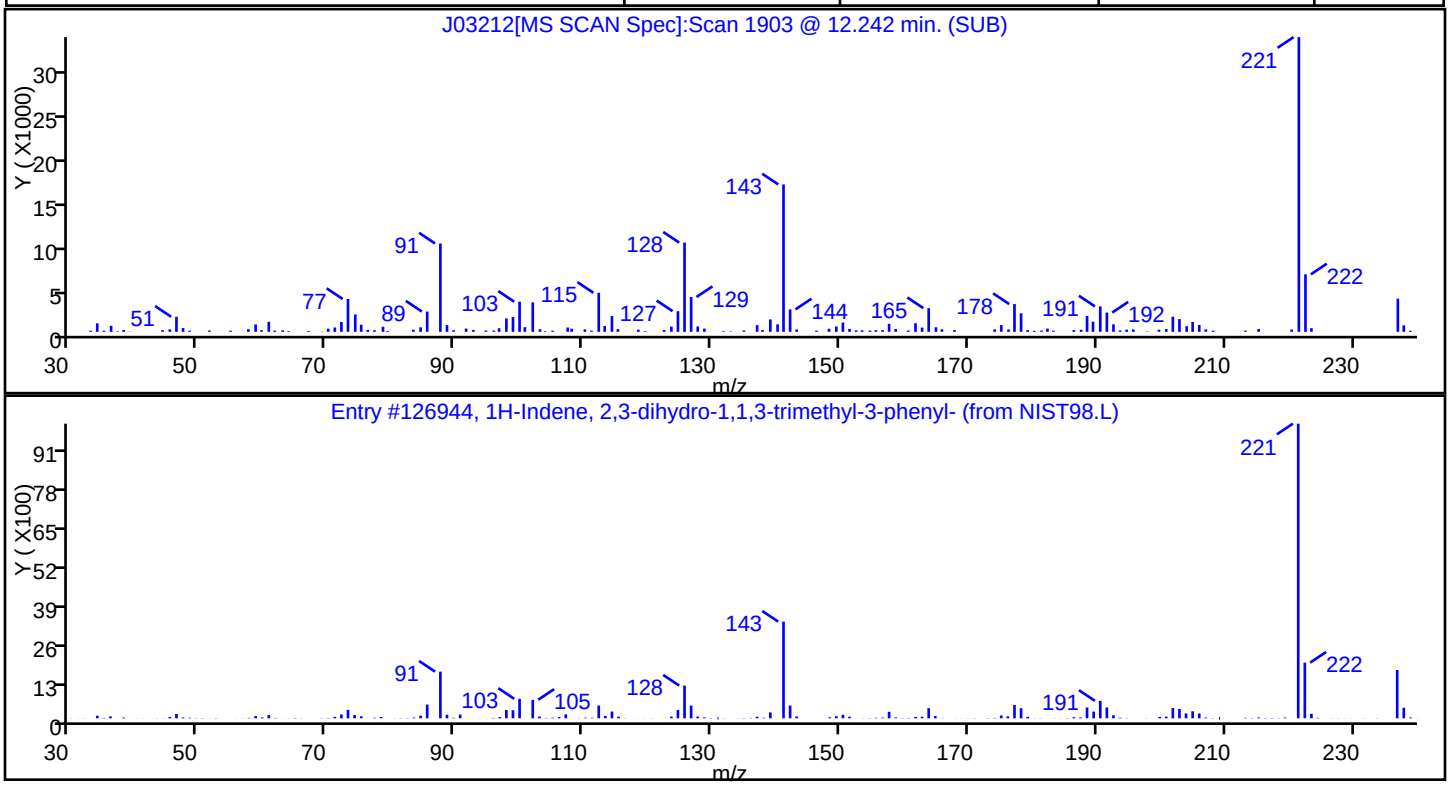




Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D		
Inj Date:	29-Sep-2009 06:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	31
Client ID:	OC-SS-408-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-13-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	97



Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

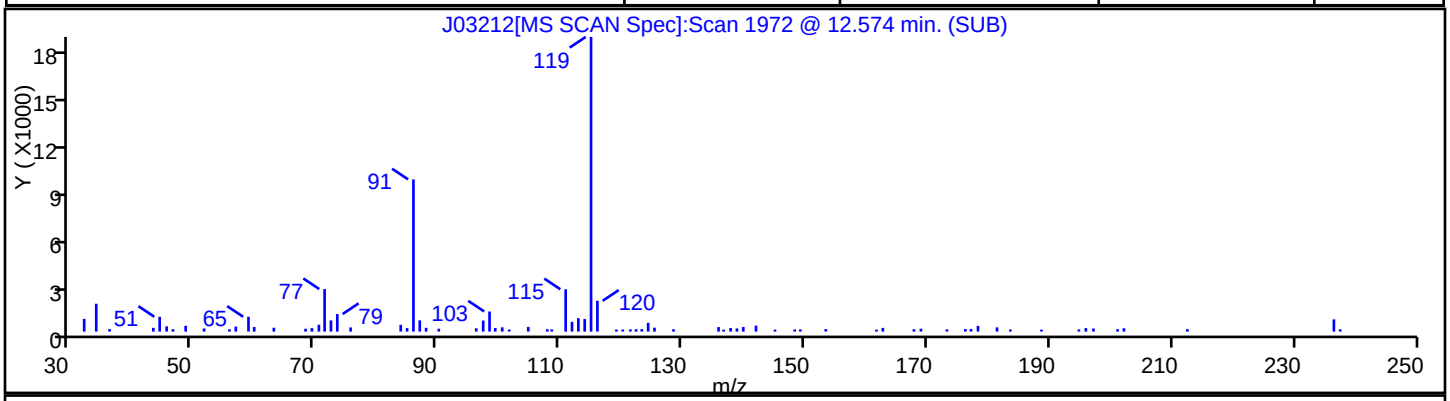
Lims Batch ID: 49648 Lims Sample ID: 31

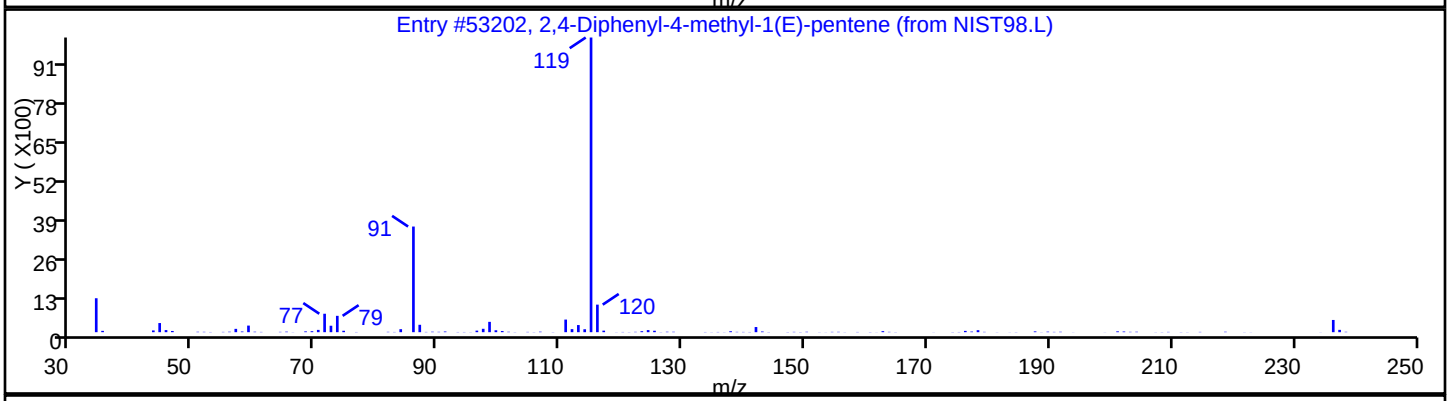
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

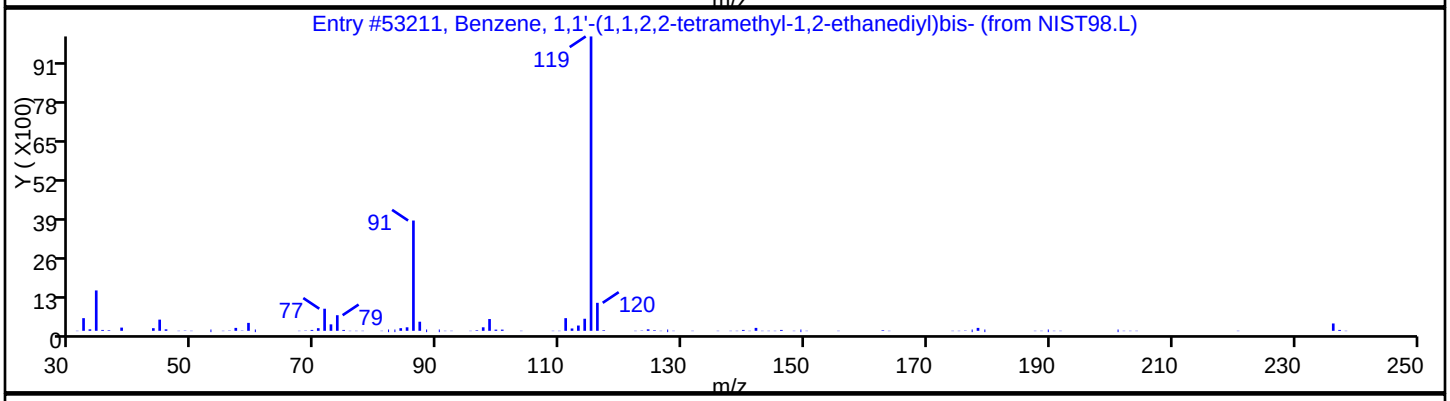
Sample Info: 360-24582-a-13-c 10X

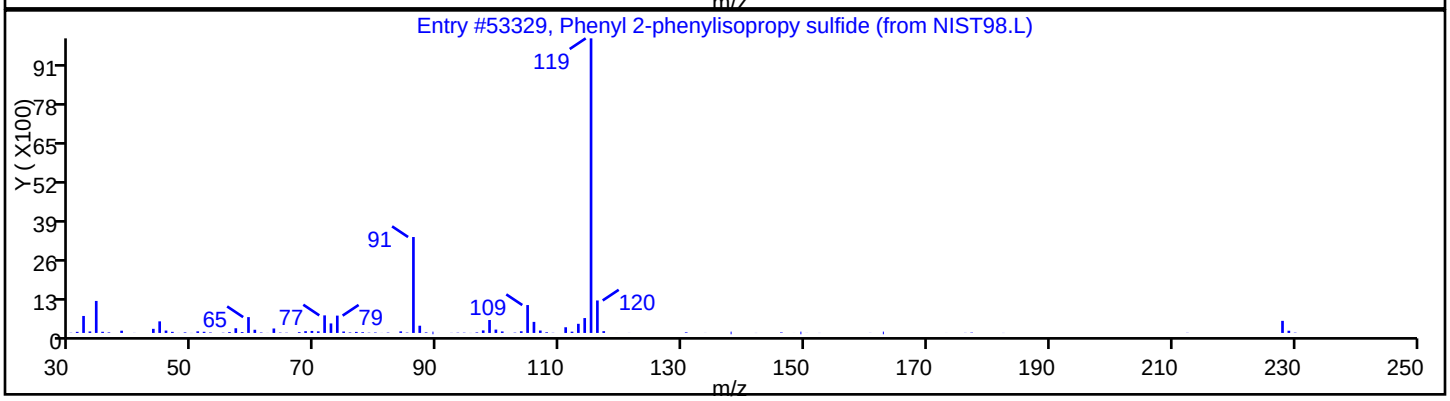
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-1(E)-pentene	1000111-58-0	NIST98.L	53202	87
Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-e	1889-67-4	NIST98.L	53211	78
Phenyl 2-phenylisopropy sulfide	4148-93-0	NIST98.L	53329	72









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

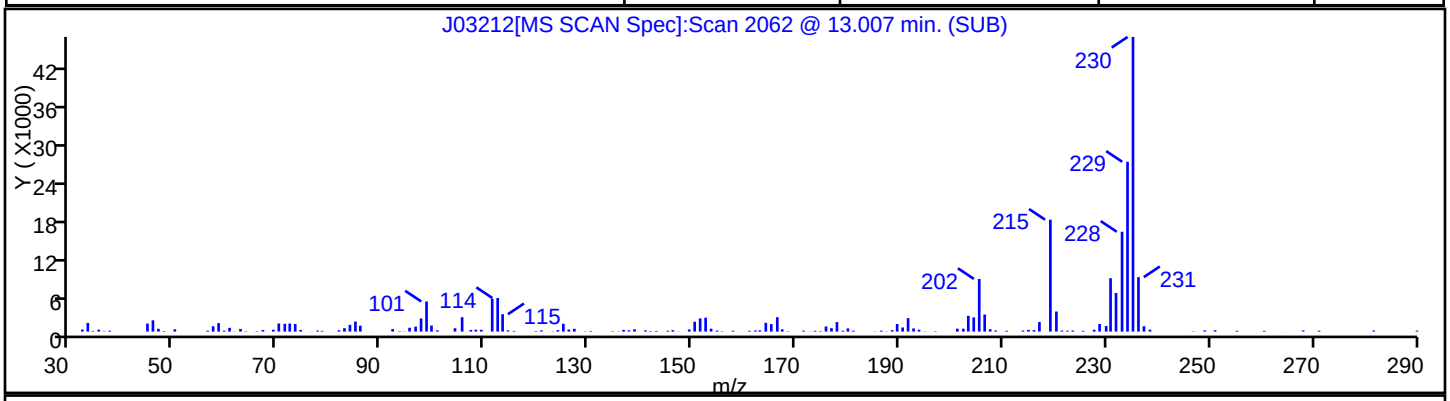
Lims Batch ID: 49648 Lims Sample ID: 31

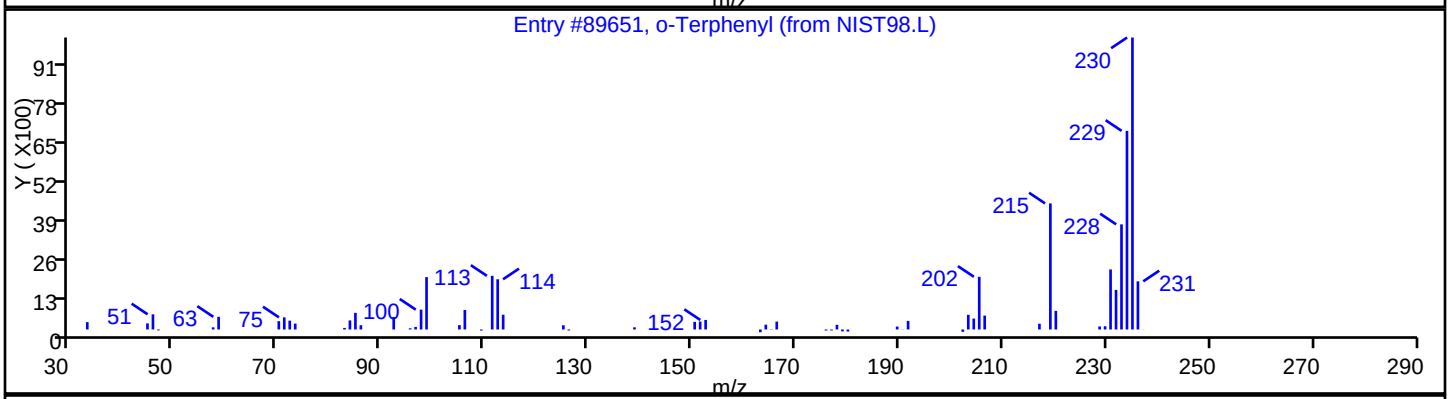
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

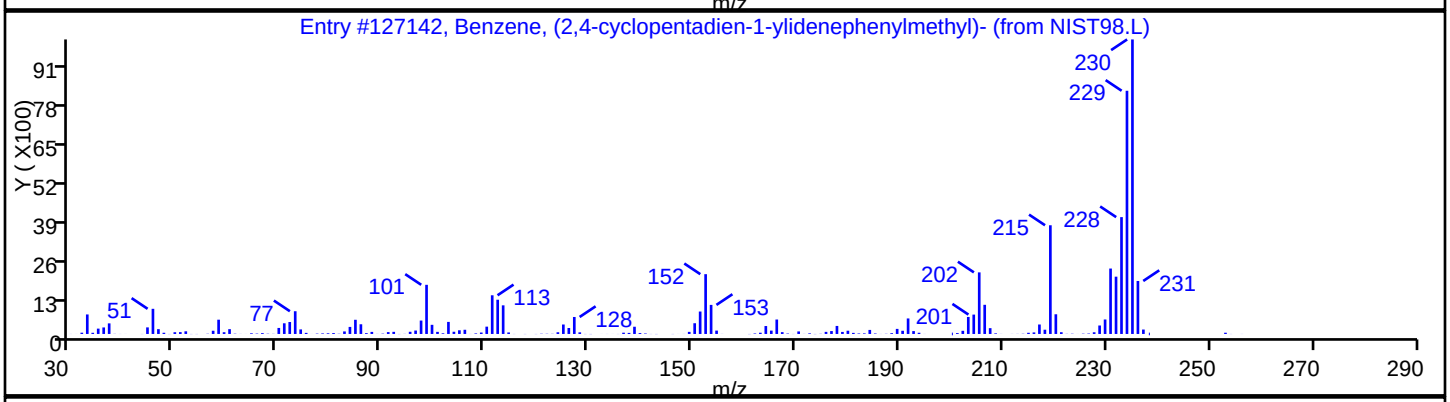
Sample Info: 360-24582-a-13-c 10X

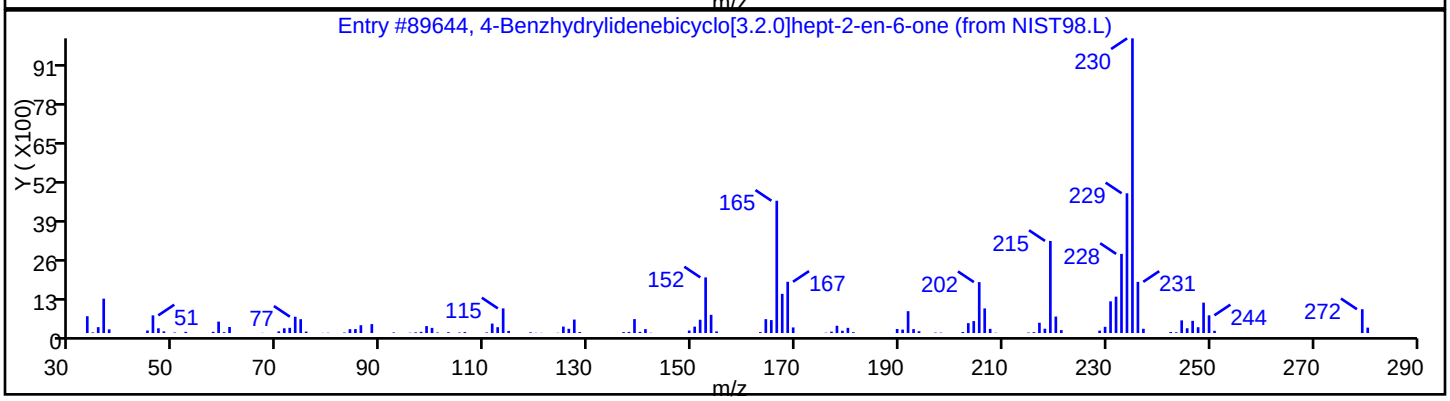
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
o-Terphenyl	84-15-1	NIST98.L	89651	99
Benzene, (2,4-cyclopentadien-1-ylideneph	2175-90-8	NIST98.L	127142	90
4-Benzhydrylidenebicyclo[3.2.0]hept-2-en	34130-48-8	NIST98.L	89644	83









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

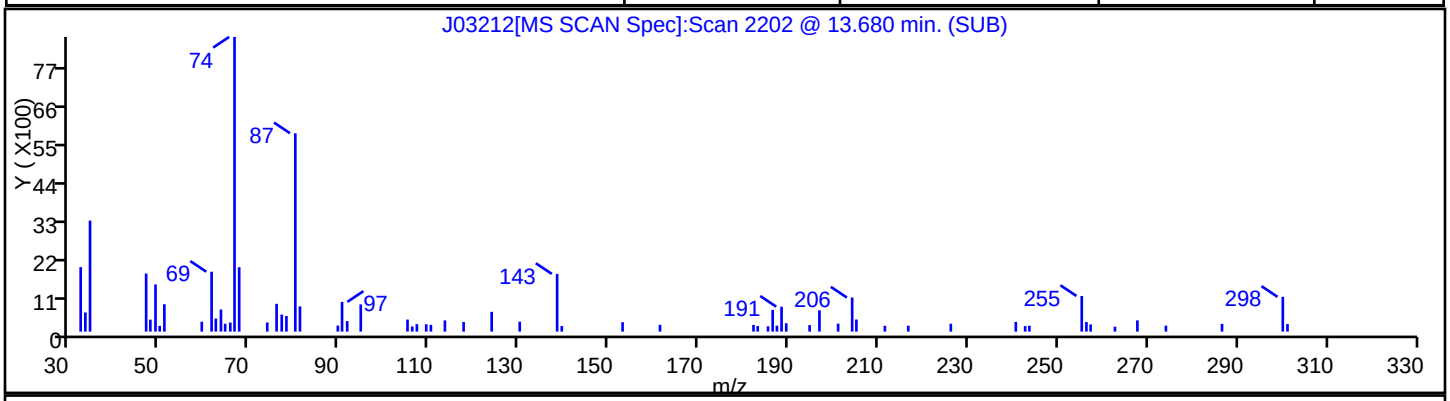
Lims Batch ID: 49648 Lims Sample ID: 31

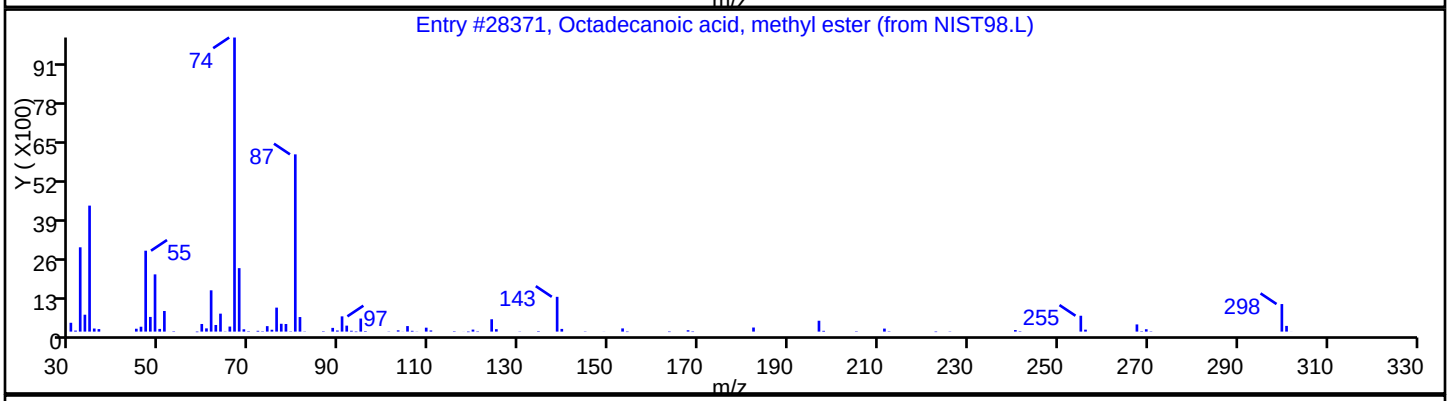
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

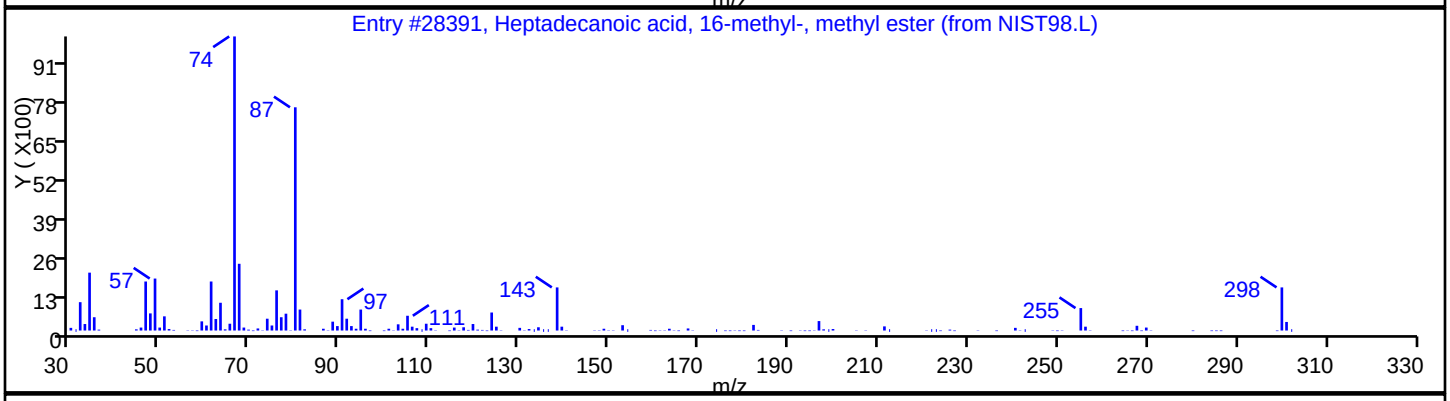
Sample Info: 360-24582-a-13-c 10X

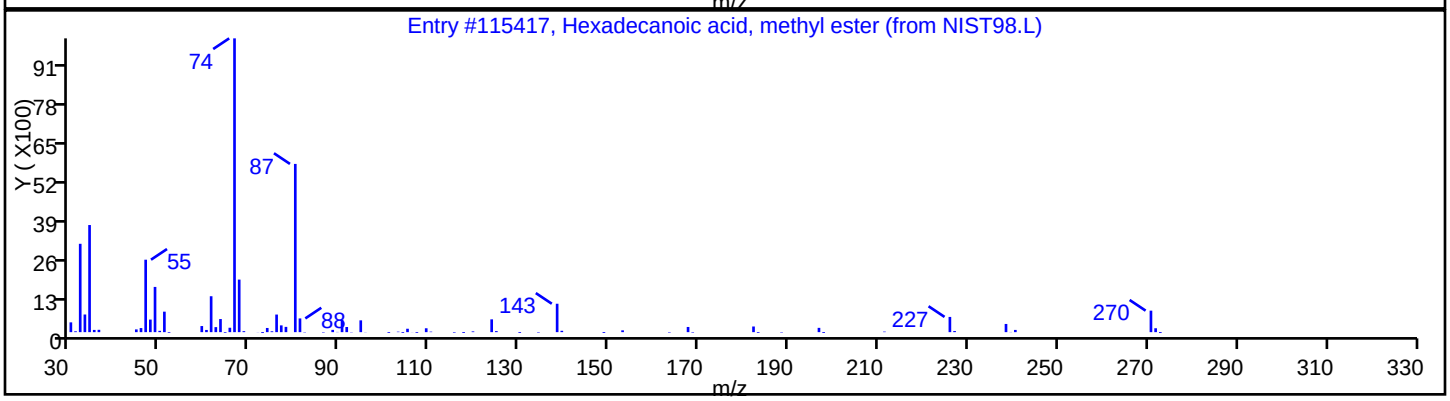
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	28371	98
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	28391	97
Hexadecanoic acid, methyl ester	112-39-0	NIST98.L	115417	87









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

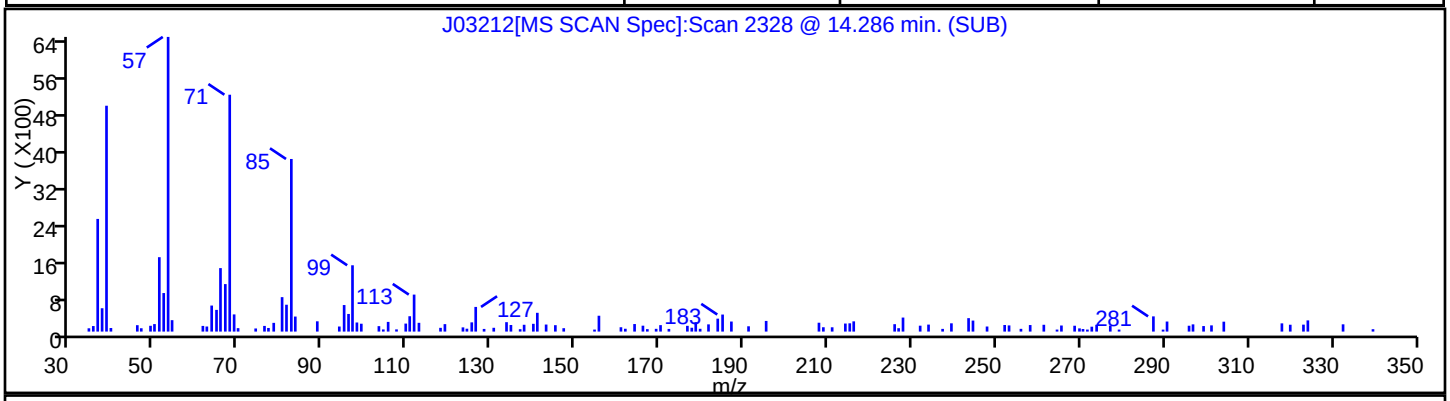
Lims Batch ID: 49648 Lims Sample ID: 31

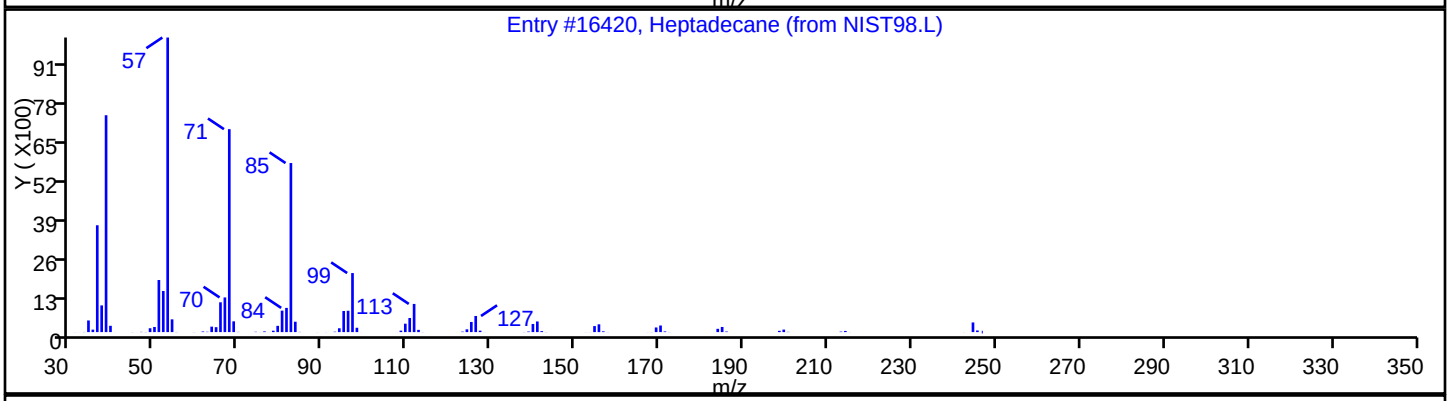
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

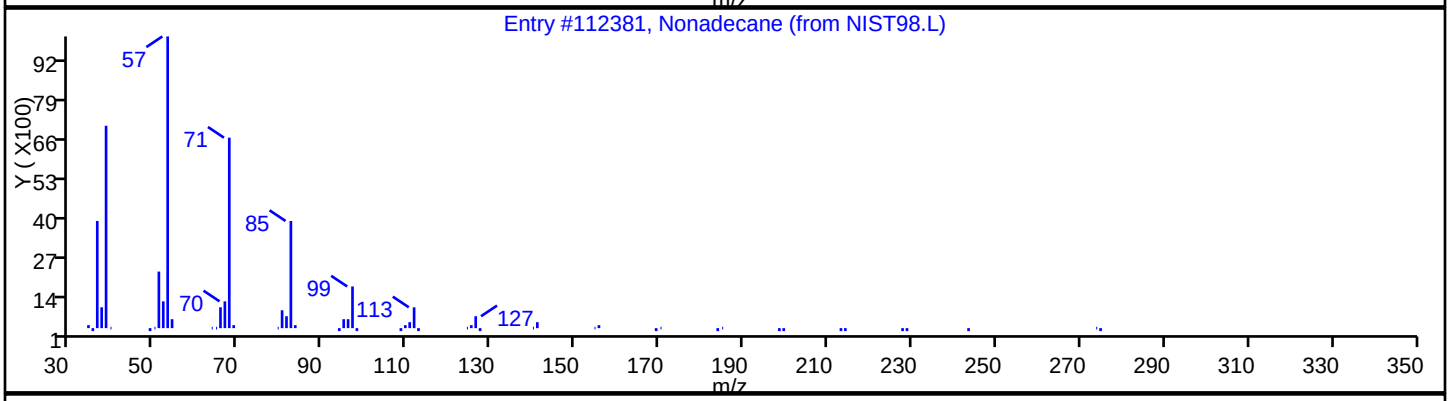
Sample Info: 360-24582-a-13-c 10X

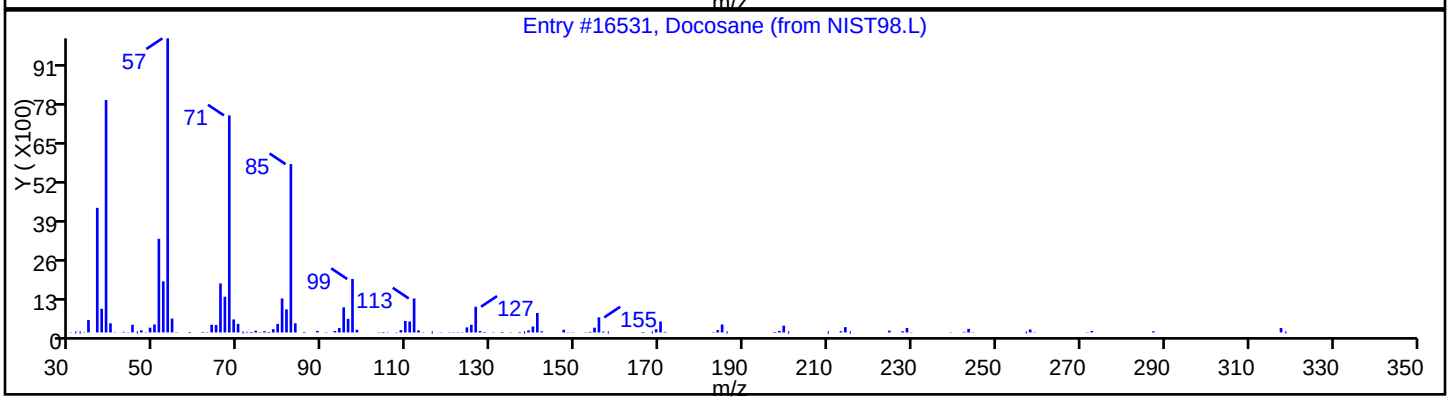
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	16420	98
Nonadecane	629-92-5	NIST98.L	112381	96
Docosane	629-97-0	NIST98.L	16531	95









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

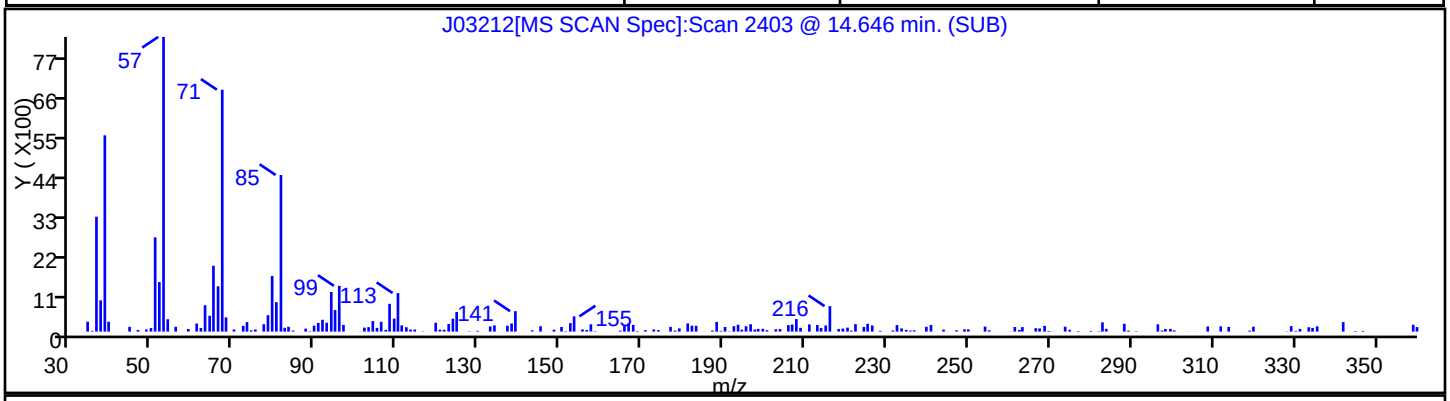
Lims Batch ID: 49648 Lims Sample ID: 31

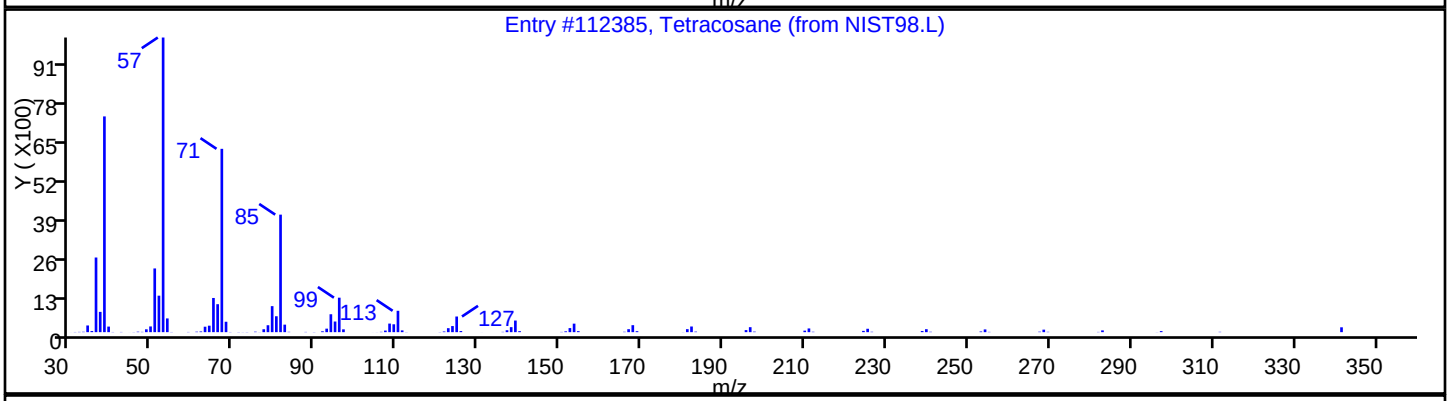
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

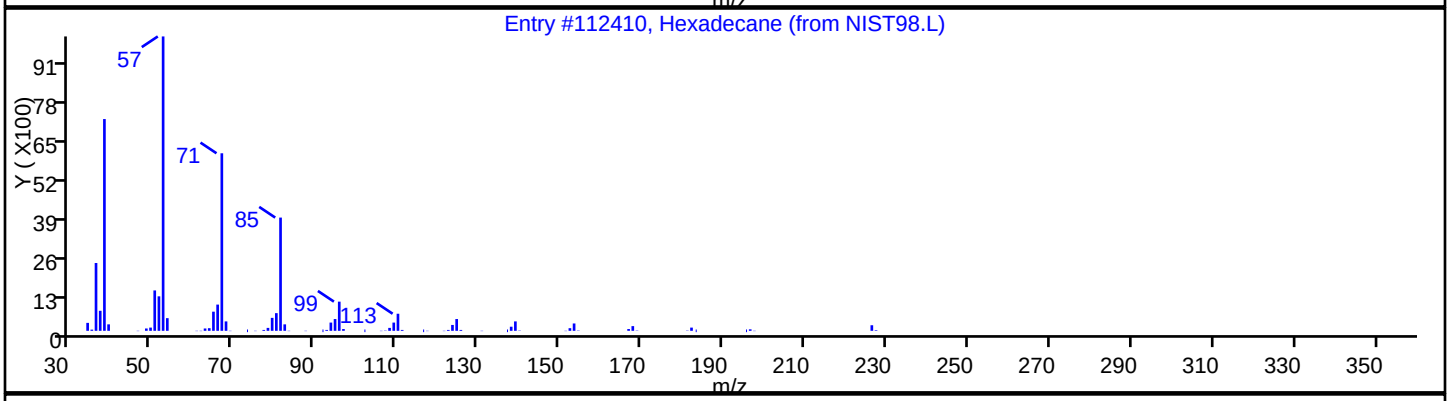
Sample Info: 360-24582-a-13-c 10X

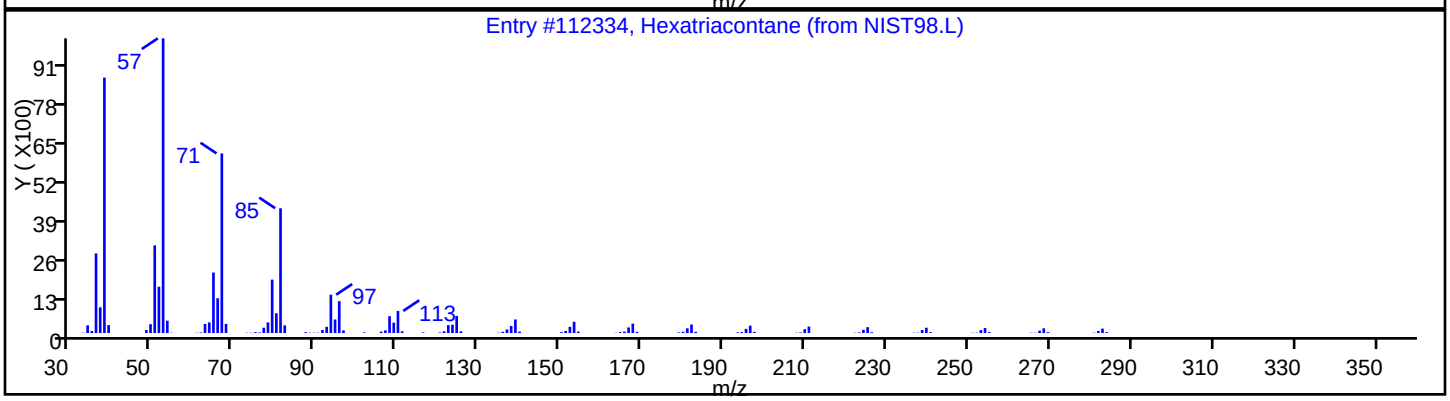
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112385	97
Hexadecane	544-76-3	NIST98.L	112410	95
Hexatriacontane	630-6-8	NIST98.L	112334	94









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

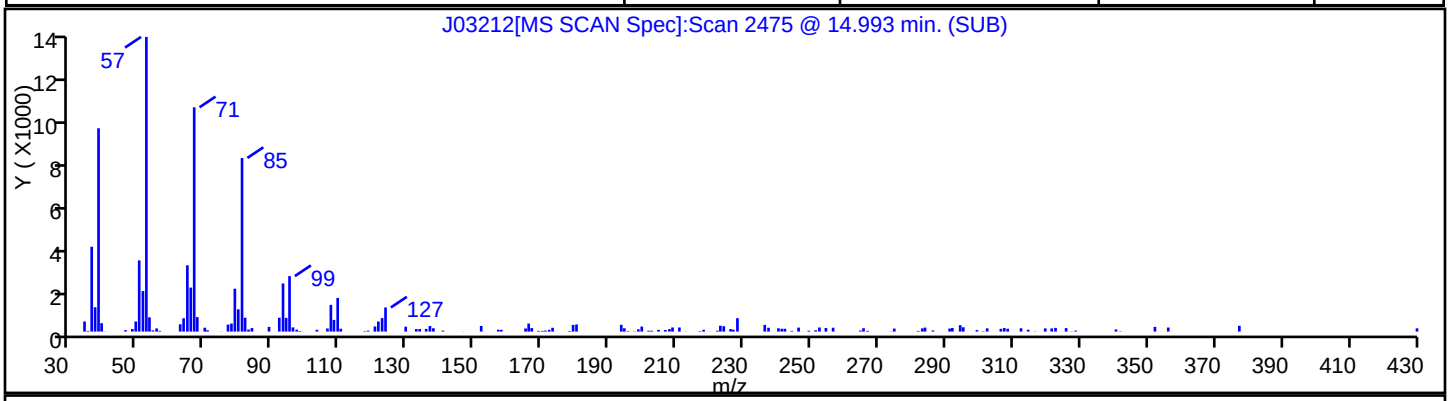
Lims Batch ID: 49648 Lims Sample ID: 31

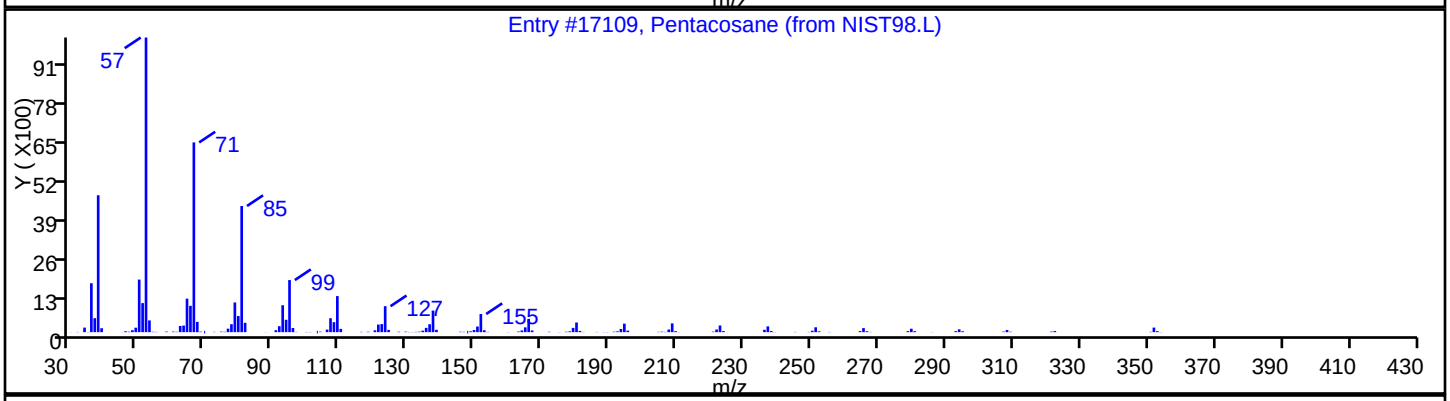
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

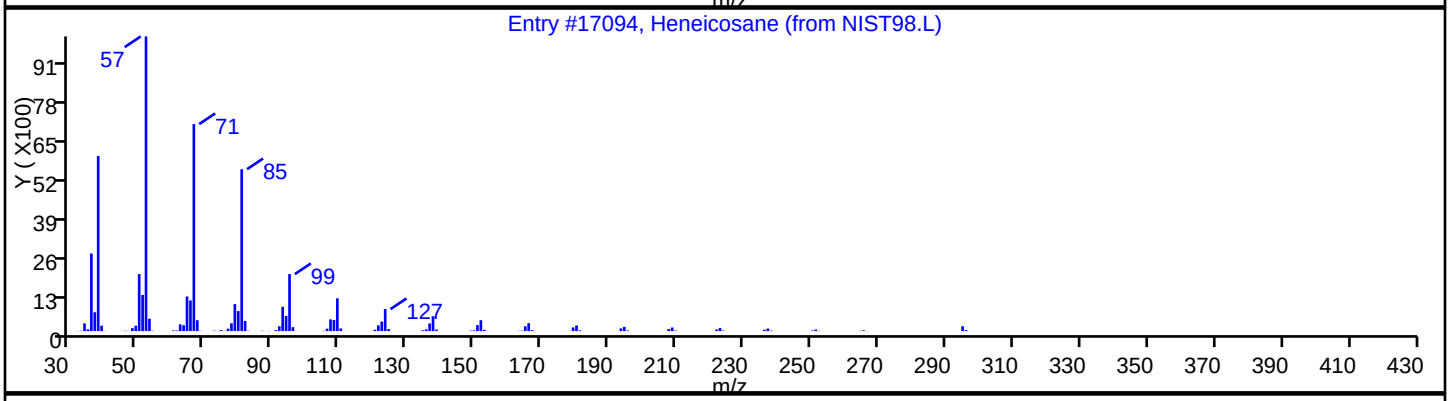
Sample Info: 360-24582-a-13-c 10X

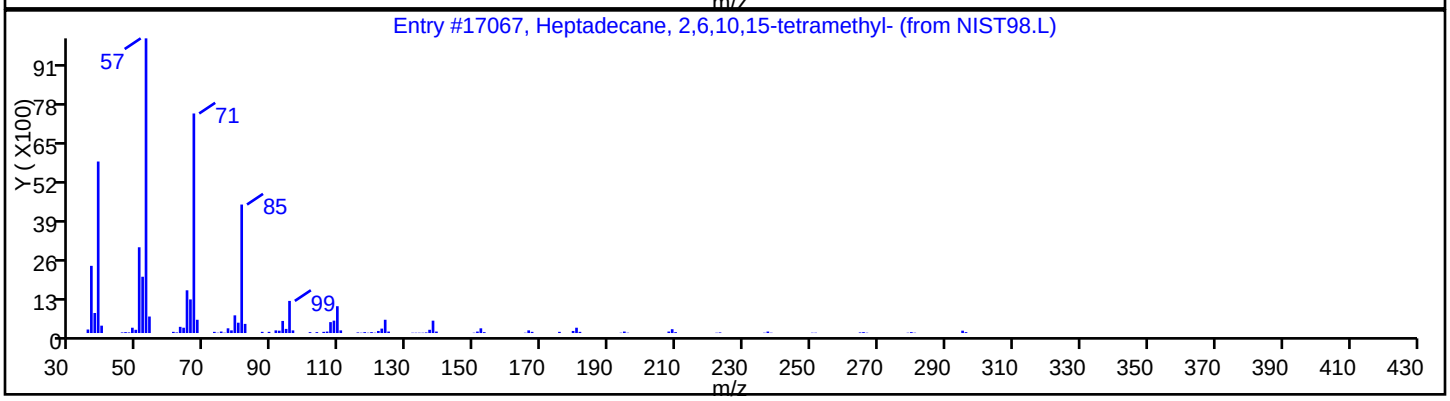
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	94
Heneicosane	629-94-7	NIST98.L	17094	93
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93









Report Date: 30-Sep-2009 09:19:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03212.D

Inj Date: 29-Sep-2009 06:00:30 Limit Group: SMS - 8270LL SVOA Calibration

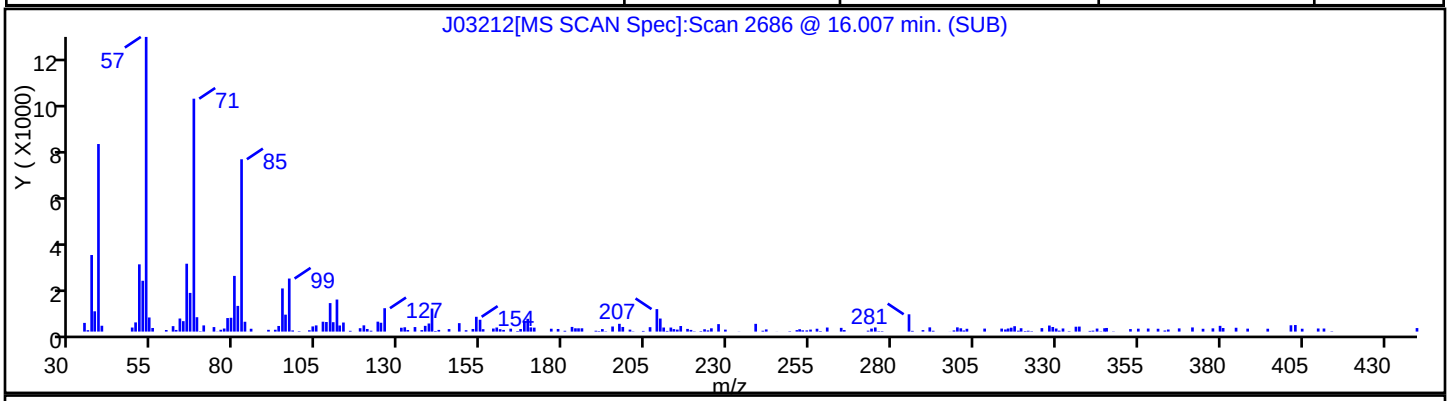
Lims Batch ID: 49648 Lims Sample ID: 31

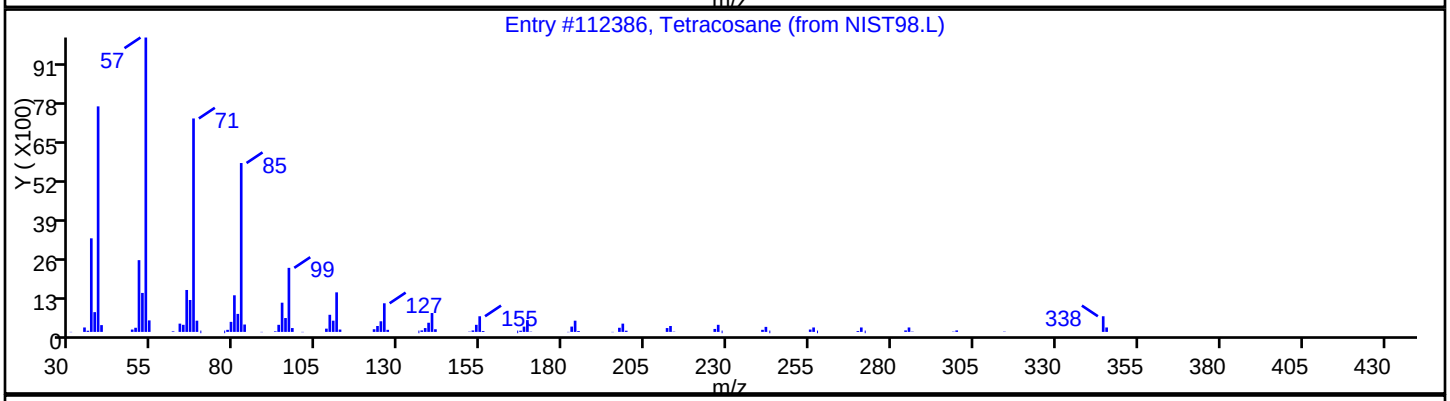
Client ID: OC-SS-408-0.0/1.0-XXX Instrument: Inst. J

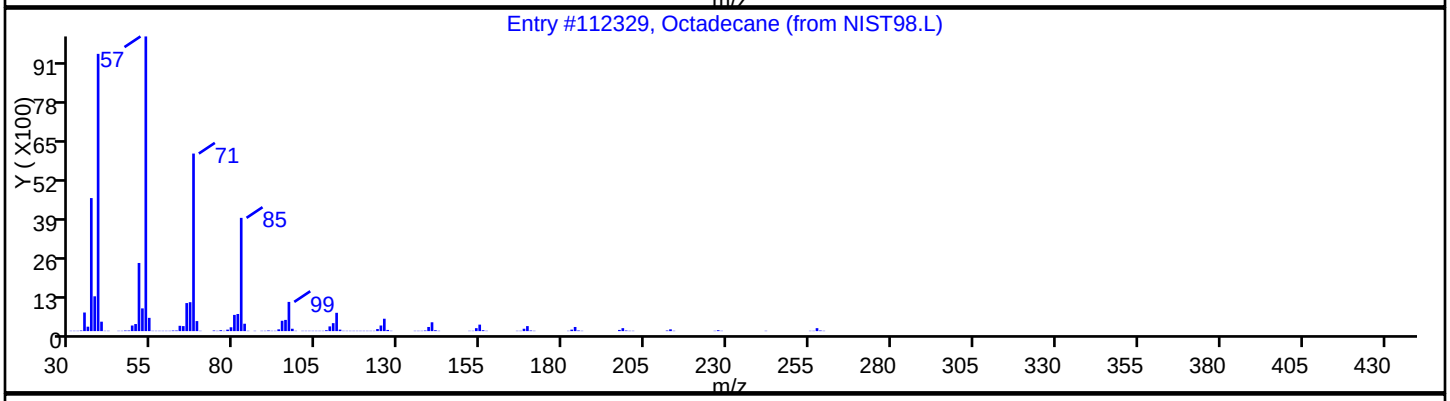
Sample Info: 360-24582-a-13-c 10X

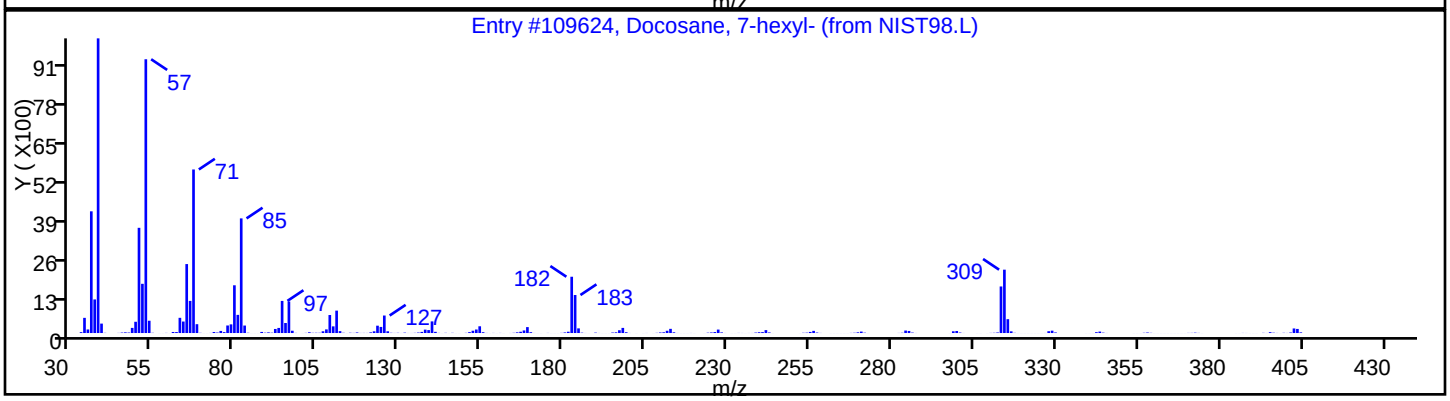
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112386	95
Octadecane	593-45-3	NIST98.L	112329	94
Docosane, 7-hexyl-	55373-86-9	NIST98.L	109624	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: J03213.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:00

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.38(g) | Date Analyzed: 09/29/2009 06:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		340	100
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		340	100
120-82-1	1,2,4-Trichlorobenzene	ND		340	100
95-50-1	1,2-Dichlorobenzene	ND		340	100
541-73-1	1,3-Dichlorobenzene	ND		340	100
106-46-7	1,4-Dichlorobenzene	ND		340	100
90-12-0	1-Methylnaphthalene	ND		340	100
108-60-1	2,2'-oxybis[1-chloropropane]	ND		340	100
58-90-2	2,3,4,6-Tetrachlorophenol	ND		340	100
95-95-4	2,4,5-Trichlorophenol	ND		340	100
88-06-2	2,4,6-Trichlorophenol	ND		340	100
120-83-2	2,4-Dichlorophenol	ND	*	340	100
105-67-9	2,4-Dimethylphenol	ND		340	130
51-28-5	2,4-Dinitrophenol	ND		340	100
121-14-2	2,4-Dinitrotoluene	ND		340	100
606-20-2	2,6-Dinitrotoluene	ND		340	100
91-58-7	2-Chloronaphthalene	ND		340	100
95-57-8	2-Chlorophenol	ND		340	100
91-57-6	2-Methylnaphthalene	ND		340	100
95-48-7	2-Methylphenol	ND		340	210
88-74-4	2-Nitroaniline	ND		1700	100
88-75-5	2-Nitrophenol	ND		340	100
15831-10-4	3 & 4 Methylphenol	ND		340	100
91-94-1	3,3'-Dichlorobenzidine	ND		680	100
99-09-2	3-Nitroaniline	ND		1700	100
534-52-1	4,6-Dinitro-2-methylphenol	ND		1700	100
101-55-3	4-Bromophenyl phenyl ether	ND		340	100
59-50-7	4-Chloro-3-methylphenol	ND		680	100
106-47-8	4-Chloroaniline	ND		680	100
7005-72-3	4-Chlorophenyl phenyl ether	ND		340	100
100-01-6	4-Nitroaniline	ND		1700	100
100-02-7	4-Nitrophenol	ND		1700	100
83-32-9	Acenaphthene	ND		340	100
208-96-8	Acenaphthylene	ND		340	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: J03213.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:00

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.38(g) | Date Analyzed: 09/29/2009 06:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		340	100
62-53-3	Aniline	ND	*	340	100
120-12-7	Anthracene	ND		340	100
1912-24-9	Atrazine	ND		340	100
103-33-3	Azobenzene	ND		340	100
100-52-7	Benzaldehyde	ND		340	100
56-55-3	Benzo[a]anthracene	ND		340	100
50-32-8	Benzo[a]pyrene	ND		340	100
205-99-2	Benzo[b]fluoranthene	ND		340	100
191-24-2	Benzo[g,h,i]perylene	ND		340	100
207-08-9	Benzo[k]fluoranthene	ND		340	100
65-85-0	Benzoic acid	ND		1700	150
119-61-9	Benzophenone	ND		340	100
100-51-6	Benzyl alcohol	ND		680	290
111-91-1	Bis(2-chloroethoxy)methane	ND		340	100
111-44-4	Bis(2-chloroethyl)ether	ND		340	100
117-81-7	Bis(2-ethylhexyl) phthalate	2200	B	340	100
85-68-7	Butyl benzyl phthalate	ND		340	100
105-60-2	Caprolactam	ND		340	100
86-74-8	Carbazole	ND		340	100
218-01-9	Chrysene	ND		340	100
53-70-3	Dibenz(a,h)anthracene	210	J	340	100
132-64-9	Dibenzofuran	ND		340	100
84-66-2	Diethyl phthalate	ND		340	100
131-11-3	Dimethyl phthalate	ND		340	100
84-74-2	Di-n-butyl phthalate	ND		340	300
117-84-0	Di-n-octyl phthalate	ND		340	170
101-84-8	Diphenyl oxide	ND		340	100
206-44-0	Fluoranthene	ND		340	100
86-73-7	Fluorene	ND		340	100
118-74-1	Hexachlorobenzene	ND		340	100
87-68-3	Hexachlorobutadiene	ND		340	100
77-47-4	Hexachlorocyclopentadiene	ND		680	100
67-72-1	Hexachloroethane	ND		340	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: J03213.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:00

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.38(g) | Date Analyzed: 09/29/2009 06:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	340	100
78-59-1	Isophorone	ND		340	100
91-20-3	Naphthalene	ND		820	100
98-95-3	Nitrobenzene	ND		340	100
62-75-9	N-Nitrosodimethylamine	ND		340	120
621-64-7	N-Nitrosodi-n-propylamine	ND		340	100
86-30-6	N-Nitrosodiphenylamine	330	J	340	100
87-86-5	Pentachlorophenol	ND		340	100
85-01-8	Phenanthrene	ND		410	100
108-95-2	Phenol	ND		340	100
129-00-0	Pyrene	ND		340	100

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	81	30-130	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	72	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	72	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: J03213.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:00

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.38(g) | Date Analyzed: 09/29/2009 06:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 2185

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-83-9	.alpha.-Methylstyrene	7.76	100	T J N
90-2-8	Benzaldehyde, 2-hydroxy-	8.31	130	T J N
123-8-0	Benzaldehyde, 4-hydroxy-	10.28	110	T J N
17699-5-7	Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6	10.75	80	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.62	99	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.25	380	T J N
7342-86-1	Benzo[b]thiophene, 3-chloro-	12.38	86	T J N
2467-3-0	Phenol, 2-[(4-hydroxyphenyl)methyl]-	13.42	1200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D		
Lims ID:	360-24582-A-14-D	Client ID:	OC-SS-409-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 06:33:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-14-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49648	Lims Sample ID:	32
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:25:04	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:25:04

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.037	8.036	0.001	52330	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	132041	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	70827	2.00	
* 4 Phenanthrene-d10	188	12.620	12.619	0.001	119061	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	81240	2.00	
* 6 Perylene-d12	264	17.020	17.014	0.006	60668	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	11122	0.7187	
$ 8 Phenol-d5	99	7.686	7.680	0.006	13184	0.7199	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	6361	0.3430	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	15422	0.3765	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	3441	0.8150	
$ 12 Terphenyl-d14	244	14.202	14.201	0.001	11996	0.4104	
17 Benzaldehyde	105	7.594	7.599	-0.005	265	0.0277	
18 Phenol	94	7.695	7.695	0.000	5616	0.2854	
19 Aniline	93	7.743	7.743	0.000	3303	0.1433	
30 Acetophenone	105	8.470	8.469	0.001	3432	0.1600	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	3755	0.0871	
54 Phenyl ether	170	10.629	10.628	0.001	6450	0.2939	
72 N-Nitrosodiphenylamine	169	11.768	11.768	0.000	30724	0.9545	
80 Phenanthrene	178	12.644	12.643	0.001	6638	0.1351	
81 Anthracene	178	12.687	12.686	0.001	1158	0.0213	
83 Carbazole	167	12.841	12.840	0.001	1734	0.0407	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	7112	0.1144	
87 Fluoranthene	202	13.851	13.850	0.001	13184	0.2677	
85 Pyrene	202	14.091	14.091	0.000	10845	0.2268	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	182816	6.33	
93 Benzo[a]anthracene	228	15.361	15.355	0.006	4171	0.1271	M
94 Chrysene	228	15.409	15.408	0.001	6378	0.1950	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
97 Benzo[b]fluoranthene	252	16.544	16.543	0.001	5672	0.1641	M
98 Benzo[k]fluoranthene	252	16.568	16.567	0.001	4694	0.1361	M
99 Benzo[a]pyrene	252	16.952	16.947	0.005	2990	0.1345	M
101 Dibenz(a,h)anthracene	278	18.554	18.544	0.010	1219	0.6106	
100 Indeno[1,2,3-cd]pyrene	276	18.554	18.553	0.001	2149	0.1355	
102 Benzo[g,h,i]perylene	276	19.025	19.020	0.005	3685	0.2464	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D		
Lims ID:	360-24582-A-14-D	Client ID:	OC-SS-409-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 06:33:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-14-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49648	Lims Sample ID:	32
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:25:04	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:25:04

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,4-Dioxane	3.911	50	0.1328	
Pentachloronitrobenzene	12.581	158	0.0873	
1,2-Diphenylhydrazine	11.817	6297	0.1549	
Diphenylamine	11.768	30724	0.9545	
Benzidine	13.908	535	0.9236	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
98-83-9	.alpha.-Methylstyrene					
7.763	33736	0.3060	1	94	120636	
90-2-8	Benzaldehyde, 2-hydroxy-					
8.311	41504	0.3765	1	94	55473	
123-8-0	Benzaldehyde, 4-hydroxy-					
10.278	73080	0.3150	3	95	54810	
17699-5-7	Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6					
10.749	54486	0.2349	3	95	39869	
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-					
11.624	67130	0.2894	3	93	61171	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.245	172416	1.12	4	98	87885	
7342-86-1	Benzo[b]thiophene, 3-chloro-					
12.384	38862	0.2525	4	86	73791	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
2467-3-0	Phenol, 2-[(4-hydroxyphenyl)methyl]-					
13.418	521611	3.39	4	91	48711	

Quantitation Compounds

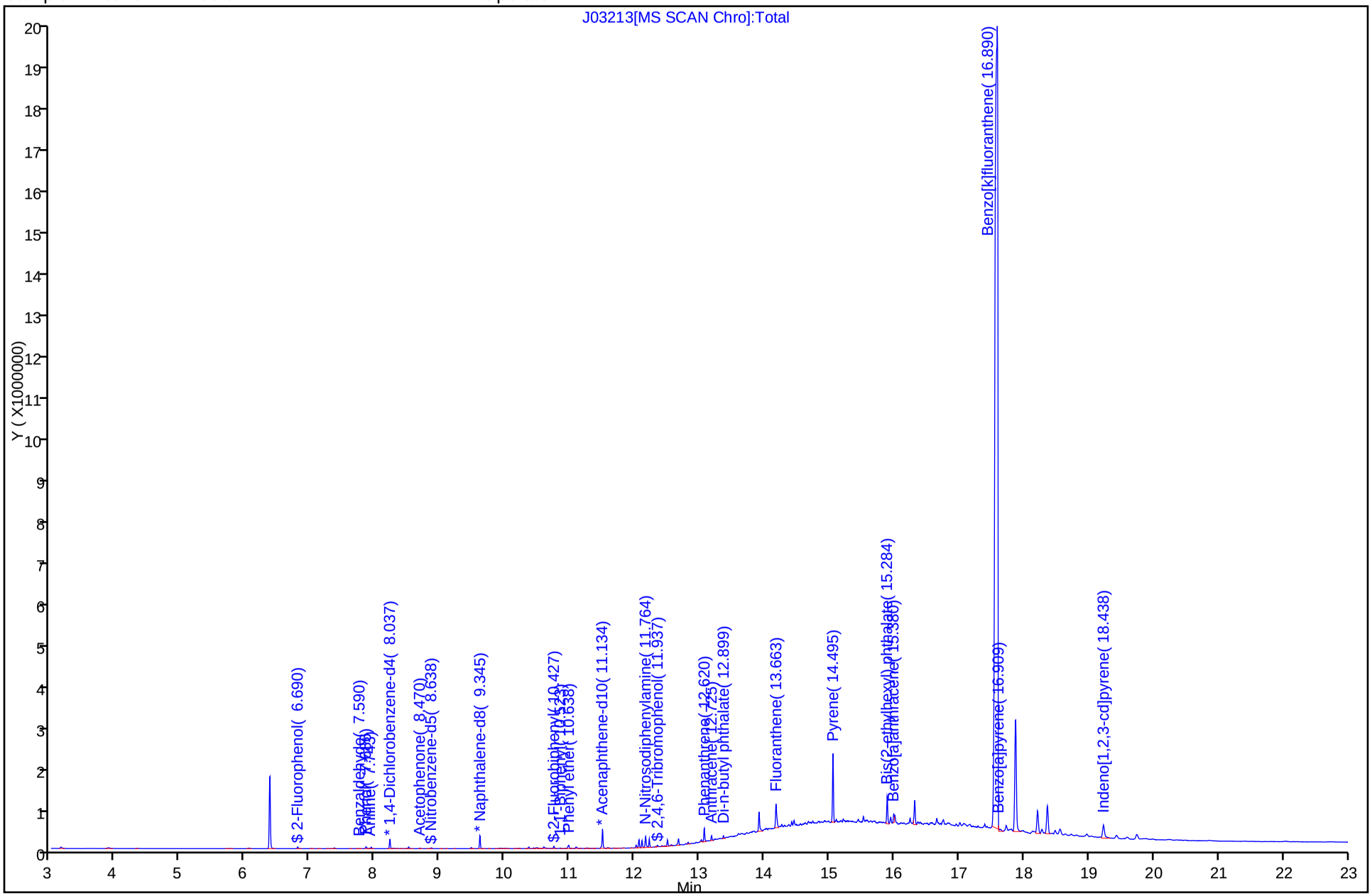
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.037	220469	2.00
* 3 Acenaphthene-d10	11.134	463996	2.00
* 4 Phenanthrene-d10	12.620	307794	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:25:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

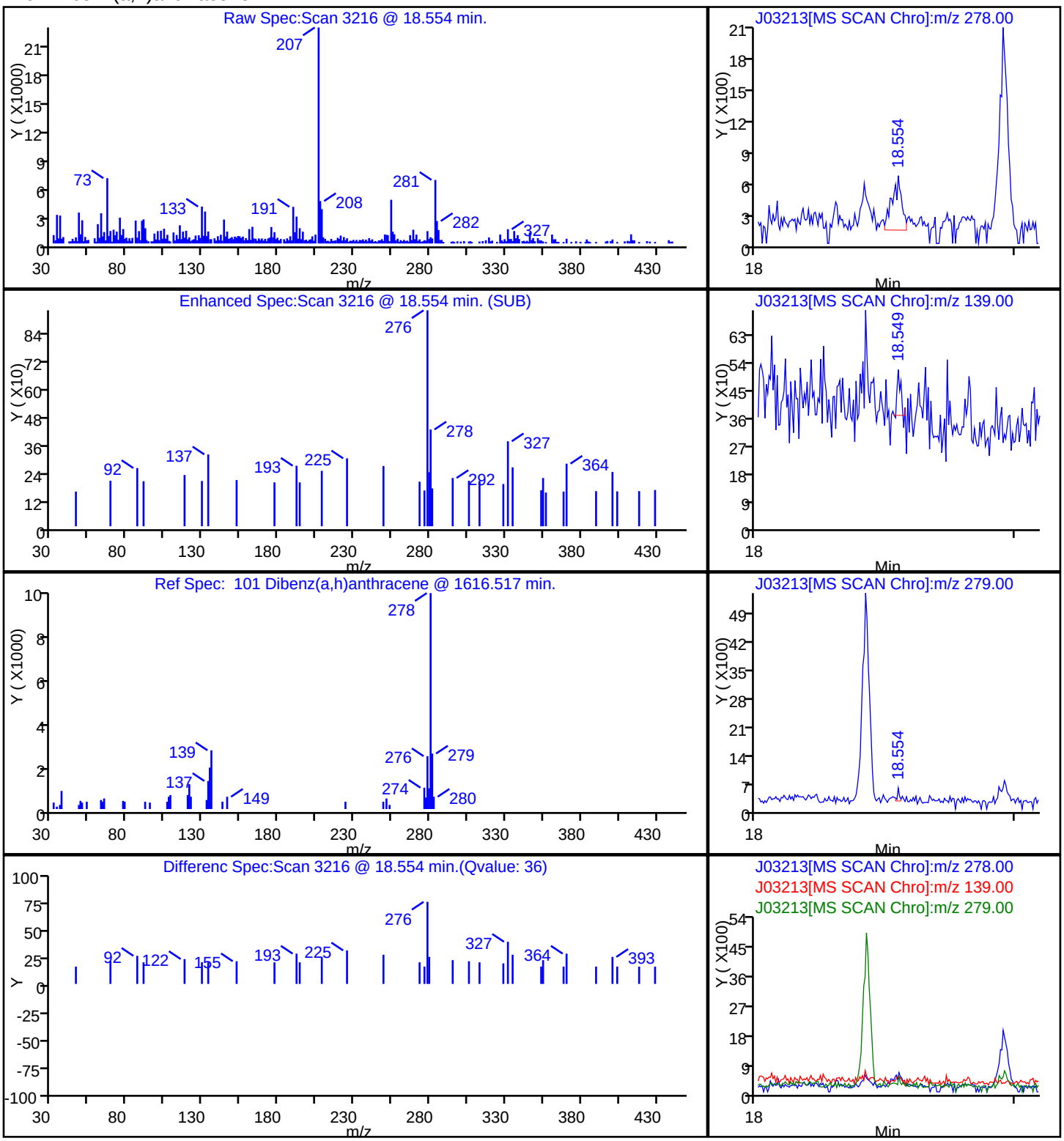
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D		
Inj Date:	29-Sep-2009 06:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	32
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-14-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:25:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D		
Inj Date:	29-Sep-2009 06:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	32
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-14-c 10X		
Sample Amount:	1.00 ul	Operator:	

101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 09:25:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

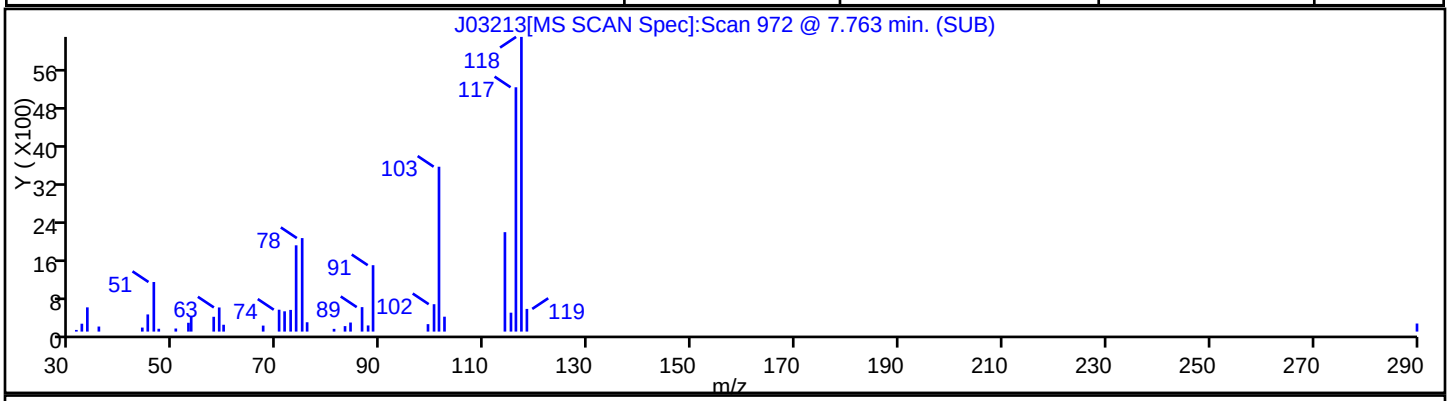
Lims Batch ID: 49648 Lims Sample ID: 32

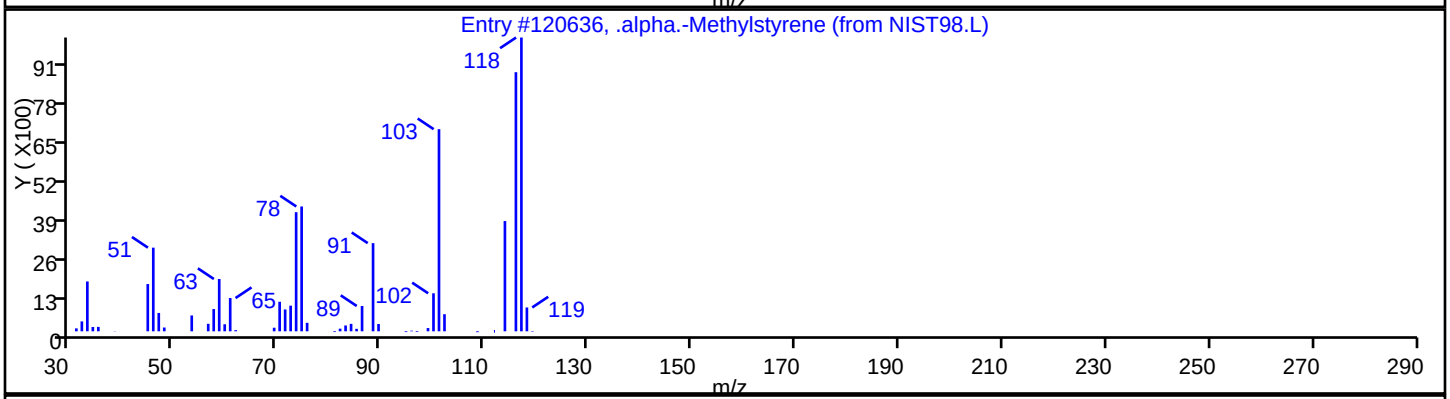
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

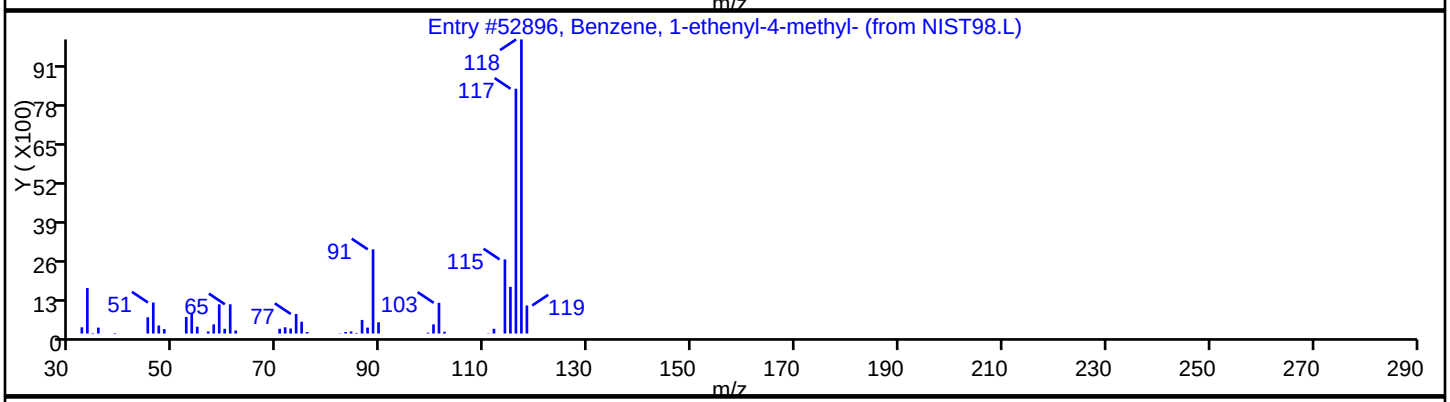
Sample Info: 360-24582-a-14-c 10X

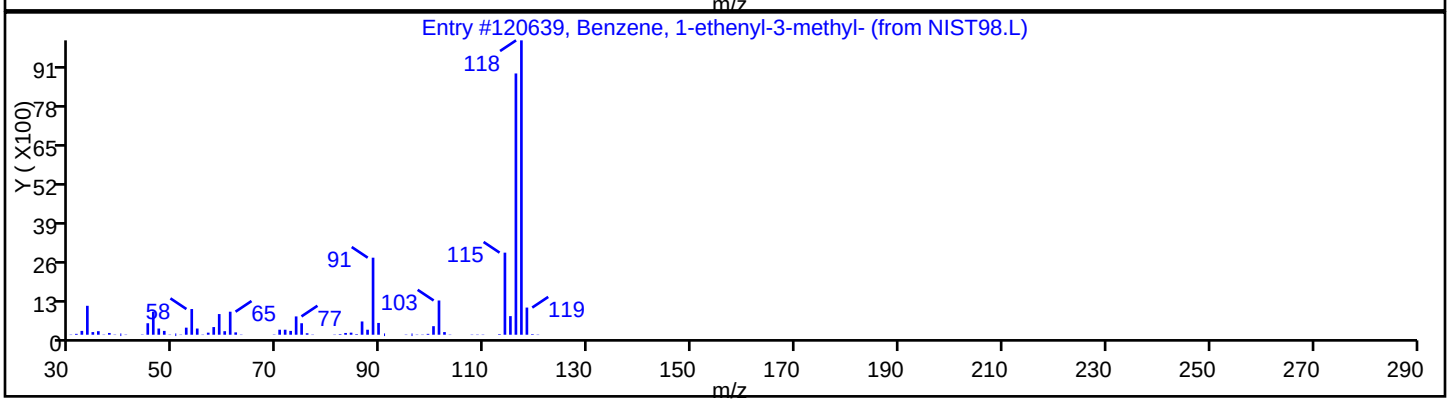
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
.alpha.-Methylstyrene	98-83-9	NIST98.L	120636	94
Benzene, 1-ethenyl-4-methyl-	622-97-9	NIST98.L	52896	53
Benzene, 1-ethenyl-3-methyl-	100-80-1	NIST98.L	120639	52









Report Date: 30-Sep-2009 09:25:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

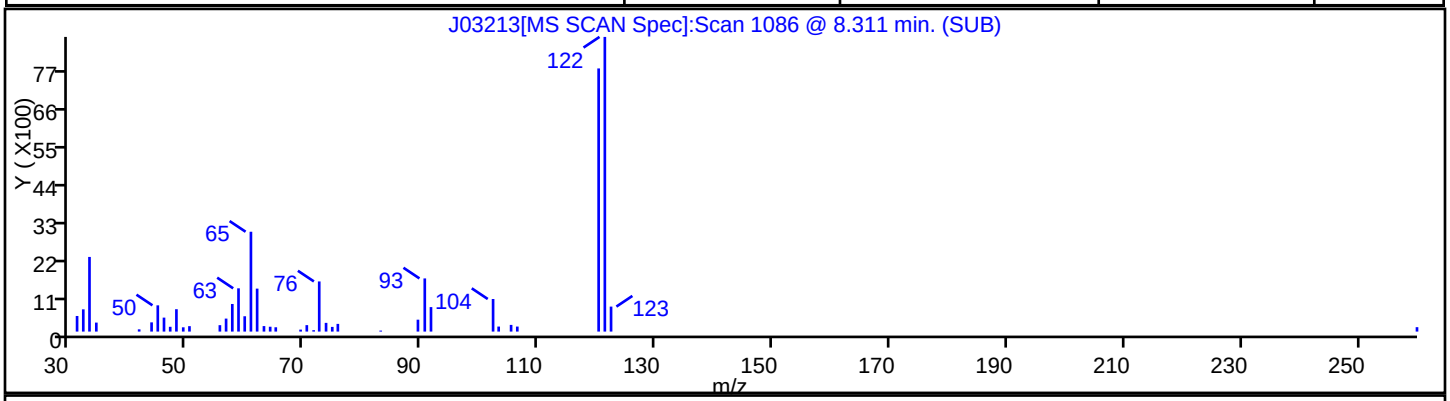
Lims Batch ID: 49648 Lims Sample ID: 32

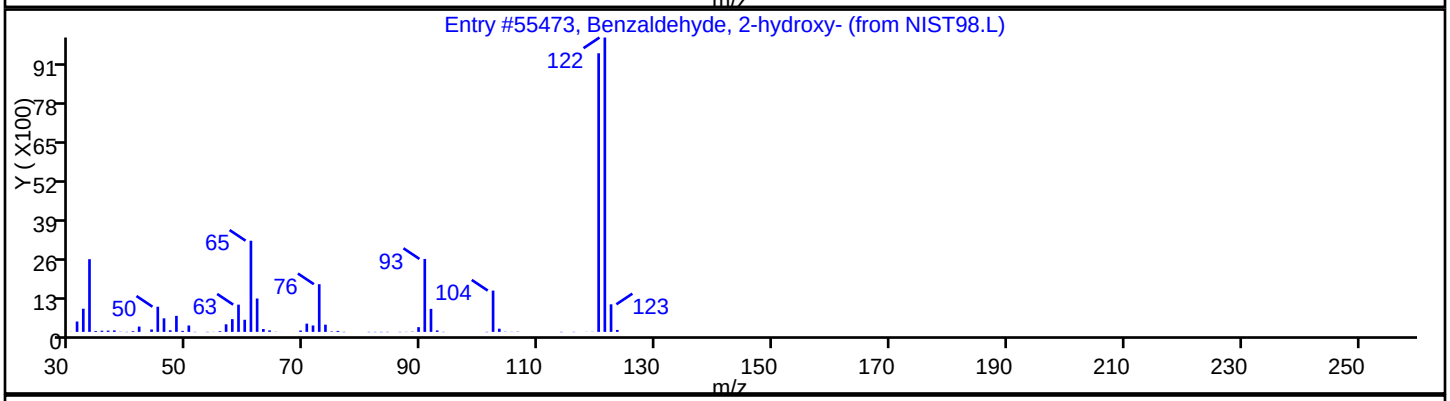
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

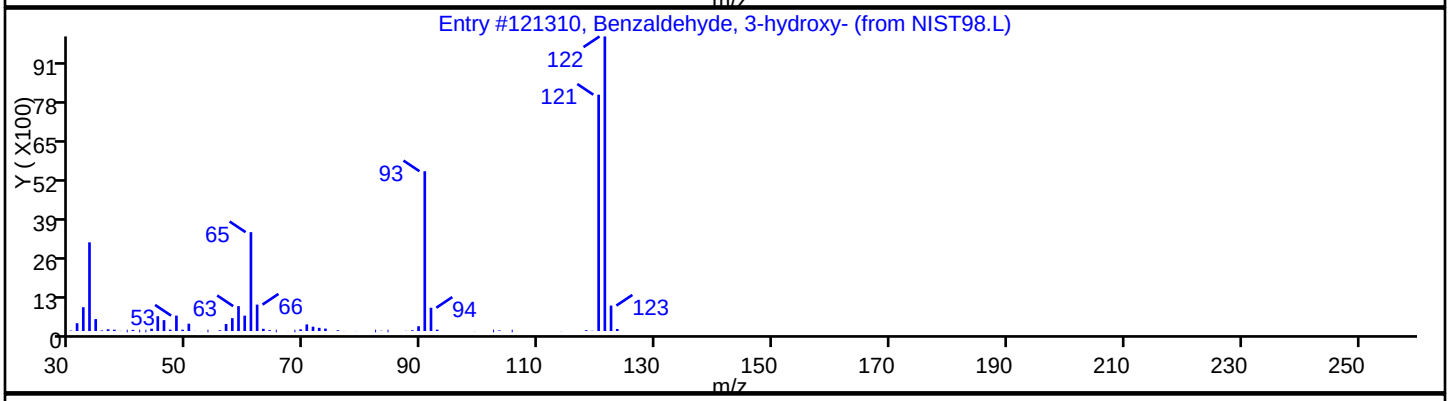
Sample Info: 360-24582-a-14-c 10X

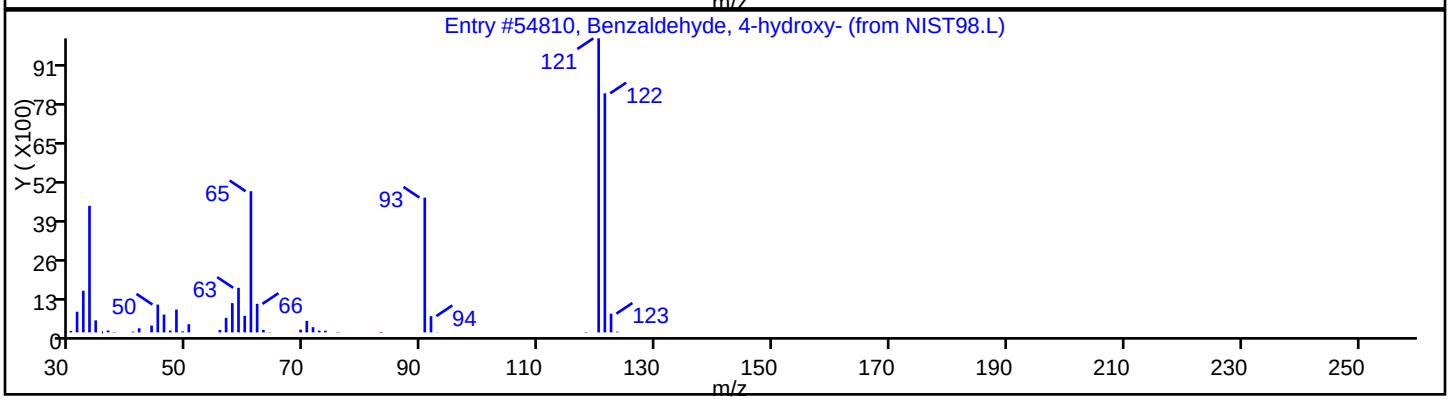
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzaldehyde, 2-hydroxy-	90-2-8	NIST98.L	55473	94
Benzaldehyde, 3-hydroxy-	100-83-4	NIST98.L	121310	93
Benzaldehyde, 4-hydroxy-	123-8-0	NIST98.L	54810	74









Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

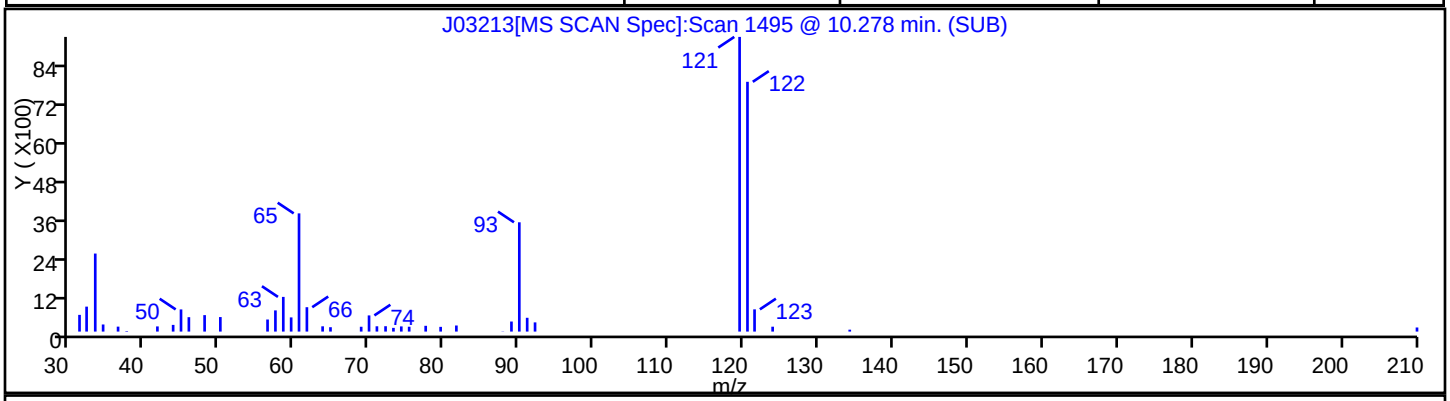
Lims Batch ID: 49648 Lims Sample ID: 32

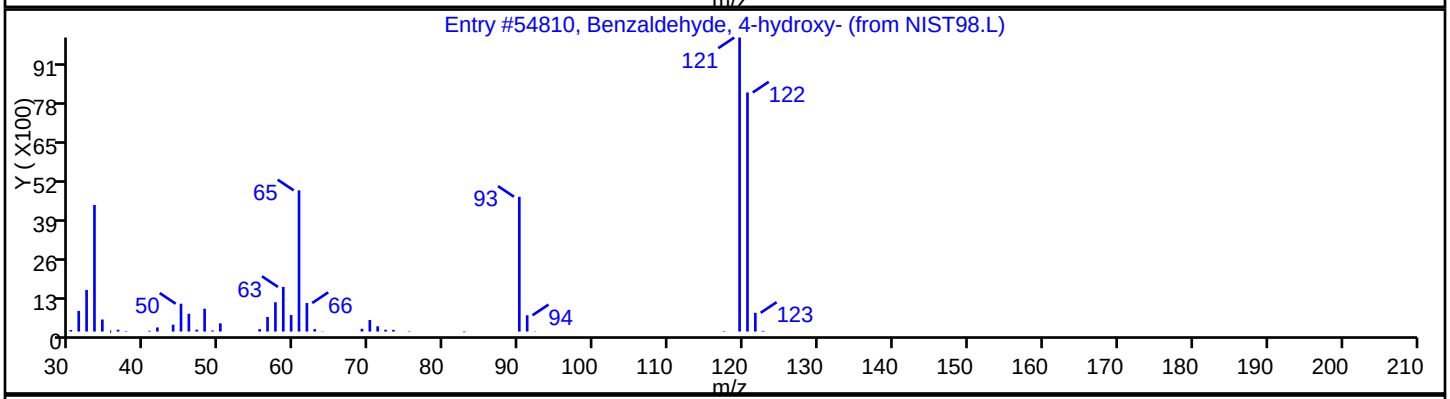
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

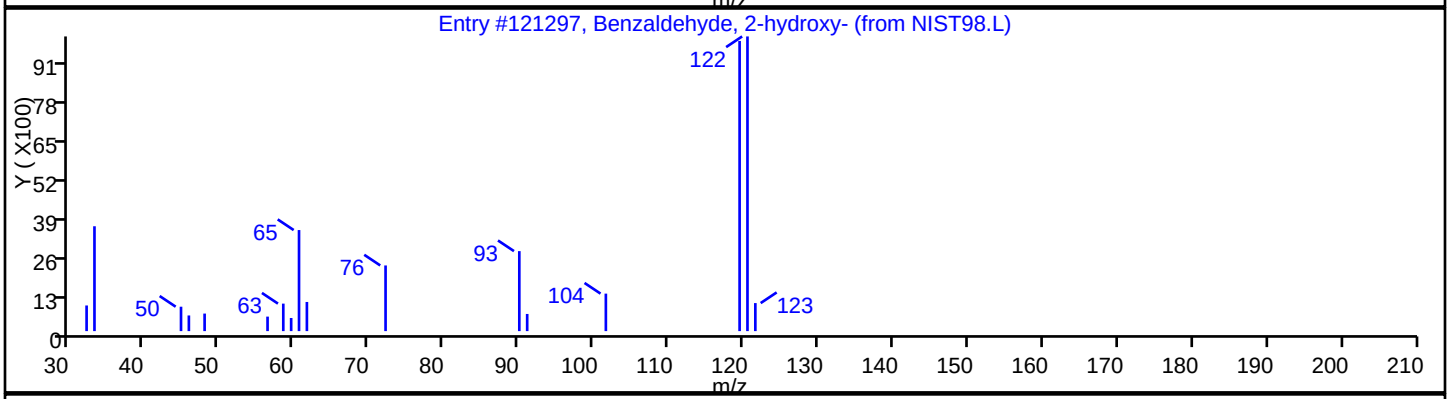
Sample Info: 360-24582-a-14-c 10X

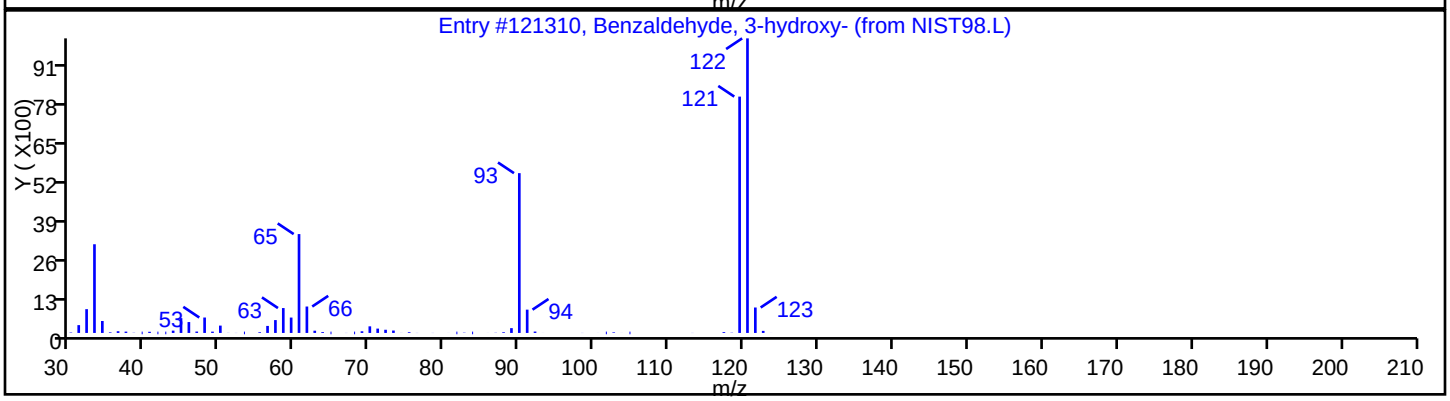
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzaldehyde, 4-hydroxy-	123-8-0	NIST98.L	54810	95
Benzaldehyde, 2-hydroxy-	90-2-8	NIST98.L	121297	94
Benzaldehyde, 3-hydroxy-	100-83-4	NIST98.L	121310	81









Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 32

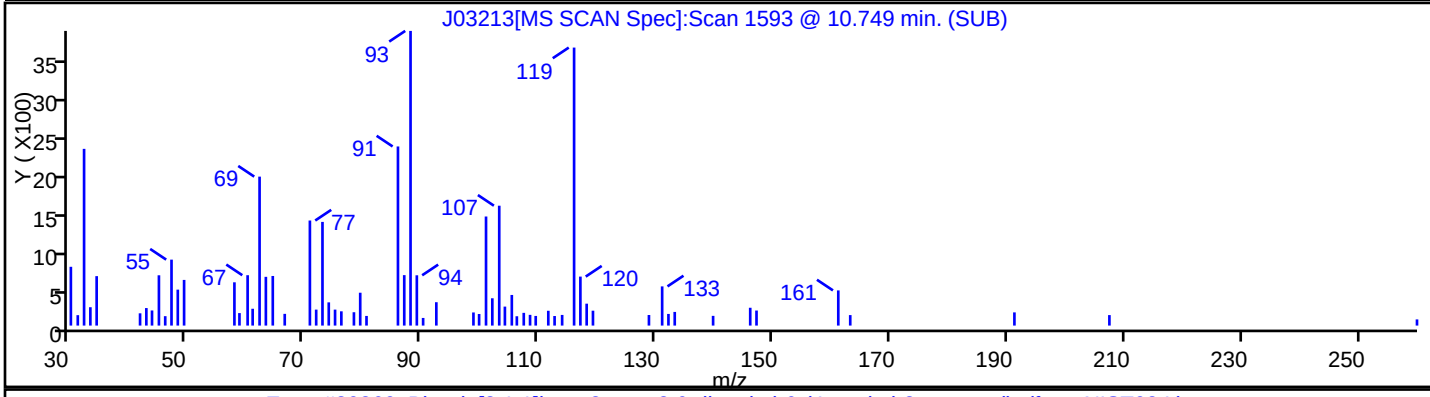
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-14-c 10X

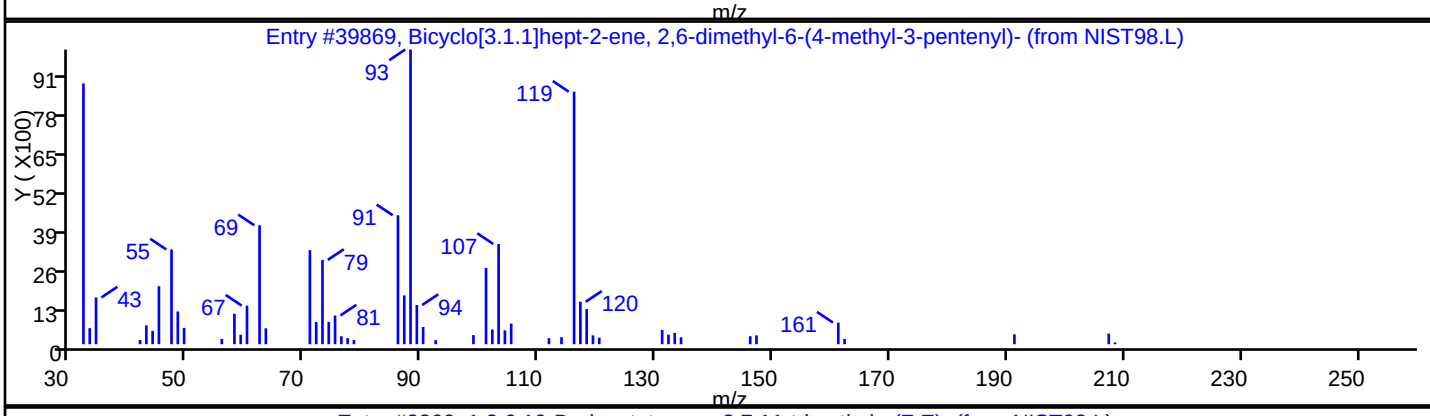
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6	17699-5-7	NIST98.L	39869	95
1,3,6,10-Dodecatetraene, 3,7,11-trimethy	26560-14-5	NIST98.L	2860	90
1H-3a,7-Methanoazulene, 2,3,4,7,8,8a-hex	469-61-4	NIST98.L	120767	64

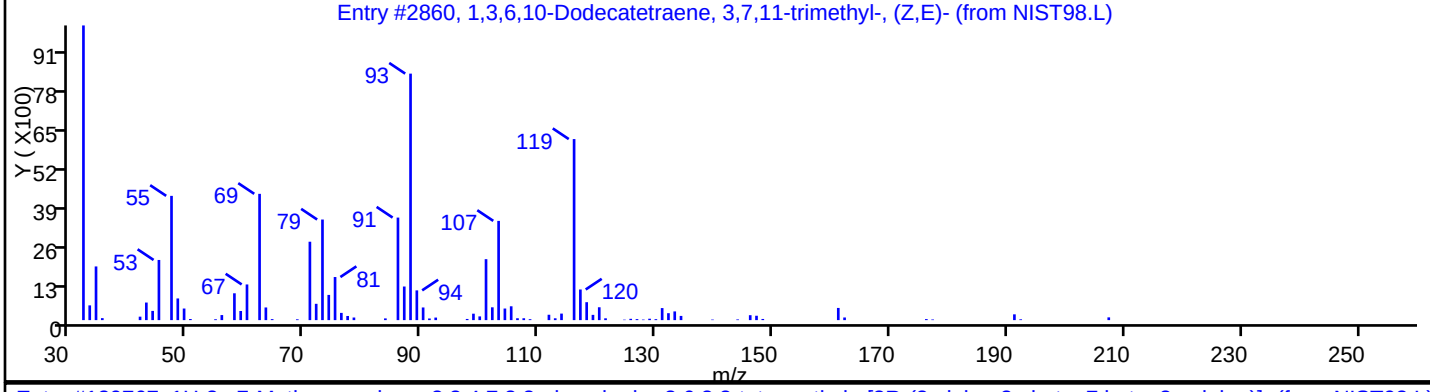
J03213[MS SCAN Spec]:Scan 1593 @ 10.749 min. (SUB)



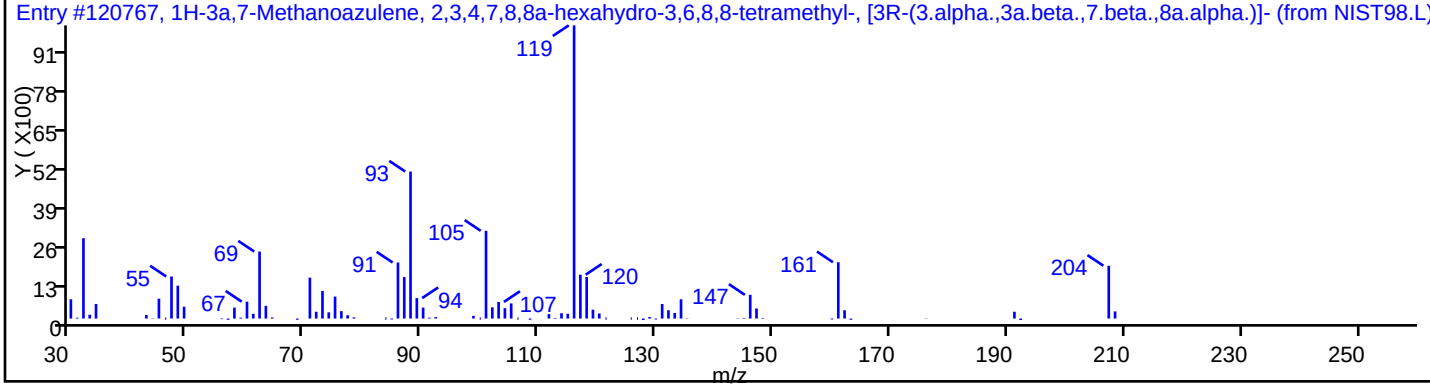
Entry #39869, Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6-(4-methyl-3-pentenyl)- (from NIST98.L)



Entry #2860, 1,3,6,10-Dodecatetraene, 3,7,11-trimethyl-, (Z,E)- (from NIST98.L)



Entry #120767, 1H-3a,7-Methanoazulene, 2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, [3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]- (from NIST98.L)



Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

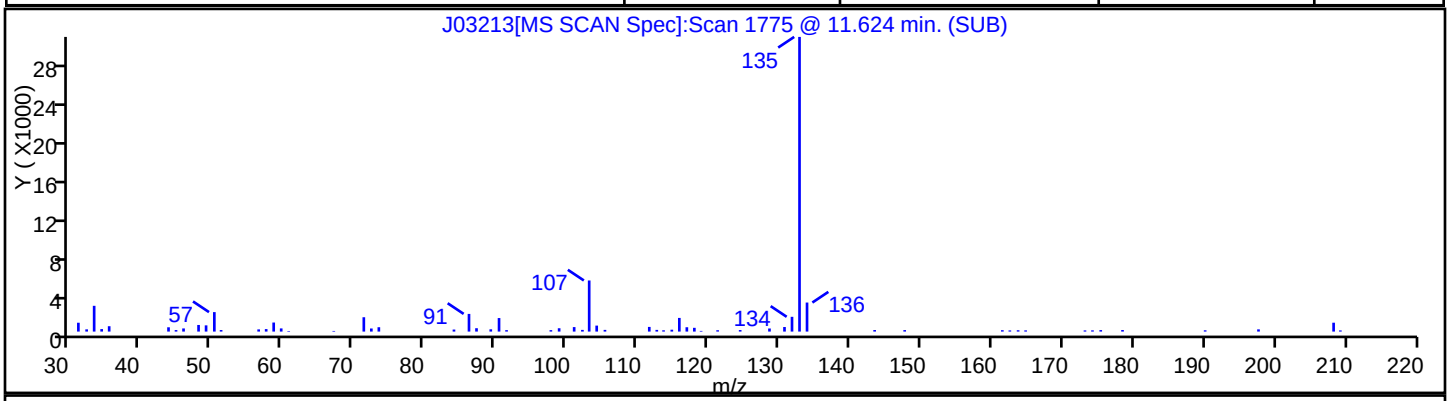
Lims Batch ID: 49648 Lims Sample ID: 32

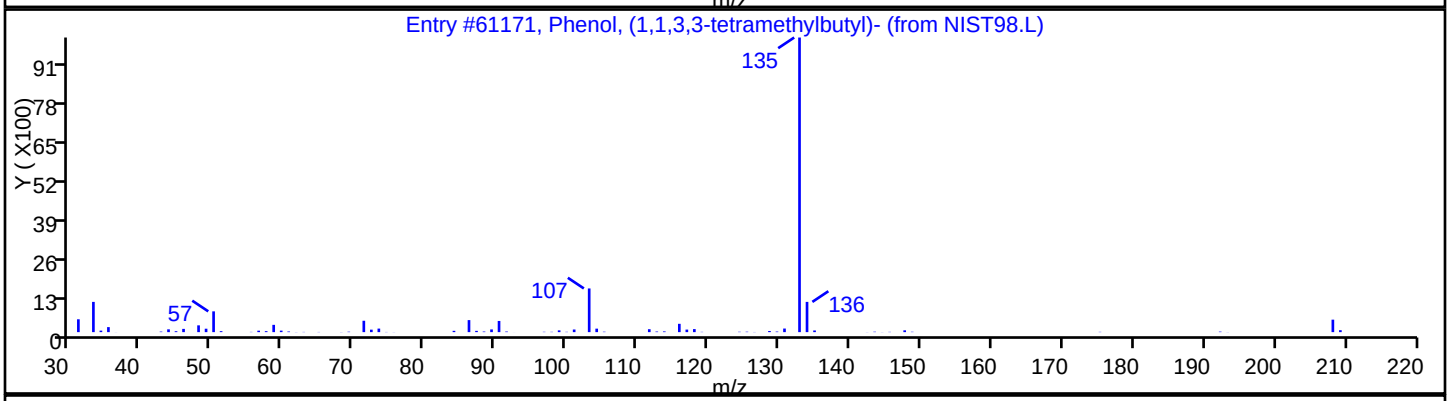
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

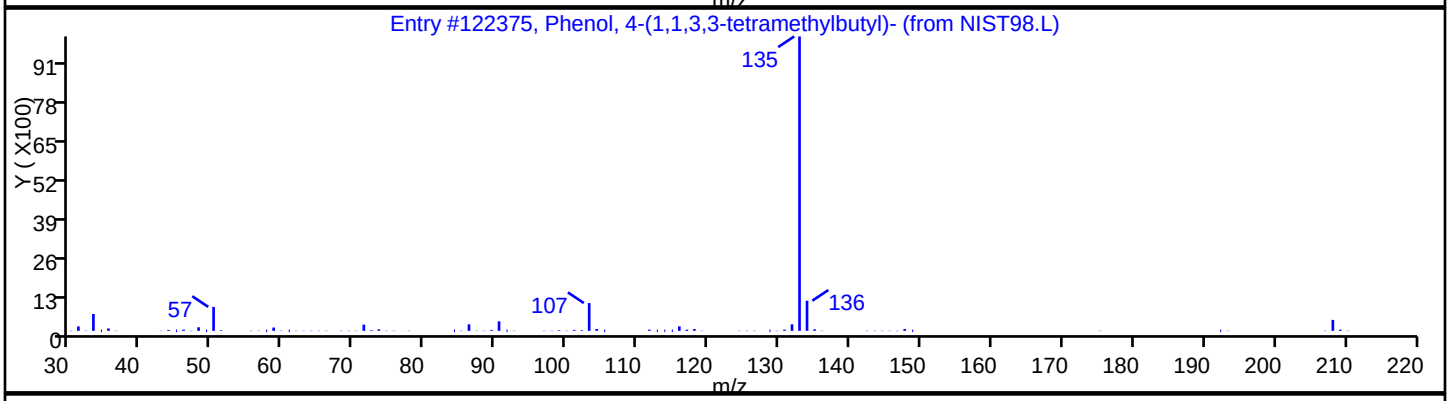
Sample Info: 360-24582-a-14-c 10X

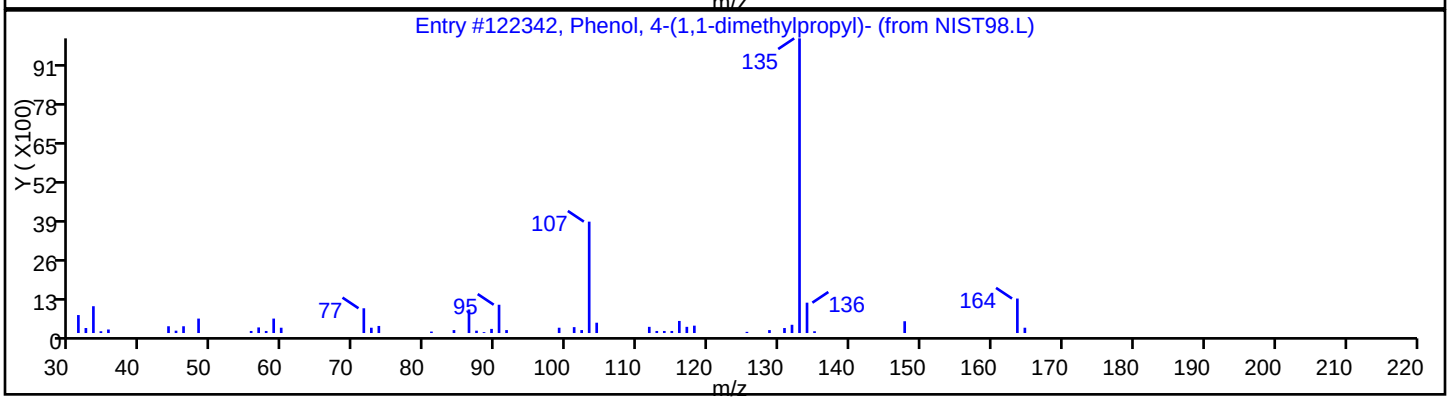
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	93
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	122375	78
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	NIST98.L	122342	64





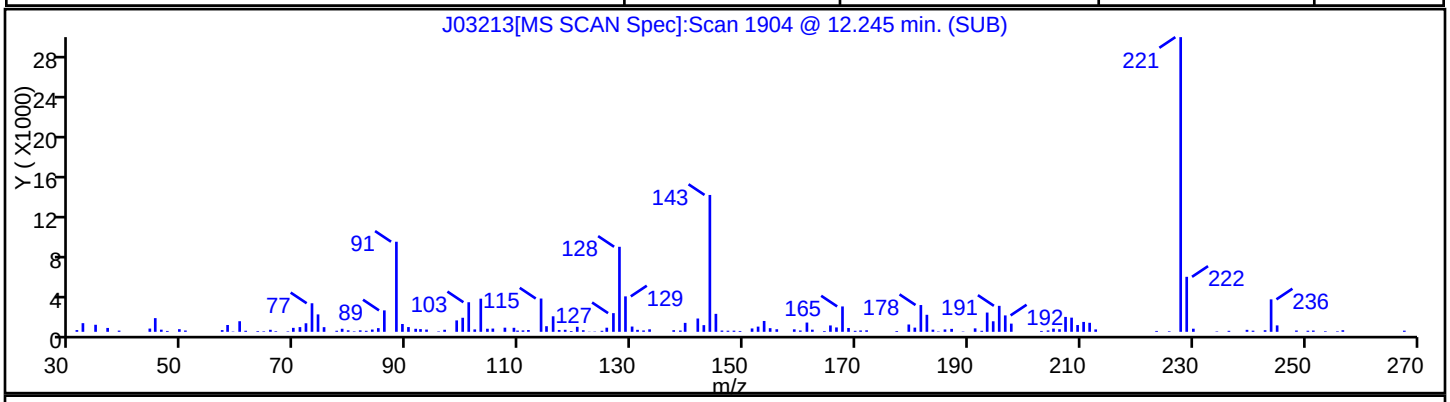


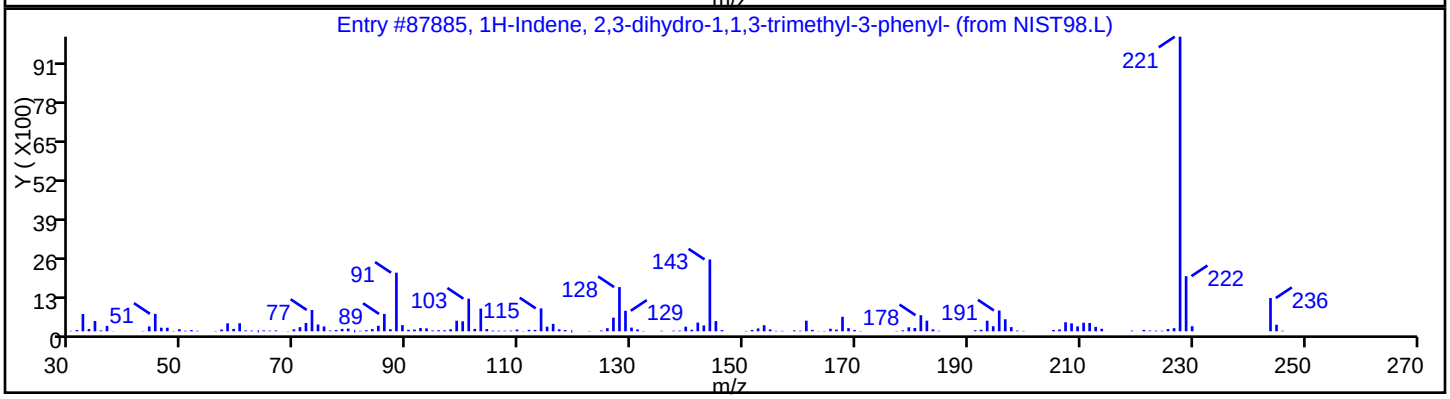


Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D		
Inj Date:	29-Sep-2009 06:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	32
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-14-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	98





Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

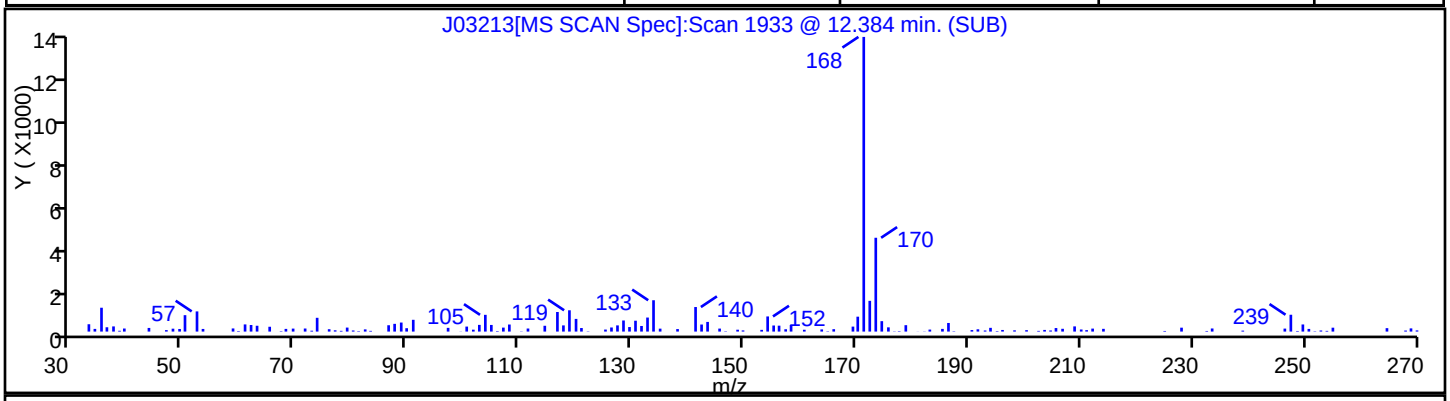
Lims Batch ID: 49648 Lims Sample ID: 32

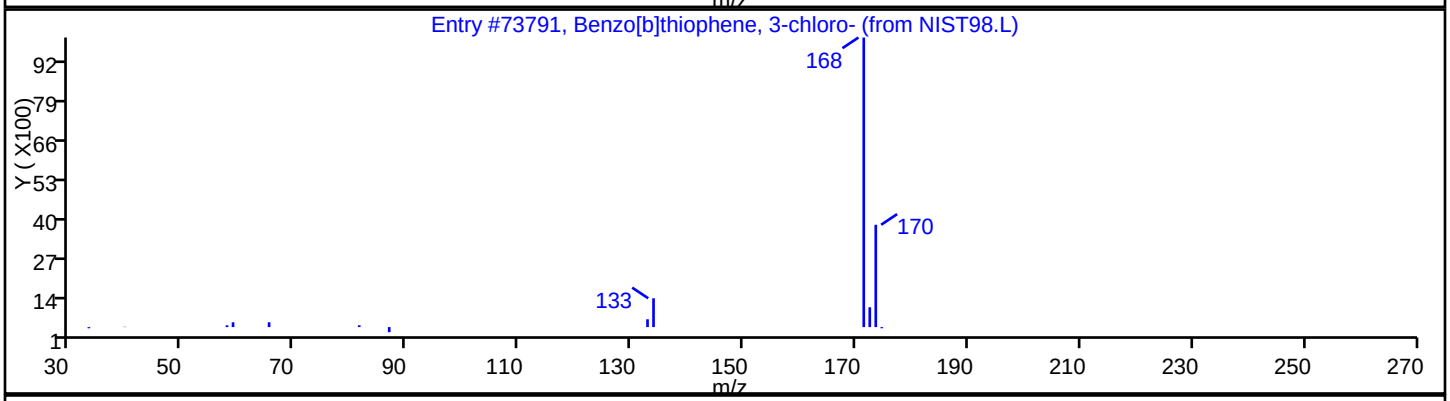
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

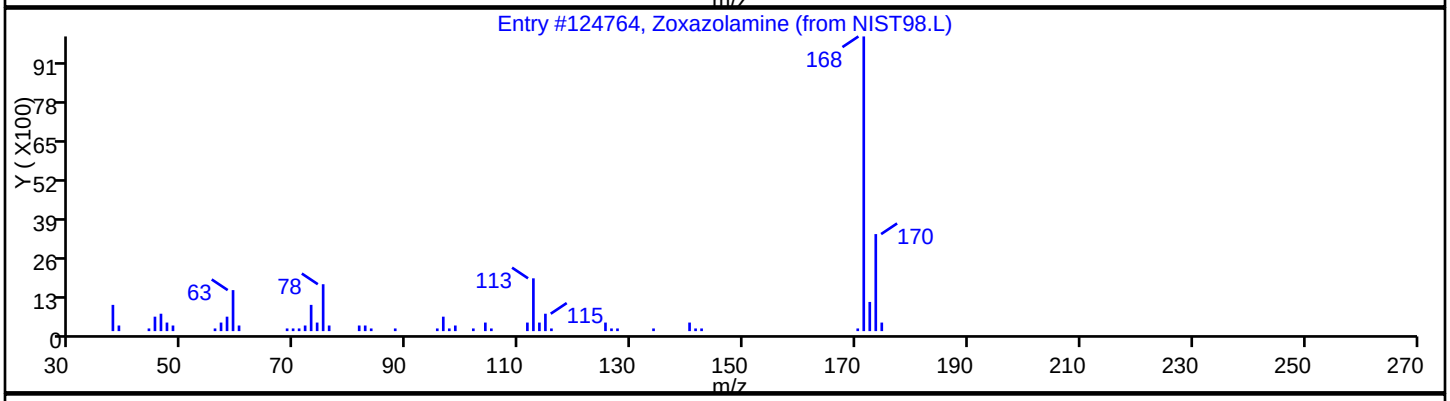
Sample Info: 360-24582-a-14-c 10X

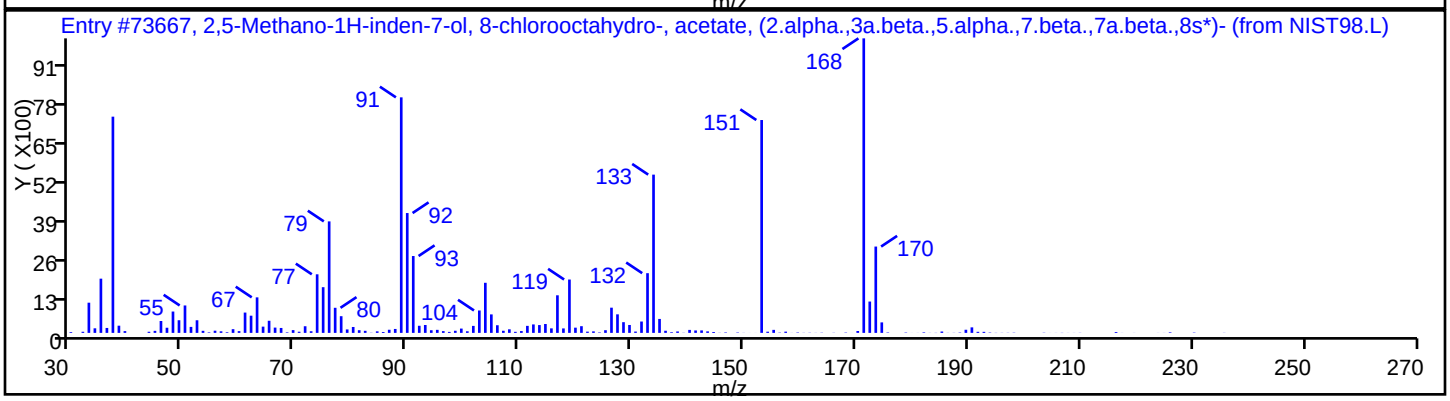
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[b]thiophene, 3-chloro-	7342-86-1	NIST98.L	73791	86
Zoxazolamine	61-80-3	NIST98.L	124764	64
2,5-Methano-1H-inden-7-ol, 8-chlorooctah	58594-29-9	NIST98.L	73667	64









Report Date: 30-Sep-2009 09:25:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03213.D

Inj Date: 29-Sep-2009 06:33:30 Limit Group: SMS - 8270LL SVOA Calibration

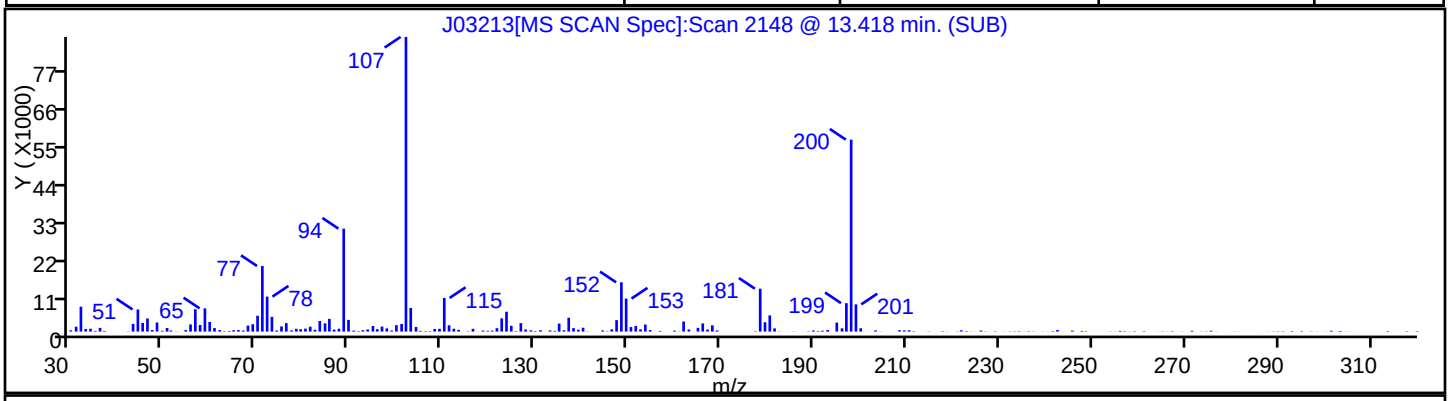
Lims Batch ID: 49648 Lims Sample ID: 32

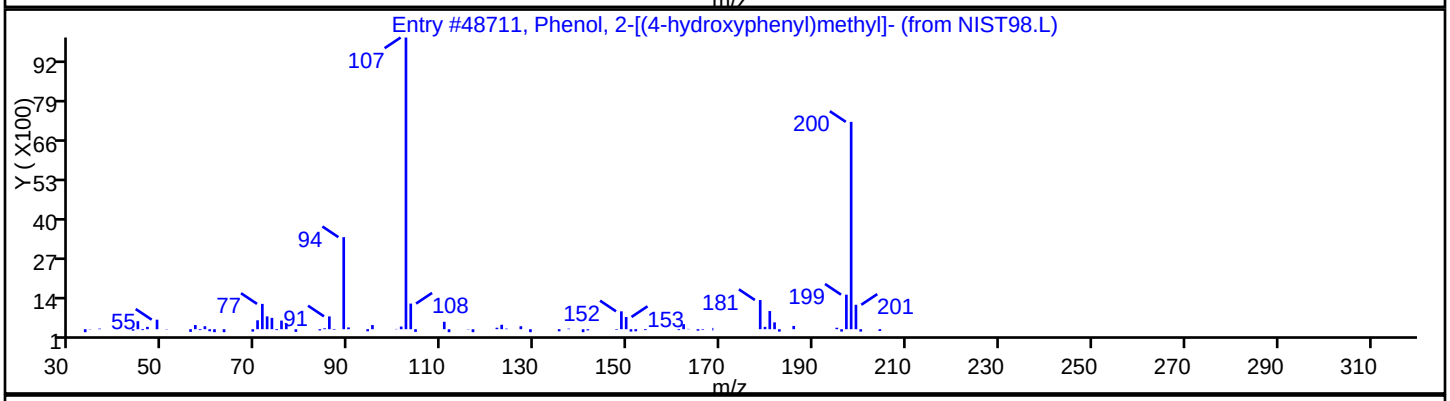
Client ID: OC-SS-409-0.0/1.0-XXX Instrument: Inst. J

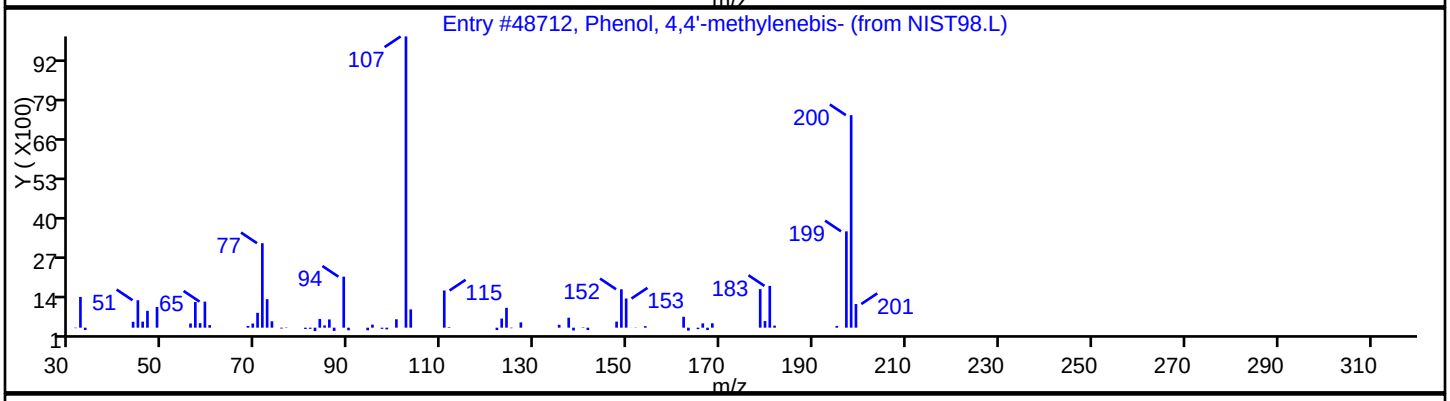
Sample Info: 360-24582-a-14-c 10X

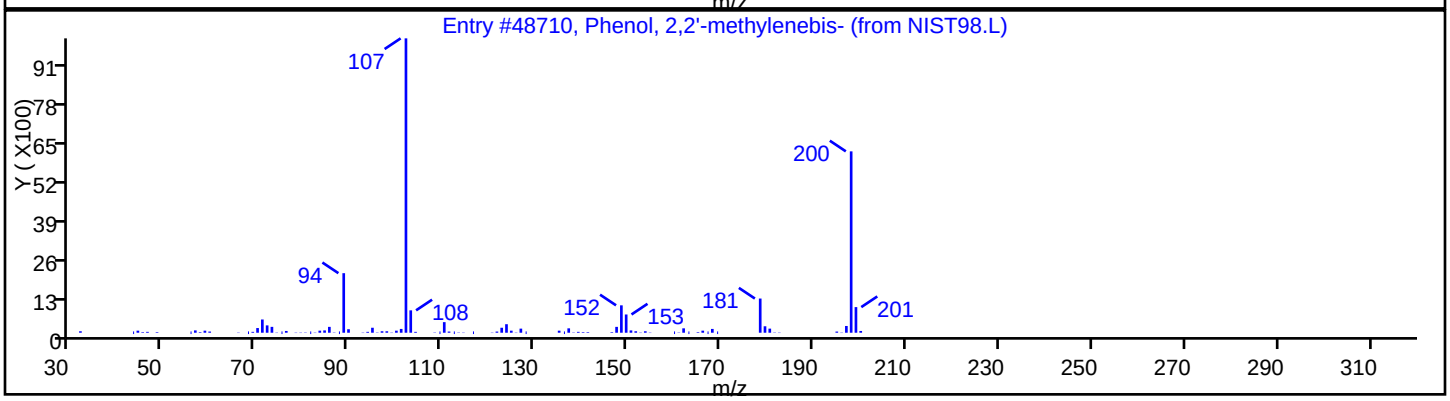
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2-[(4-hydroxyphenyl)methyl]-	2467-3-0	NIST98.L	48711	91
Phenol, 4,4'-methylenebis-	620-92-8	NIST98.L	48712	87
Phenol, 2,2'-methylenebis-	2467-2-9	NIST98.L	48710	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: J03214.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.21(g) | Date Analyzed: 09/29/2009 07:06

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 58.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		4000	1200
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		4000	1200
120-82-1	1,2,4-Trichlorobenzene	ND		4000	1200
95-50-1	1,2-Dichlorobenzene	ND		4000	1200
541-73-1	1,3-Dichlorobenzene	ND		4000	1200
106-46-7	1,4-Dichlorobenzene	ND		4000	1200
90-12-0	1-Methylnaphthalene	ND		4000	1200
108-60-1	2,2'-oxybis[1-chloropropane]	ND		4000	1200
58-90-2	2,3,4,6-Tetrachlorophenol	ND		4000	1200
95-95-4	2,4,5-Trichlorophenol	ND		4000	1200
88-06-2	2,4,6-Trichlorophenol	ND		4000	1200
120-83-2	2,4-Dichlorophenol	ND	*	4000	1200
105-67-9	2,4-Dimethylphenol	ND		4000	1600
51-28-5	2,4-Dinitrophenol	ND		4000	1200
121-14-2	2,4-Dinitrotoluene	ND		4000	1200
606-20-2	2,6-Dinitrotoluene	ND		4000	1200
91-58-7	2-Chloronaphthalene	ND		4000	1200
95-57-8	2-Chlorophenol	ND		4000	1200
91-57-6	2-Methylnaphthalene	ND		4000	1200
95-48-7	2-Methylphenol	ND		4000	2400
88-74-4	2-Nitroaniline	ND		20000	1200
88-75-5	2-Nitrophenol	ND		4000	1200
15831-10-4	3 & 4 Methylphenol	ND		4000	1200
91-94-1	3,3'-Dichlorobenzidine	ND		8100	1200
99-09-2	3-Nitroaniline	ND		20000	1200
534-52-1	4,6-Dinitro-2-methylphenol	ND		20000	1200
101-55-3	4-Bromophenyl phenyl ether	ND		4000	1200
59-50-7	4-Chloro-3-methylphenol	ND		8100	1200
106-47-8	4-Chloroaniline	ND		8100	1200
7005-72-3	4-Chlorophenyl phenyl ether	ND		4000	1200
100-01-6	4-Nitroaniline	ND		20000	1200
100-02-7	4-Nitrophenol	ND		20000	1200
83-32-9	Acenaphthene	ND		4000	1200
208-96-8	Acenaphthylene	ND		4000	1200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: J03214.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.21(g) | Date Analyzed: 09/29/2009 07:06

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 58.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		4000	1200
62-53-3	Aniline	ND	*	4000	1200
120-12-7	Anthracene	ND		4000	1200
1912-24-9	Atrazine	ND		4000	1200
103-33-3	Azobenzene	ND		4000	1200
100-52-7	Benzaldehyde	ND		4000	1200
56-55-3	Benzo[a]anthracene	ND		4000	1200
50-32-8	Benzo[a]pyrene	ND		4000	1200
205-99-2	Benzo[b]fluoranthene	ND		4000	1200
191-24-2	Benzo[g,h,i]perylene	ND		4000	1200
207-08-9	Benzo[k]fluoranthene	ND		4000	1200
65-85-0	Benzoic acid	5500	J B	20000	1800
119-61-9	Benzophenone	ND		4000	1200
100-51-6	Benzyl alcohol	ND		8100	3400
111-91-1	Bis(2-chloroethoxy)methane	ND		4000	1200
111-44-4	Bis(2-chloroethyl)ether	ND		4000	1200
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4000	1200
85-68-7	Butyl benzyl phthalate	ND		4000	1200
105-60-2	Caprolactam	ND		4000	1200
86-74-8	Carbazole	ND		4000	1200
218-01-9	Chrysene	ND		4000	1200
53-70-3	Dibenz(a,h)anthracene	ND		4000	1200
132-64-9	Dibenzofuran	ND		4000	1200
84-66-2	Diethyl phthalate	ND		4000	1200
131-11-3	Dimethyl phthalate	ND		4000	1200
84-74-2	Di-n-butyl phthalate	ND		4000	3500
117-84-0	Di-n-octyl phthalate	ND		4000	2000
101-84-8	Diphenyl oxide	ND		4000	1200
206-44-0	Fluoranthene	ND		4000	1200
86-73-7	Fluorene	ND		4000	1200
118-74-1	Hexachlorobenzene	ND		4000	1200
87-68-3	Hexachlorobutadiene	ND		4000	1200
77-47-4	Hexachlorocyclopentadiene	ND		8100	1200
67-72-1	Hexachloroethane	ND		4000	1200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: J03214.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.21(g) | Date Analyzed: 09/29/2009 07:06

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 58.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	4000	1200
78-59-1	Isophorone	ND		4000	1200
91-20-3	Naphthalene	ND		9700	1200
98-95-3	Nitrobenzene	ND		4000	1200
62-75-9	N-Nitrosodimethylamine	ND		4000	1400
621-64-7	N-Nitrosodi-n-propylamine	ND		4000	1200
86-30-6	N-Nitrosodiphenylamine	ND		4000	1200
87-86-5	Pentachlorophenol	ND		4000	1200
85-01-8	Phenanthrene	ND		4800	1200
108-95-2	Phenol	ND		4000	1200
129-00-0	Pyrene	ND		4000	1200

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	83	30-130	
321-60-8	2-Fluorobiphenyl	49	30-130	
367-12-4	2-Fluorophenol	46	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	42	30-130	
1718-51-0	Terphenyl-d14	64	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-411-0.0/1.0-XXX | Lab Sample ID: 360-24582-16

Matrix: Solid | Lab File ID: J03214.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 10:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.21(g) | Date Analyzed: 09/29/2009 07:06

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 58.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 181200

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-1-1	Furfural	6.19	9300	T J N
1599-67-3	1-Docosene	15.02	20000	T J N
297-3-0	Cyclotetracosane	15.72	29000	T J N
56554-89-3	14-Octadecenal	16.18	6900	T J N
630-3-5	Nonacosane	16.34	21000	T J N
1599-67-3	1-Docosene	16.40	21000	T J N
7796-19-2	2-Heptacosanone	16.45	18000	T J N
22513-81-1	1,22-Docosanediol	16.92	15000	T J N
630-4-6	Hentriacontane	17.09	21000	T J N
17600-99-6	2-Nonacosanone	17.25	20000	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D		
Lims ID:	360-24582-A-16-C	Client ID:	OC-SS-411-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 07:06:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-16-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49648	Lims Sample ID:	33
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:28:12	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:28:12

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	60349	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	151301	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	79942	2.00	
* 4 Phenanthrene-d10	188	12.620	12.619	0.001	130091	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	69750	2.00	
* 6 Perylene-d12	264	17.020	17.014	0.006	47923	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	1657	0.0928	
$ 8 Phenol-d5	99	7.686	7.680	0.006	1761	0.0834	
$ 9 Nitrobenzene-d5	82	8.643	8.637	0.006	1371	0.0645	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	2283	0.0494	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	423	0.1656	
$ 12 Terphenyl-d14	244	14.197	14.201	-0.004	1598	0.0637	
17 Benzaldehyde	105	7.599	7.599	0.000	2369	0.2149	
18 Phenol	94	7.700	7.695	0.005	751	0.0331	
30 Acetophenone	105	8.470	8.469	0.001	3256	0.1316	
36 Benzoic acid	105	9.023	9.037	-0.013	2835	1.37	
41 Naphthalene	128	9.369	9.368	0.001	2492	0.0411	
46 2-Methylnaphthalene	142	10.056	10.056	0.000	520	0.0131	
47 1-Methylnaphthalene	142	10.167	10.171	-0.004	626	0.0162	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	600	0.0123	
80 Phenanthrene	178	12.644	12.643	0.001	2772	0.0516	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	1682	0.0248	
87 Fluoranthene	202	13.851	13.850	0.001	2398	0.0446	
85 Pyrene	202	14.091	14.091	0.000	1728	0.0421	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	6817	0.2750	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D		
Lims ID:	360-24582-A-16-C	Client ID:	OC-SS-411-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 07:06:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-16-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49648	Lims Sample ID:	33
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:28:12	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:28:12

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.903	84	0.8842	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
141-79-7 3-Penten-2-one, 4-methyl-						
5.690	90443	0.7420	1	90	33008	
98-1-1 Furfural						
6.190	280924	2.30	1	94	41824	
6765-39-5 1-Heptadecene						
13.552	222121	1.35	4	98	118308	
1000155-85-0 Bicyclo[10.8.0]eicosane, (E)-						
14.798	86948	0.6722	5	94	2123	
638-36-8 Hexadecane, 2,6,10,14-tetramethyl-						
14.995	97185	0.7514	5	95	112575	
1599-67-3 1-Docosene						
15.024	638720	4.94	5	91	111438	
638-66-4 Octadecanal						
15.505	116714	0.9023	5	98	4350	
544-76-3 Hexadecane						
15.673	197579	1.53	5	96	112410	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
297-3-0 Cyclotetracosane						
15.721	919936	7.11	5	96	33283	
544-76-3 Hexadecane						
16.005	117542	0.9087	5	97	112410	
1000131-11-8 Z-5-Nonadecene						
16.063	110140	0.8515	5	90	13523	
56554-89-3 14-Octadecenal						
16.183	222507	1.72	5	91	32421	
630-3-5 Nonacosane						
16.337	427938	5.32	6	96	112560	
1599-67-3 1-Docosene						
16.404	424591	5.27	6	98	111438	
7796-19-2 2-Heptacosanone						
16.452	357976	4.45	6	95	19603	
18633-25-5 Oxirane, tridecyl-						
16.534	105608	1.31	6	93	1806	
22513-81-1 1,22-Docosanediol						
16.919	290770	3.61	6	90	116346	
630-4-6 Hentriacontane						
17.092	425067	5.28	6	96	112561	
17600-99-6 2-Nonacosanone						
17.250	394054	4.90	6	95	19604	

Quantitation Compounds

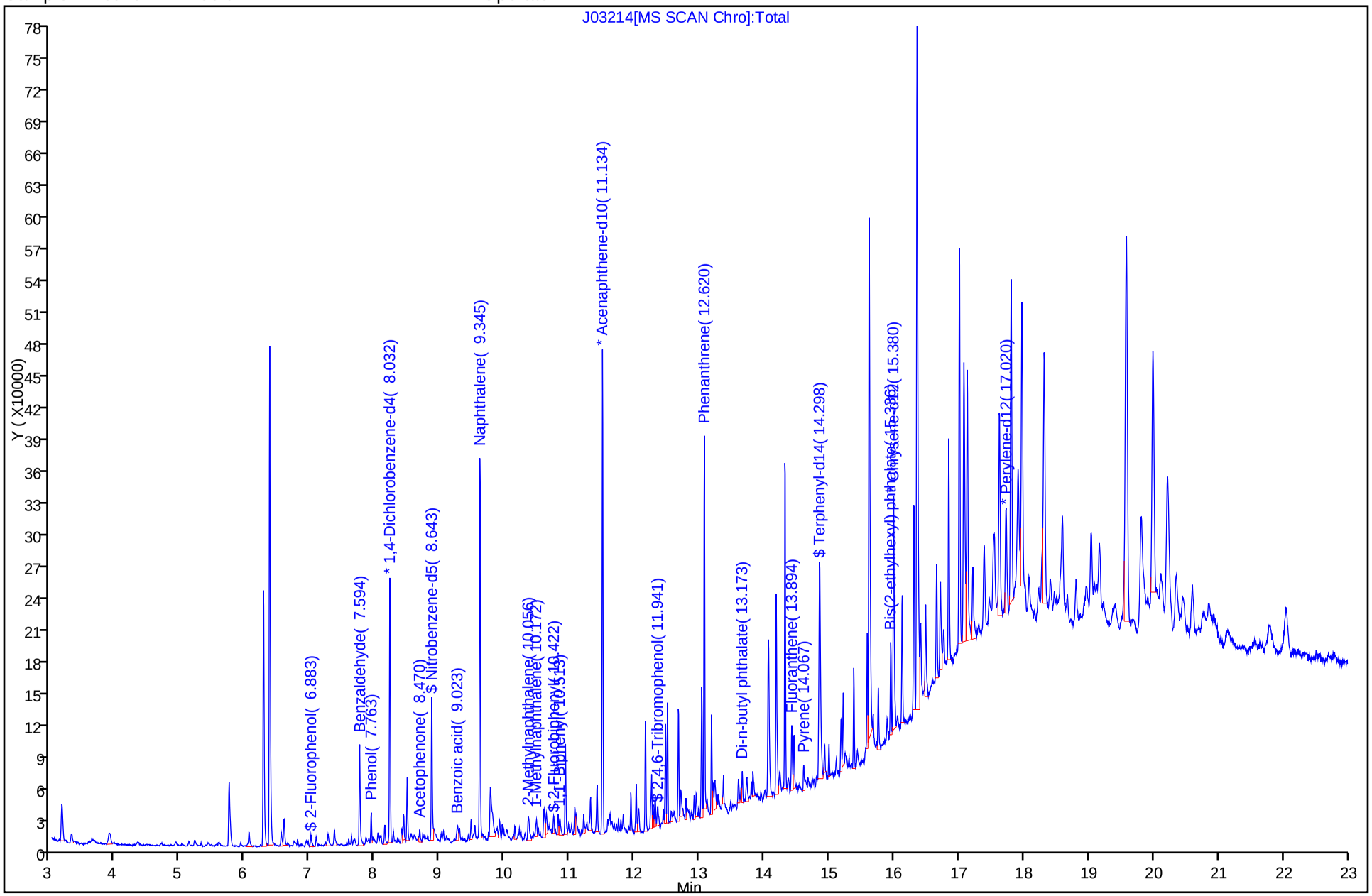
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.032	243796	2.00
* 4 Phenanthrene-d10	12.620	329018	2.00
* 5 Chrysene-d12	15.380	258692	2.00
* 6 Perylene-d12	17.020	160990	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:28:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

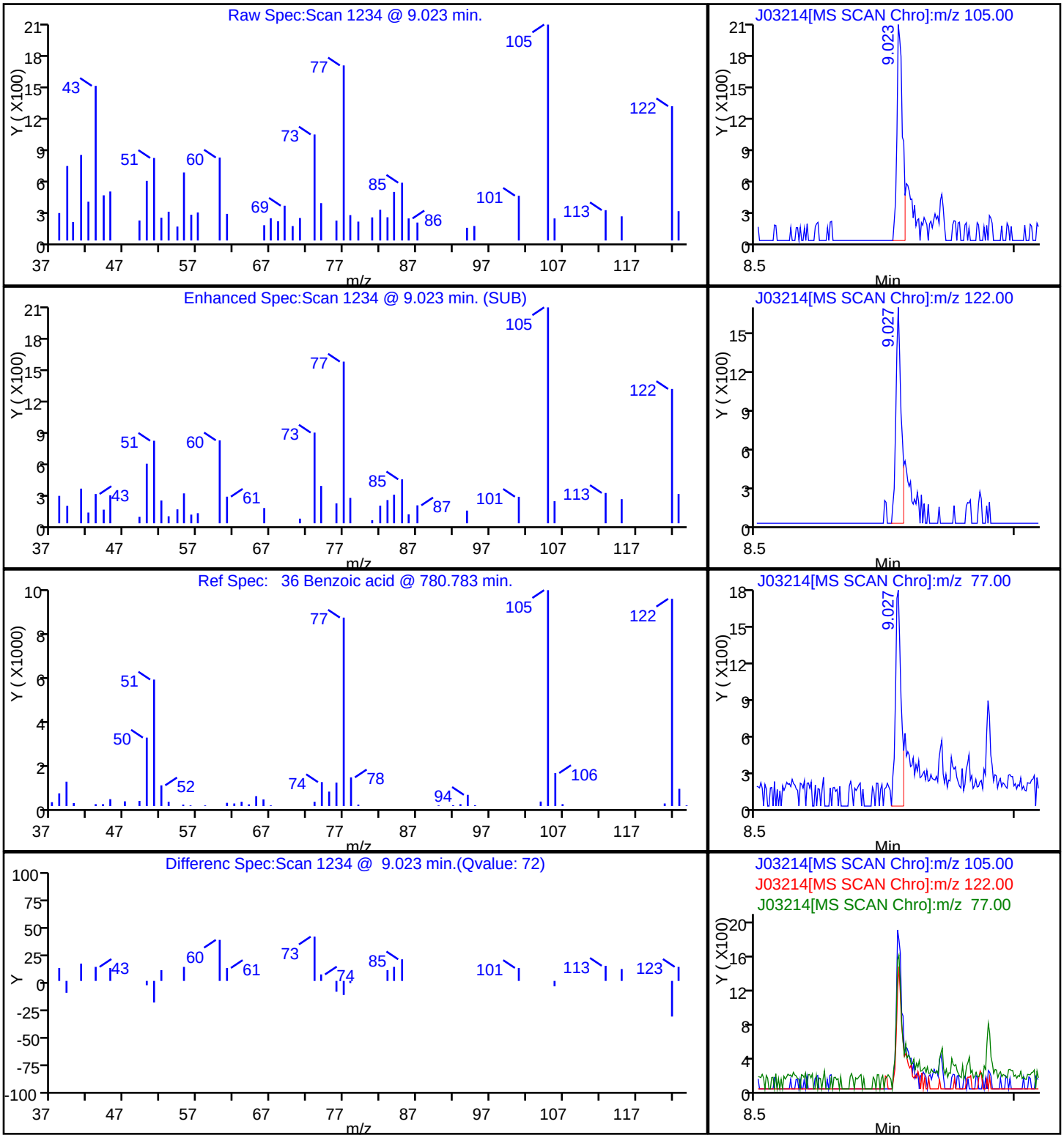
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D		
Inj Date:	29-Sep-2009 07:06:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	33
Client ID:	OC-SS-411-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-16-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:28:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D		
Inj Date:	29-Sep-2009 07:06:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	33
Client ID:	OC-SS-411-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-16-c 10X		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid



Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

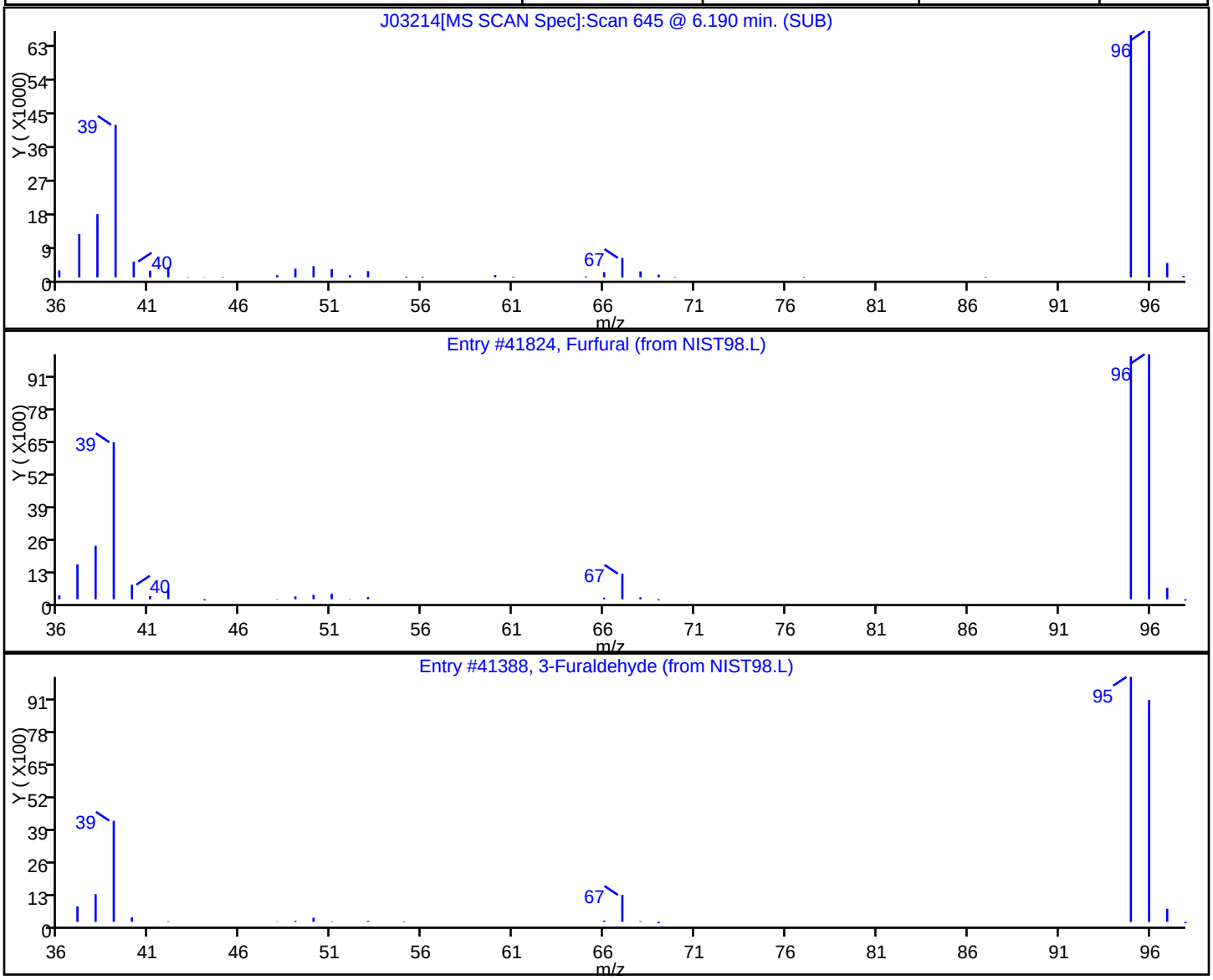
Lims Batch ID: 49648 Lims Sample ID: 33

Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-16-c 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Furfural	98-1-1	NIST98.L	41824	94
3-Furaldehyde	498-60-2	NIST98.L	41388	91



Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

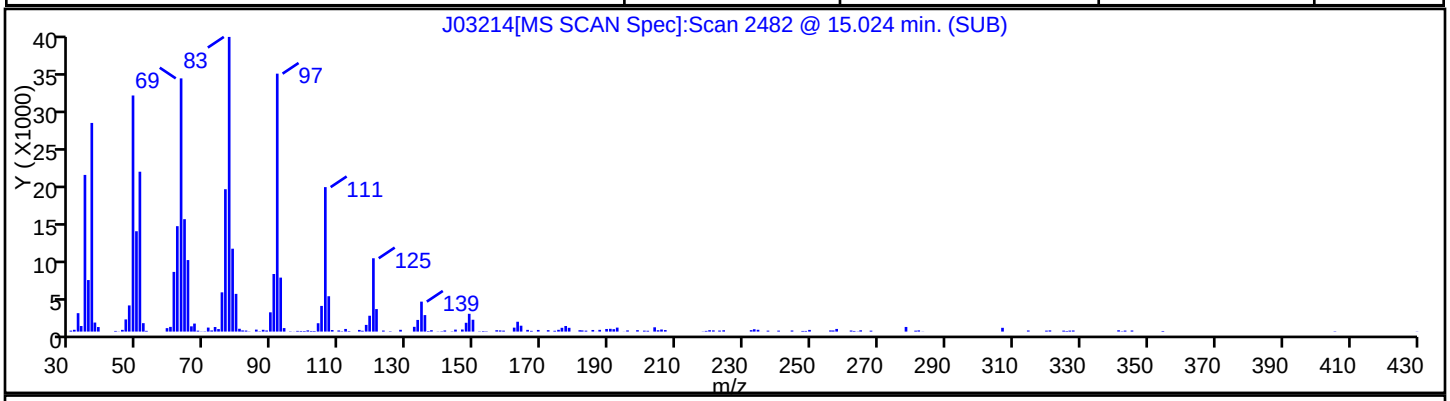
Lims Batch ID: 49648 Lims Sample ID: 33

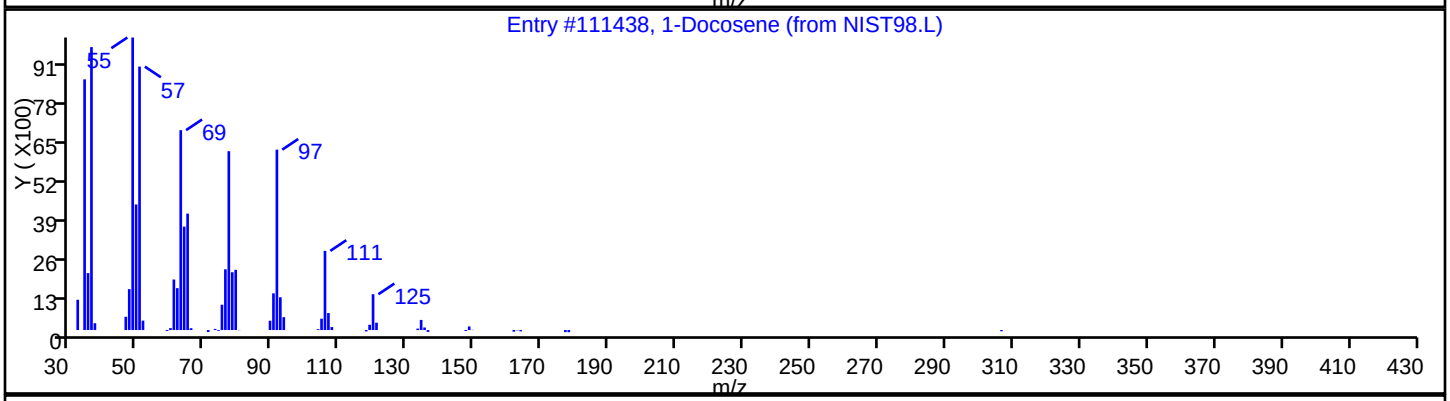
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

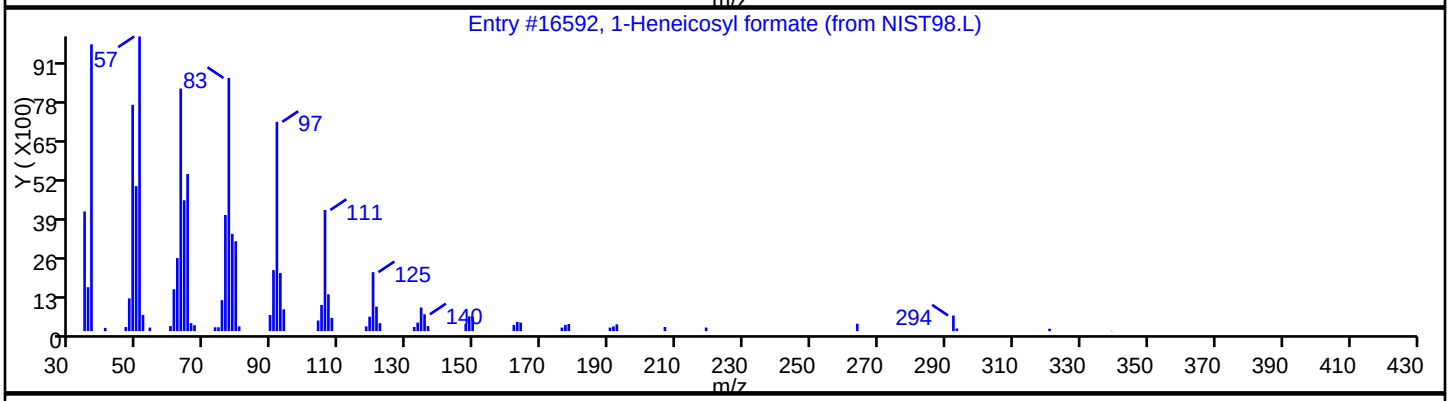
Sample Info: 360-24582-a-16-c 10X

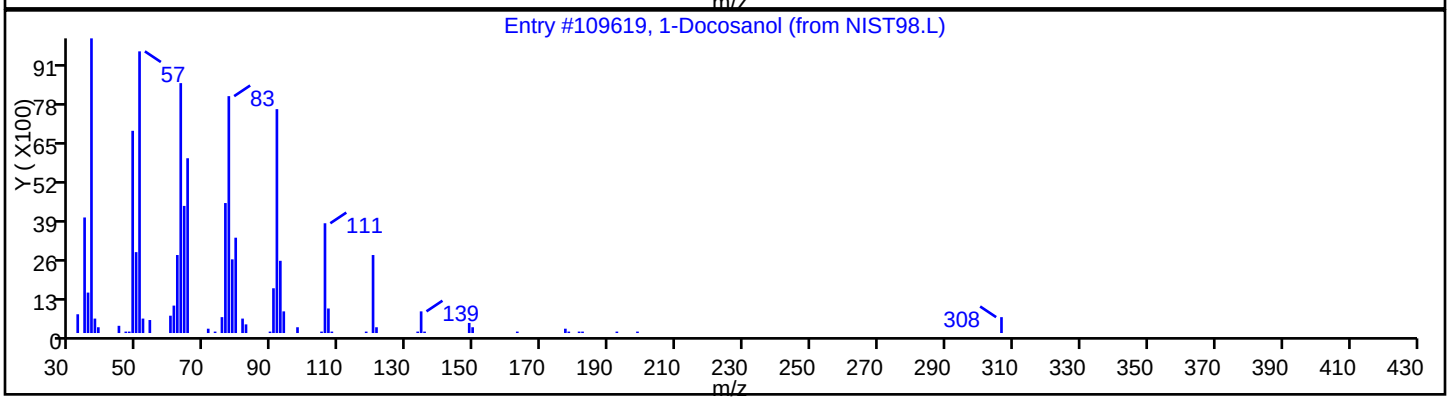
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	91
1-Heneicosyl formate	77899-3-7	NIST98.L	16592	91
1-Docosanol	661-19-8	NIST98.L	109619	91









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

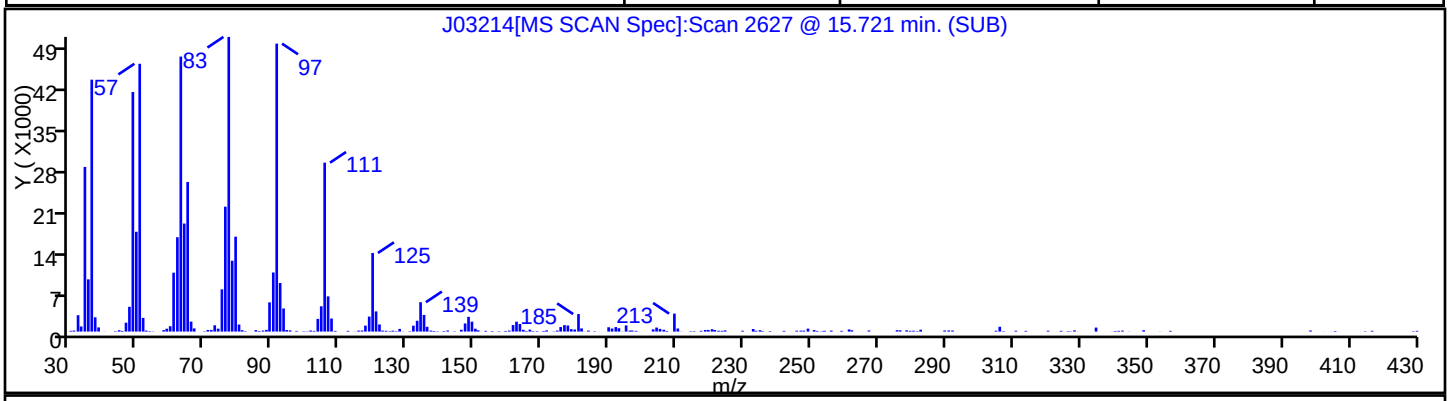
Lims Batch ID: 49648 Lims Sample ID: 33

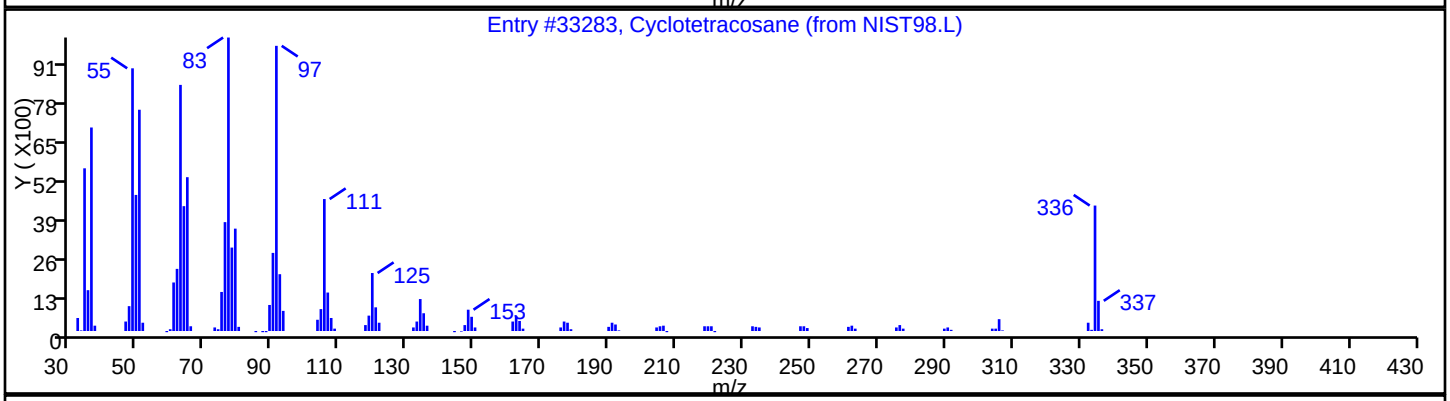
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

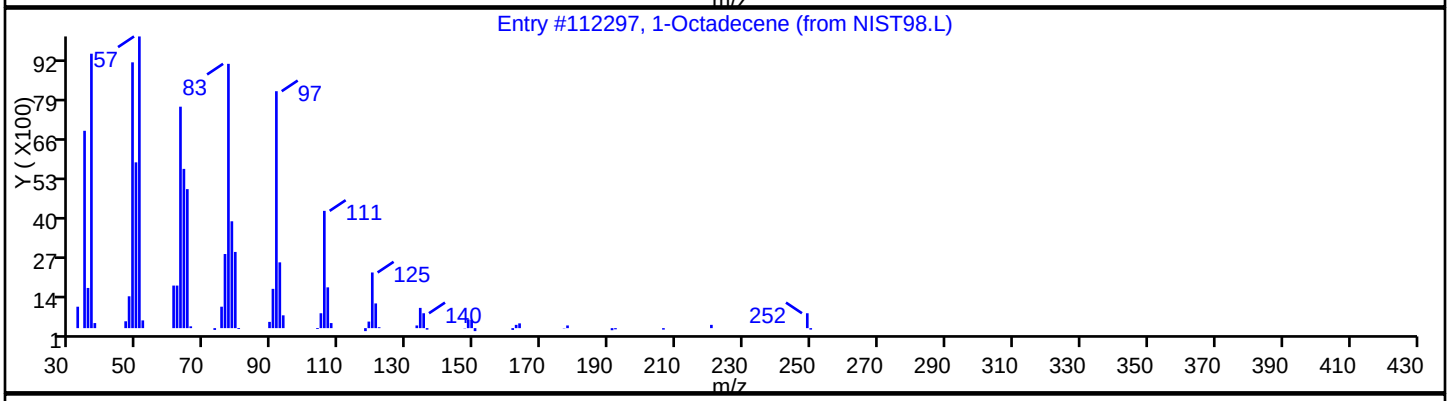
Sample Info: 360-24582-a-16-c 10X

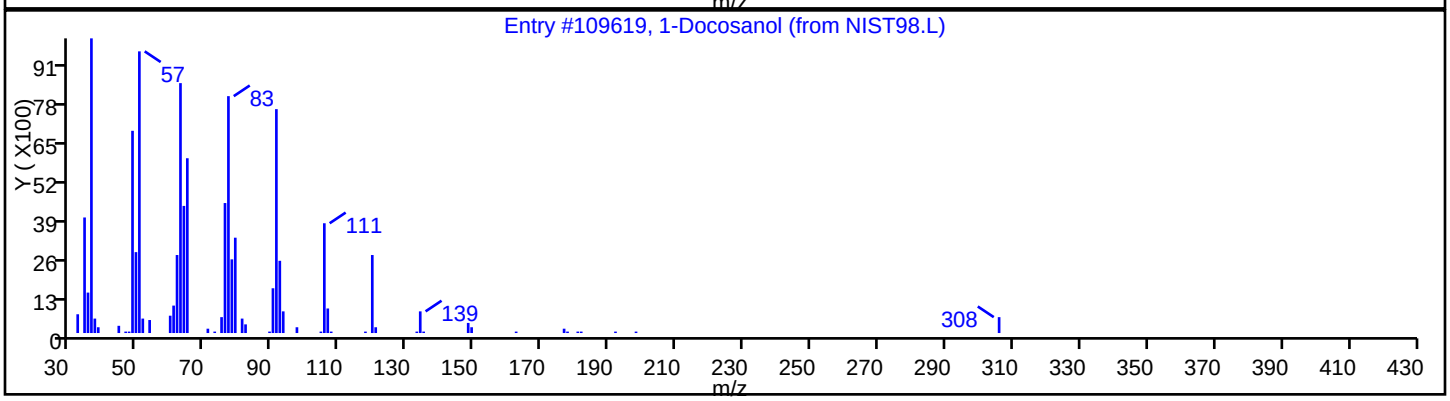
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	96
1-Octadecene	112-88-9	NIST98.L	112297	94
1-Docosanol	661-19-8	NIST98.L	109619	87









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

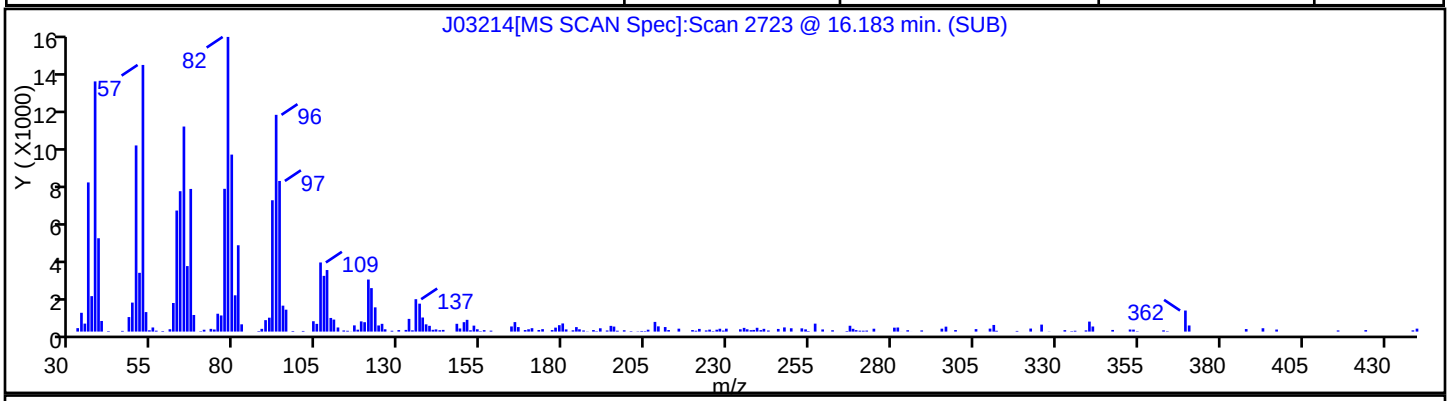
Lims Batch ID: 49648 Lims Sample ID: 33

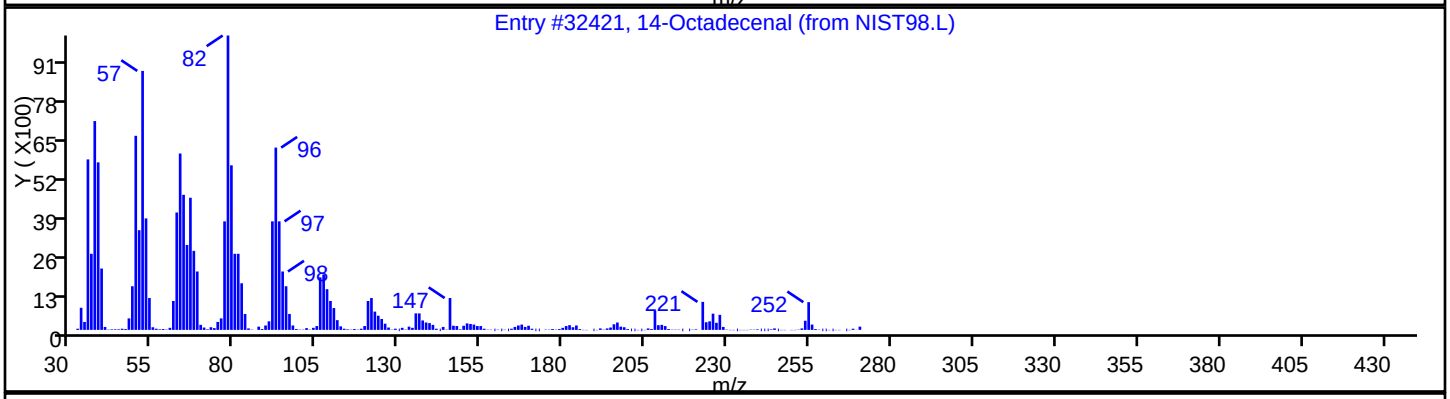
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

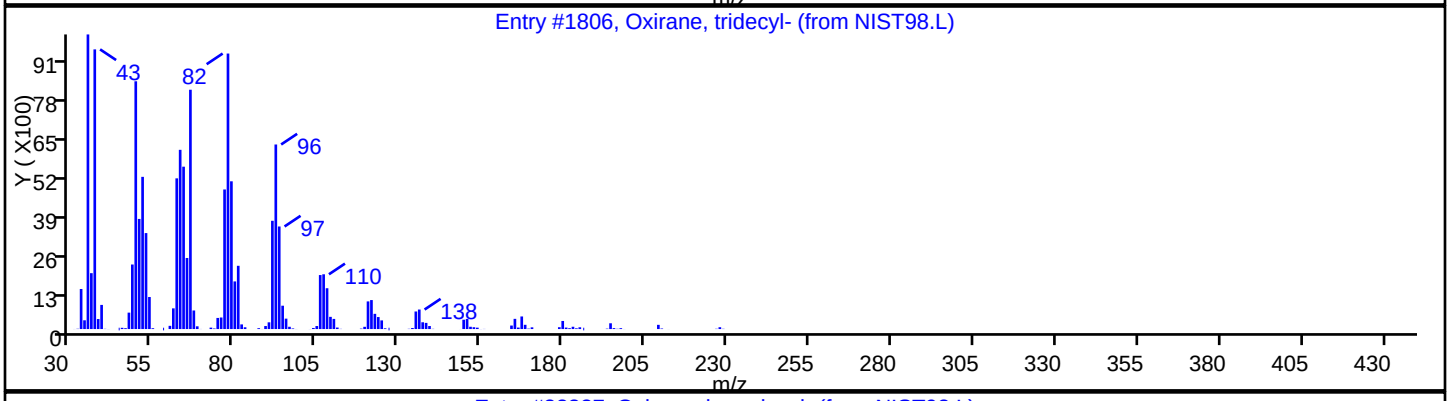
Sample Info: 360-24582-a-16-c 10X

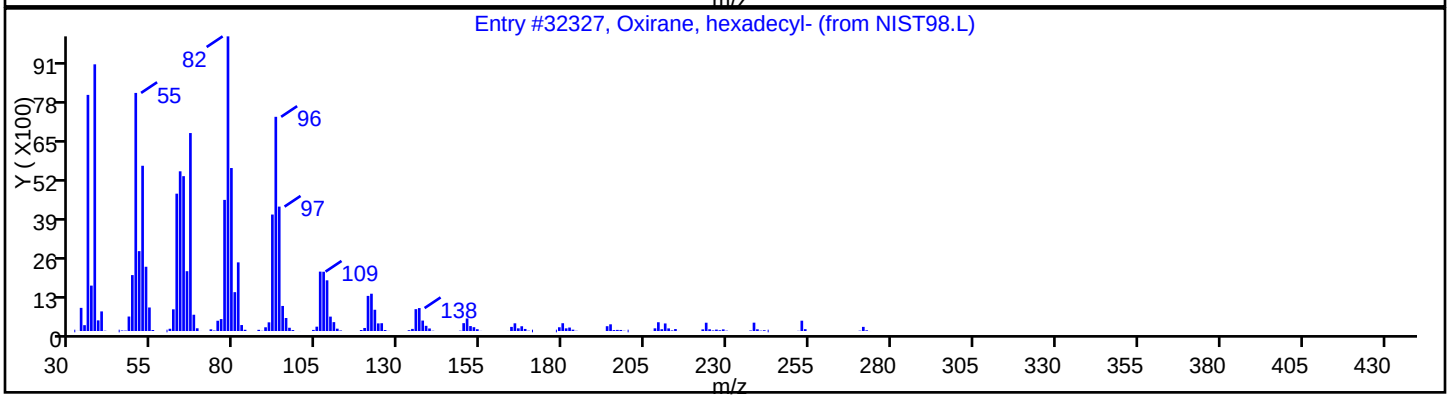
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
14-Octadecenal	56554-89-3	NIST98.L	32421	91
Oxirane, tridecyl-	18633-25-5	NIST98.L	1806	91
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

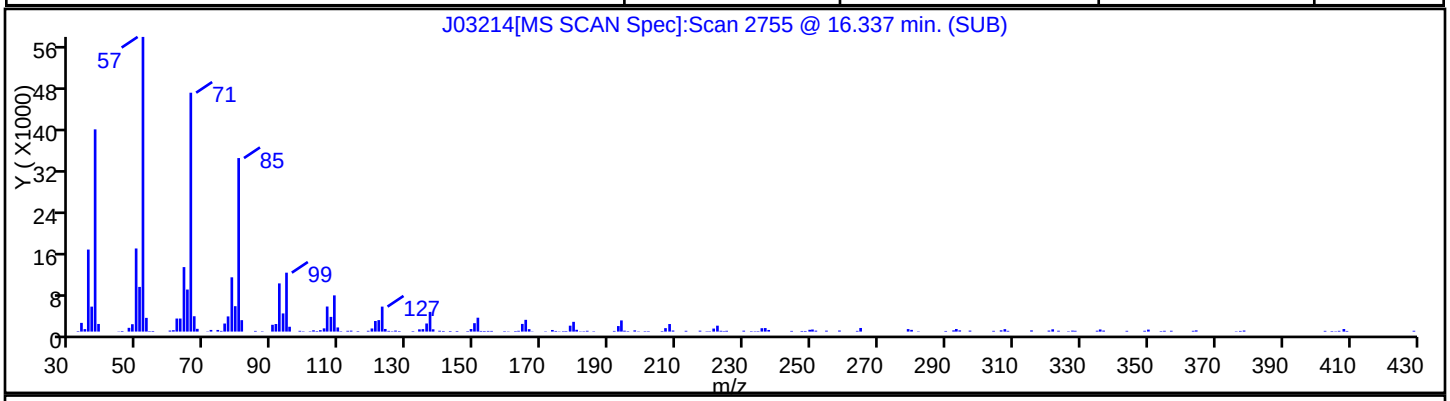
Lims Batch ID: 49648 Lims Sample ID: 33

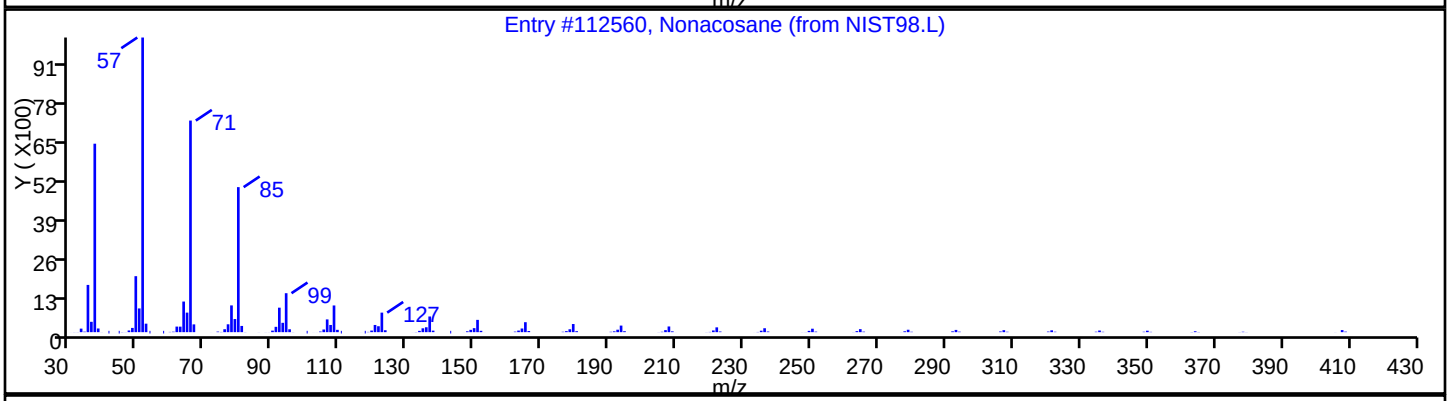
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

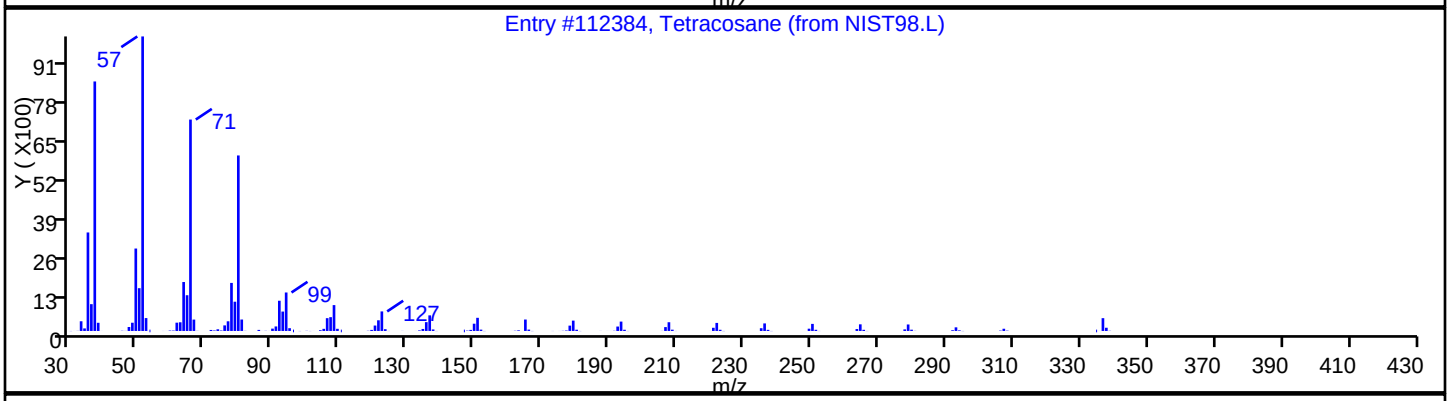
Sample Info: 360-24582-a-16-c 10X

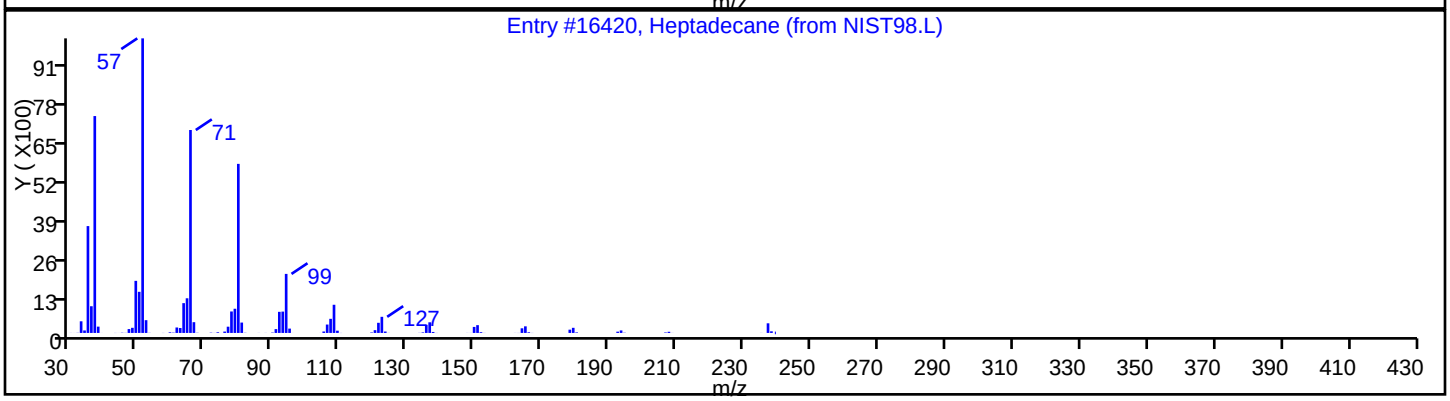
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	96
Tetracosane	646-31-1	NIST98.L	112384	93
Heptadecane	629-78-7	NIST98.L	16420	93









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

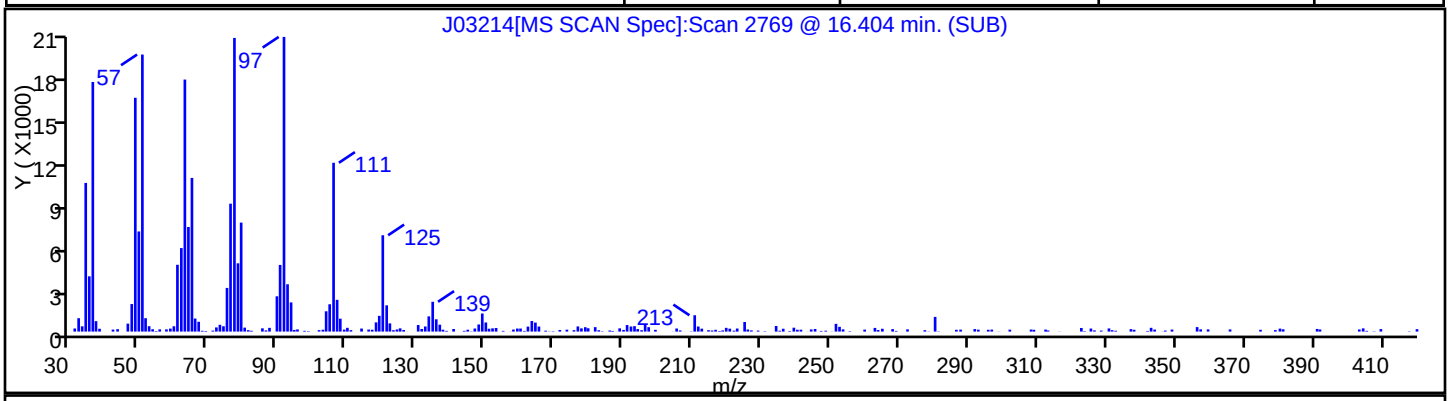
Lims Batch ID: 49648 Lims Sample ID: 33

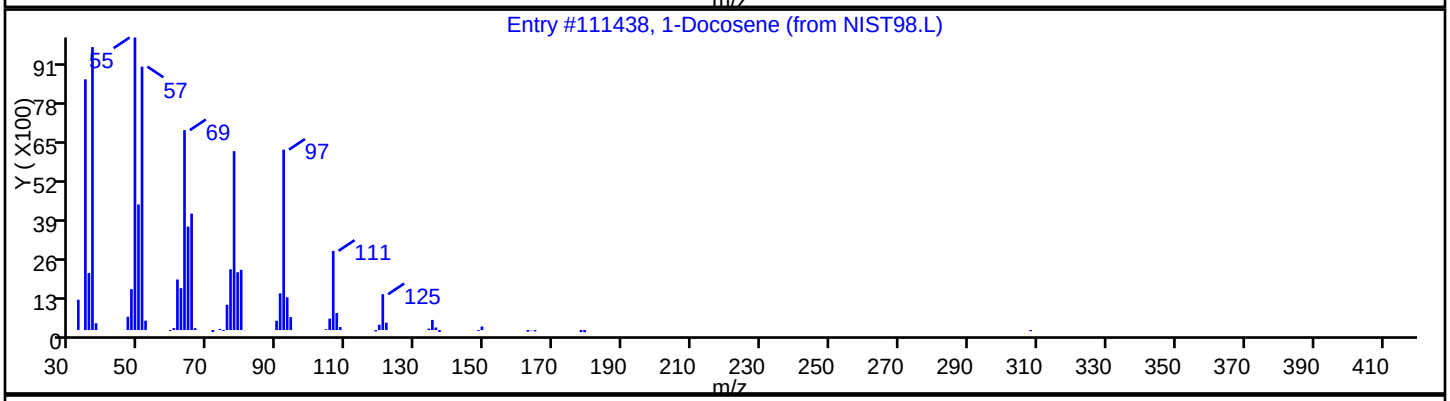
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

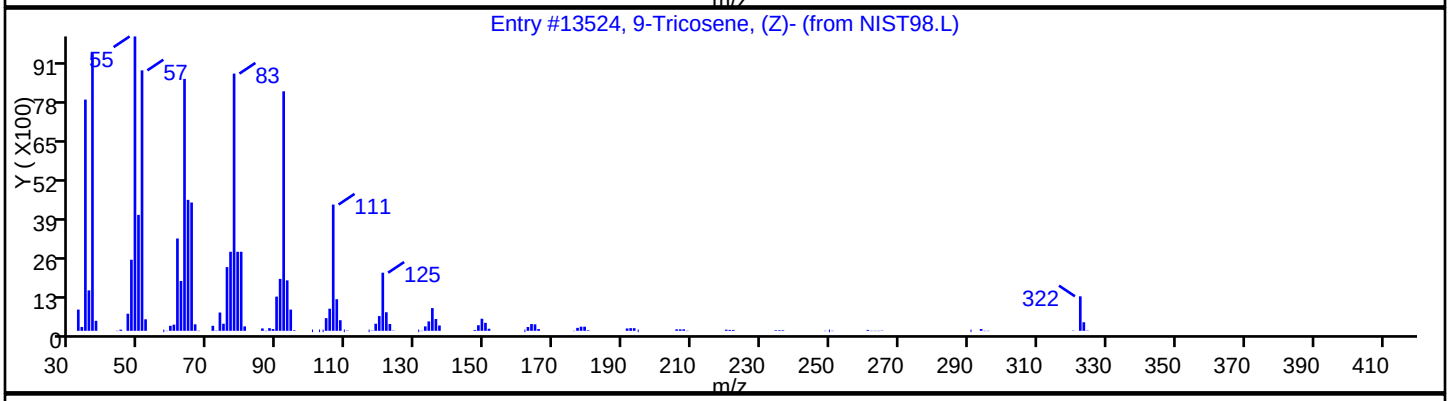
Sample Info: 360-24582-a-16-c 10X

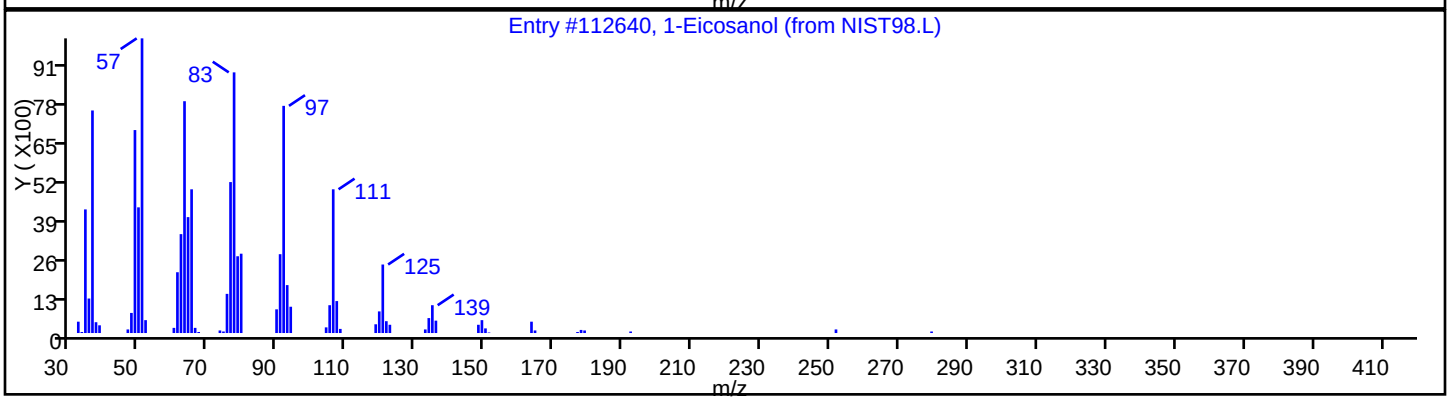
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	98
9-Tricosene, (Z)-	27519-2-4	NIST98.L	13524	93
1-Eicosanol	629-96-9	NIST98.L	112640	93









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 33

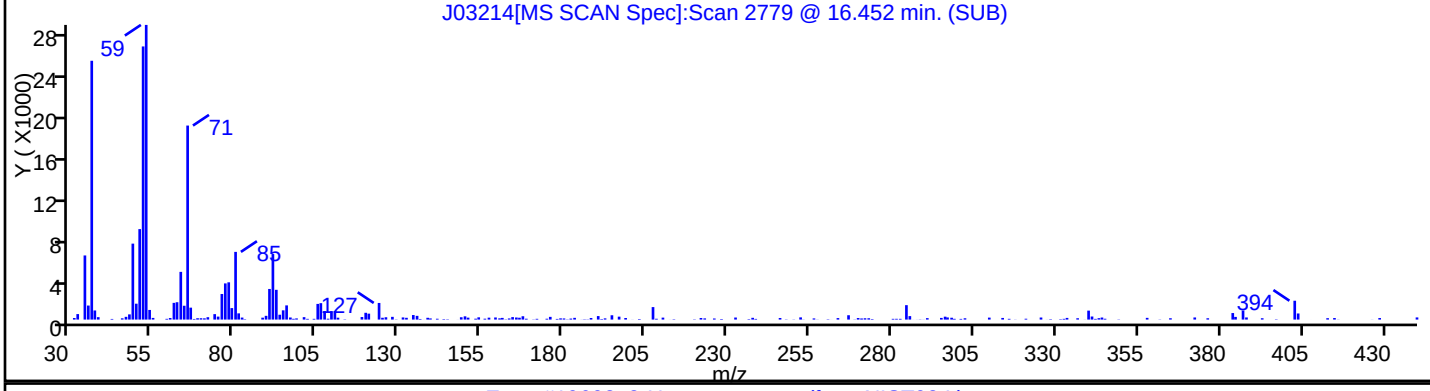
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-16-c 10X

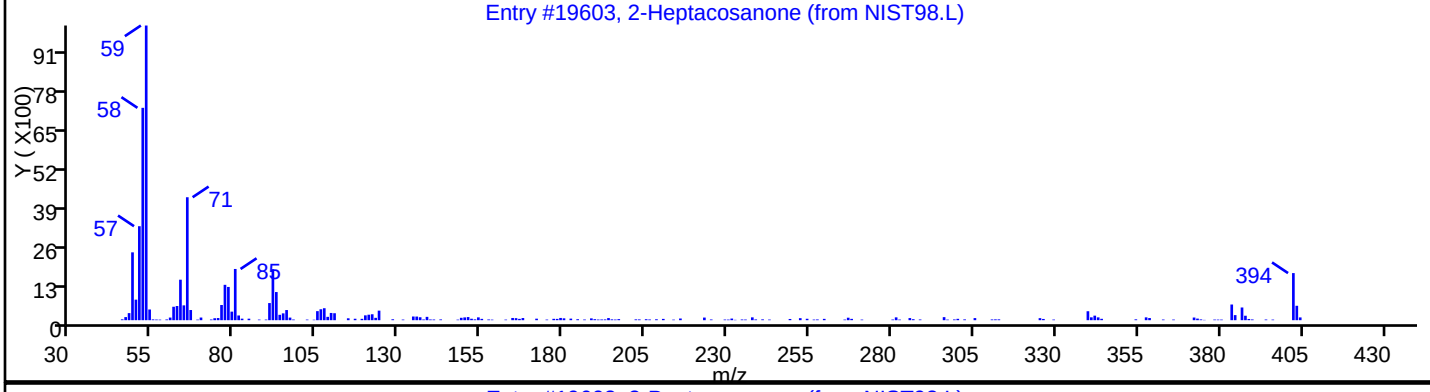
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Heptacosanone	7796-19-2	NIST98.L	19603	95
2-Pentacosanone	75207-54-4	NIST98.L	19602	78
Oxirane, 3-ethyl-2,2-dimethyl-	1192-22-9	NIST98.L	19363	58

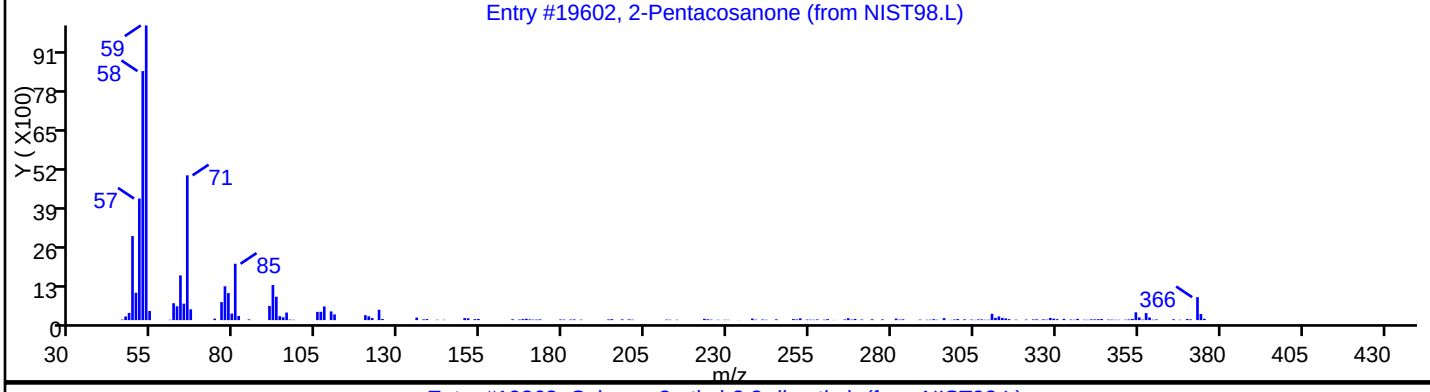
J03214[MS SCAN Spec]:Scan 2779 @ 16.452 min. (SUB)



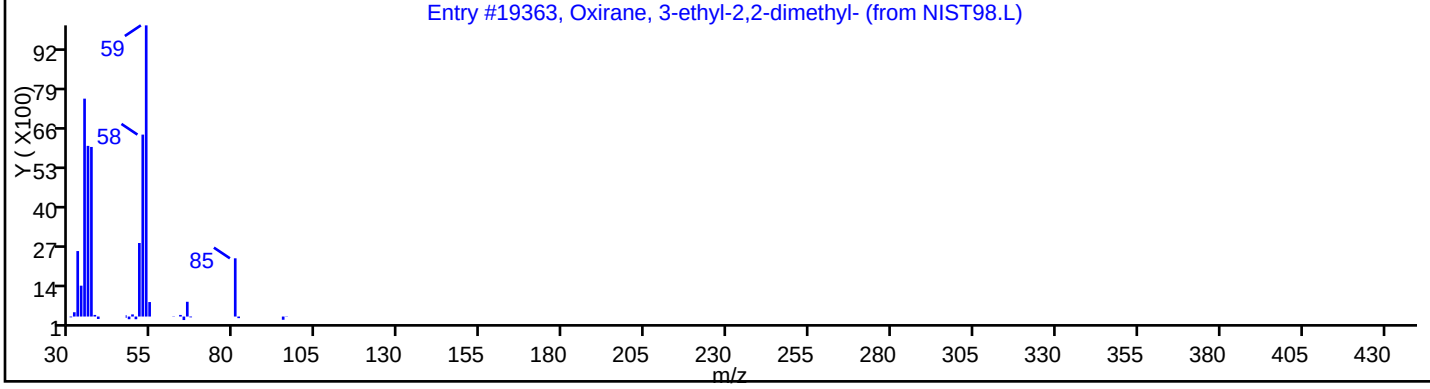
Entry #19603, 2-Heptacosanone (from NIST98.L)



Entry #19602, 2-Pentacosanone (from NIST98.L)



Entry #19363, Oxirane, 3-ethyl-2,2-dimethyl- (from NIST98.L)



Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

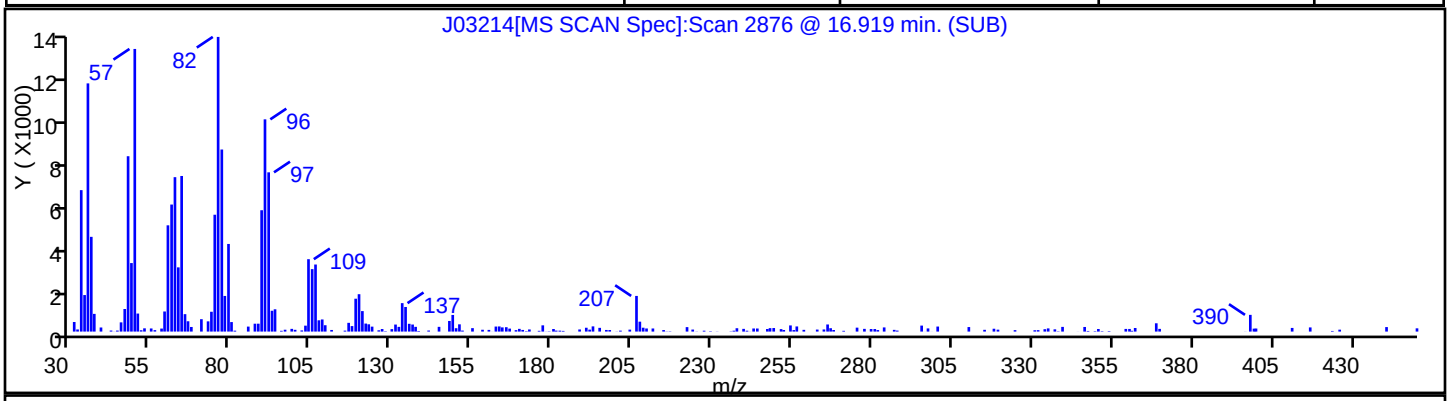
Lims Batch ID: 49648 Lims Sample ID: 33

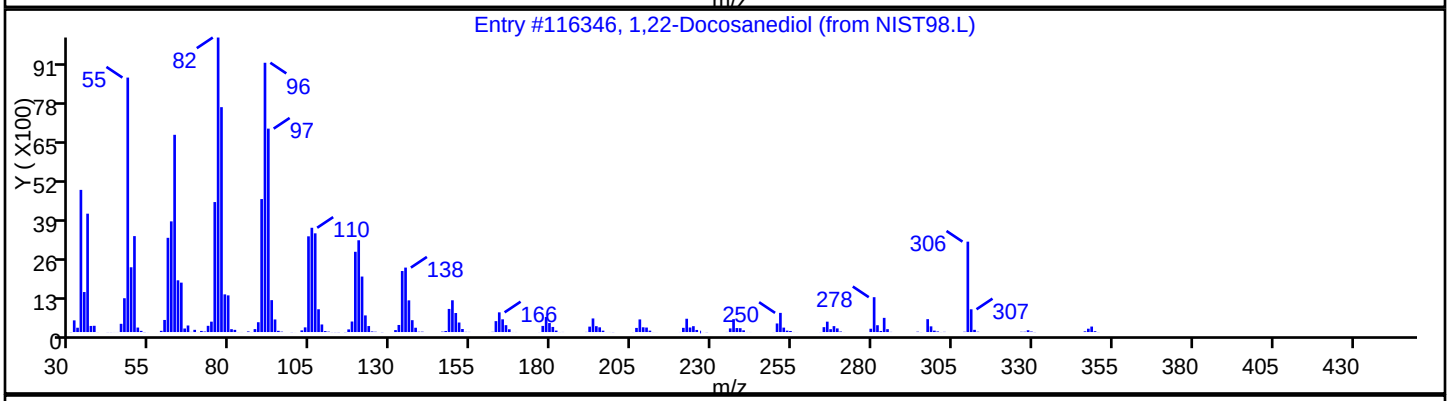
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

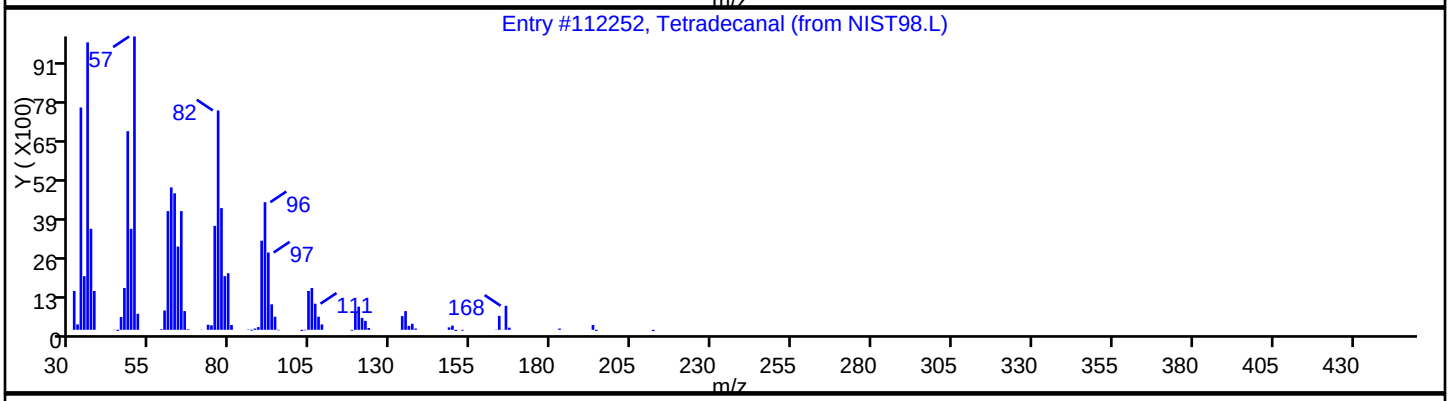
Sample Info: 360-24582-a-16-c 10X

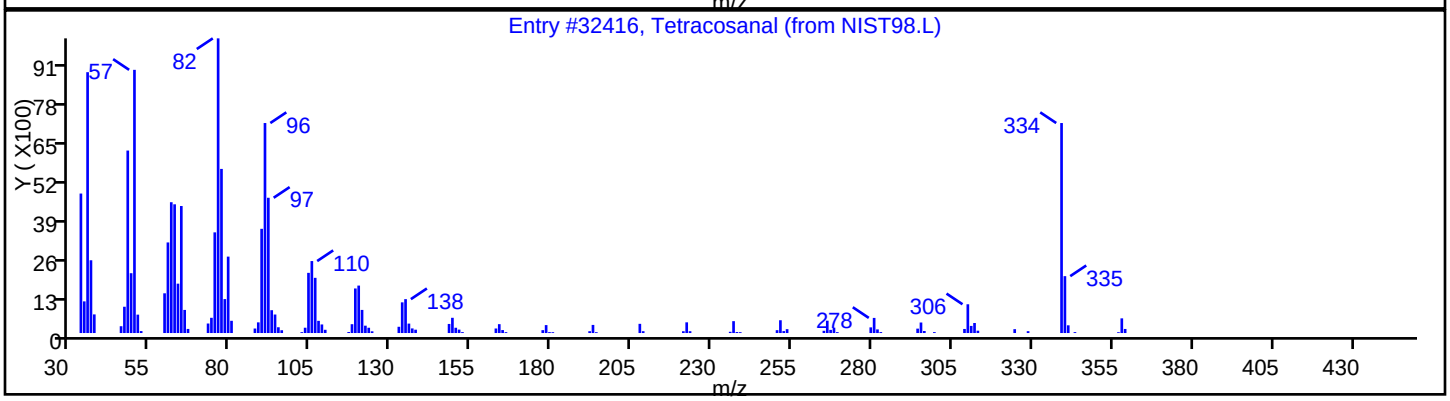
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,22-Docosanediol	22513-81-1	NIST98.L	116346	90
Tetradecanal	124-25-4	NIST98.L	112252	90
Tetracosanal	1000130-69-4	NIST98.L	32416	90









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

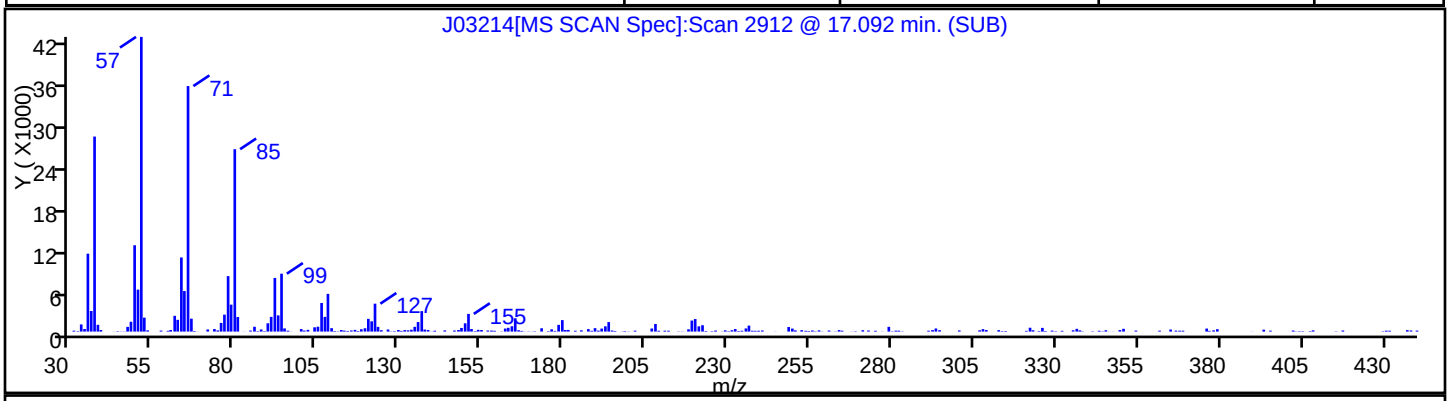
Lims Batch ID: 49648 Lims Sample ID: 33

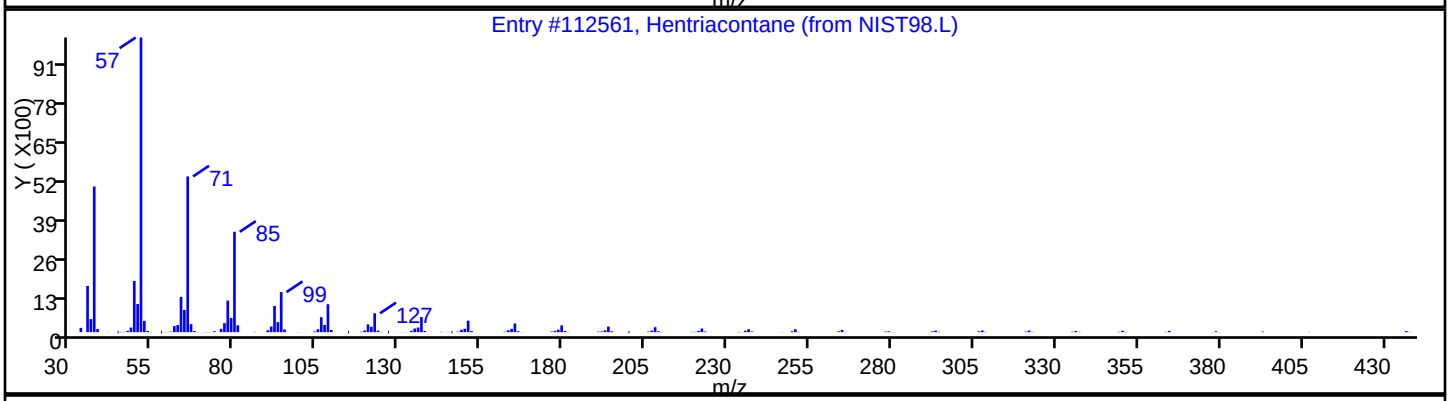
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

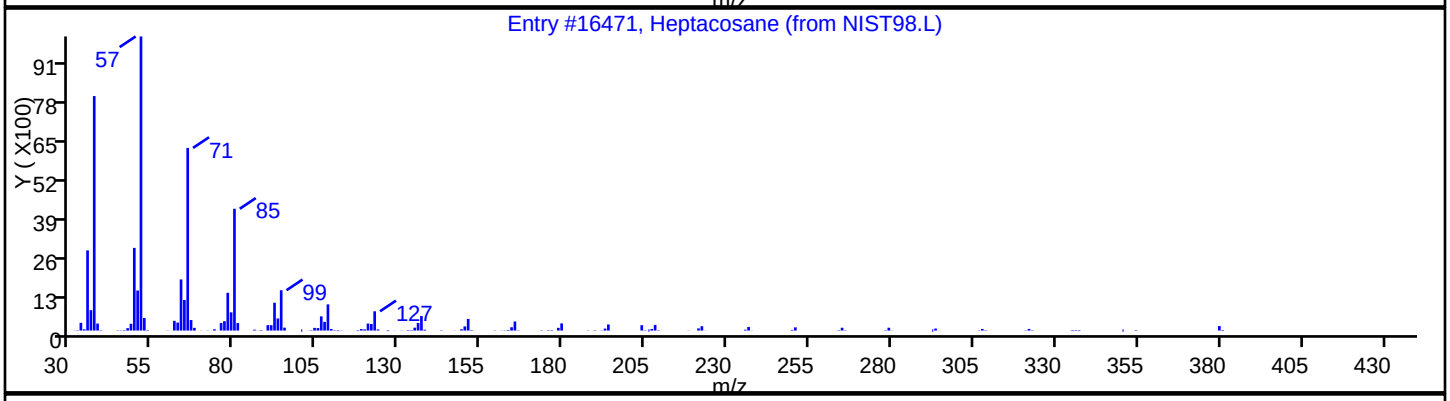
Sample Info: 360-24582-a-16-c 10X

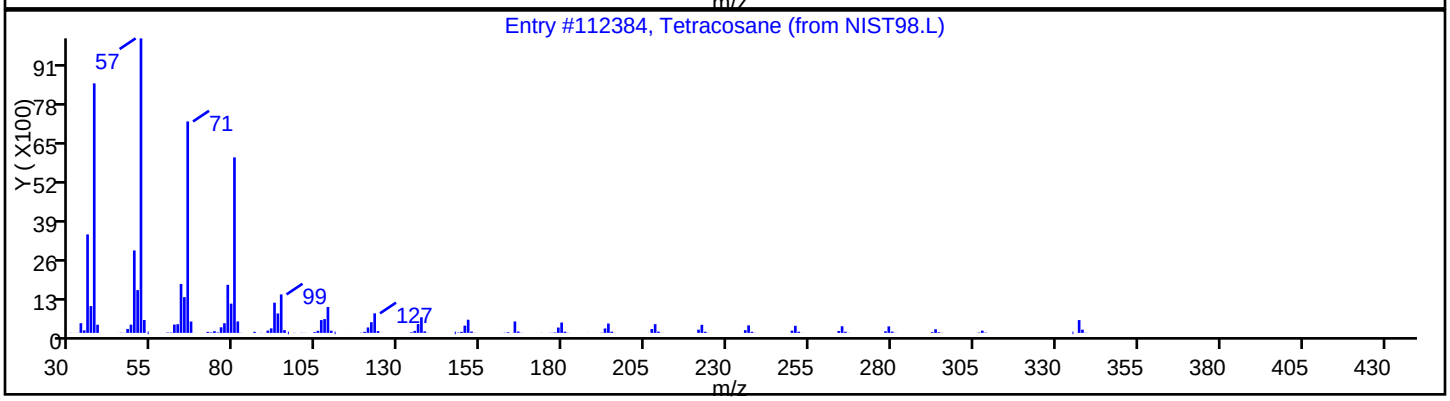
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hentriacontane	630-4-6	NIST98.L	112561	96
Heptacosane	593-49-7	NIST98.L	16471	94
Tetracosane	646-31-1	NIST98.L	112384	92









Report Date: 30-Sep-2009 09:28:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03214.D

Inj Date: 29-Sep-2009 07:06:30 Limit Group: SMS - 8270LL SVOA Calibration

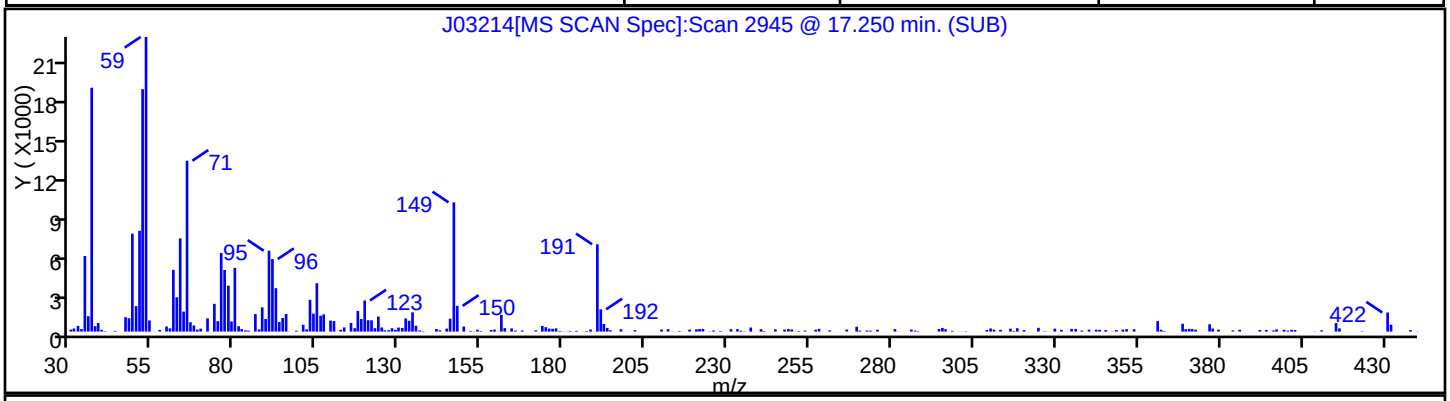
Lims Batch ID: 49648 Lims Sample ID: 33

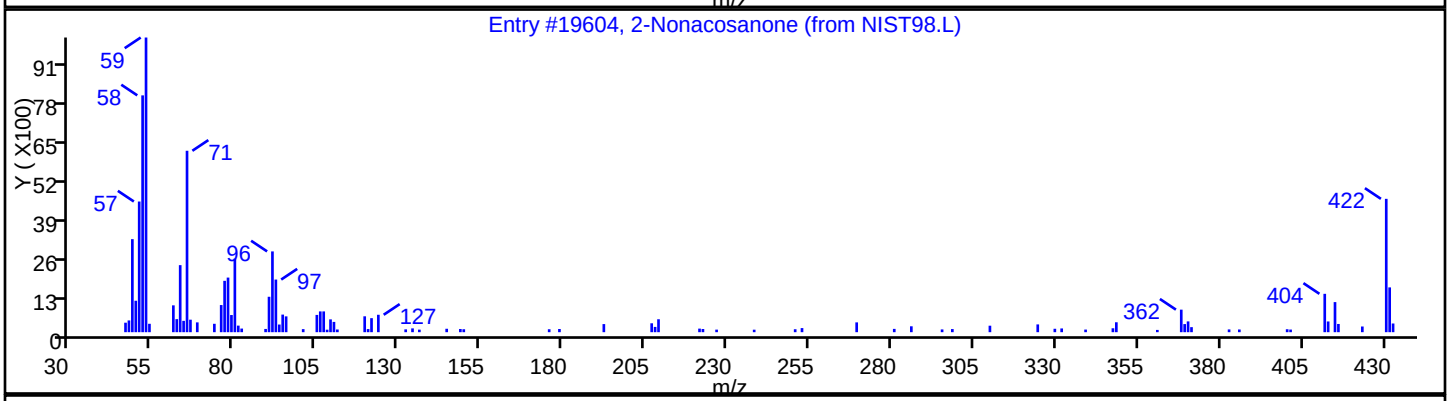
Client ID: OC-SS-411-0.0/1.0-XXX Instrument: Inst. J

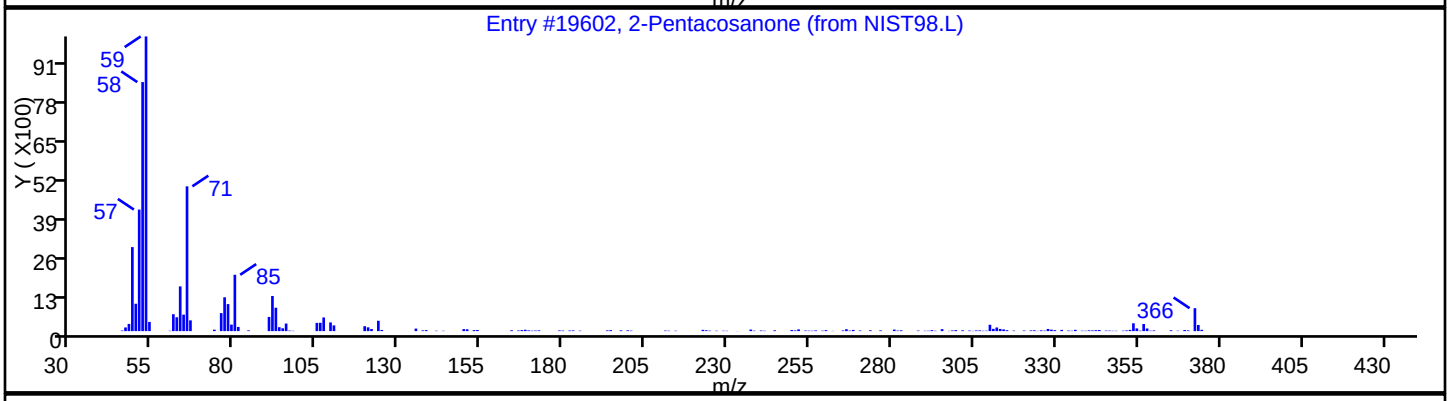
Sample Info: 360-24582-a-16-c 10X

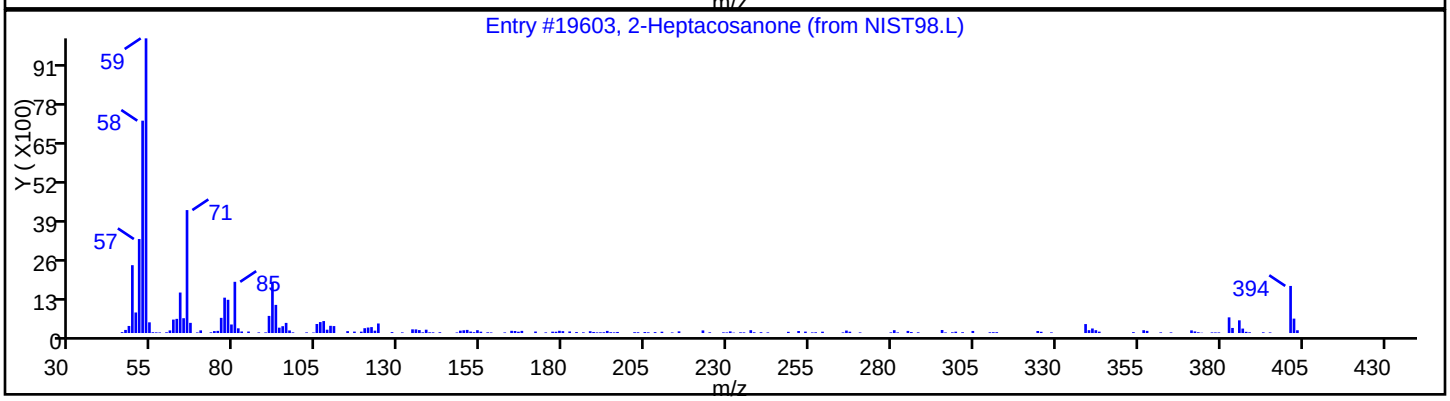
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Nonacosanone	17600-99-6	NIST98.L	19604	95
2-Pentacosanone	75207-54-4	NIST98.L	19602	53
2-Heptacosanone	7796-19-2	NIST98.L	19603	53









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: J03215.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:20

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.50(g) | Date Analyzed: 09/29/2009 07:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		360	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		360	110
120-82-1	1,2,4-Trichlorobenzene	ND		360	110
95-50-1	1,2-Dichlorobenzene	ND		360	110
541-73-1	1,3-Dichlorobenzene	ND		360	110
106-46-7	1,4-Dichlorobenzene	ND		360	110
90-12-0	1-Methylnaphthalene	ND		360	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		360	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		360	110
95-95-4	2,4,5-Trichlorophenol	ND		360	110
88-06-2	2,4,6-Trichlorophenol	ND		360	110
120-83-2	2,4-Dichlorophenol	ND	*	360	110
105-67-9	2,4-Dimethylphenol	ND		360	140
51-28-5	2,4-Dinitrophenol	ND		360	110
121-14-2	2,4-Dinitrotoluene	ND		360	110
606-20-2	2,6-Dinitrotoluene	ND		360	110
91-58-7	2-Chloronaphthalene	ND		360	110
95-57-8	2-Chlorophenol	ND		360	110
91-57-6	2-Methylnaphthalene	ND		360	110
95-48-7	2-Methylphenol	ND		360	210
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		360	110
15831-10-4	3 & 4 Methylphenol	ND		360	110
91-94-1	3,3'-Dichlorobenzidine	ND		710	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		360	110
59-50-7	4-Chloro-3-methylphenol	ND		710	110
106-47-8	4-Chloroaniline	ND		710	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		360	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		360	110
208-96-8	Acenaphthylene	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: J03215.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:20

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.50(g) | Date Analyzed: 09/29/2009 07:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		360	110
62-53-3	Aniline	ND	*	360	110
120-12-7	Anthracene	ND		360	110
1912-24-9	Atrazine	ND		360	110
103-33-3	Azobenzene	ND		360	110
100-52-7	Benzaldehyde	250	J	360	110
56-55-3	Benzo[a]anthracene	540		360	110
50-32-8	Benzo[a]pyrene	570		360	110
205-99-2	Benzo[b]fluoranthene	470		360	110
191-24-2	Benzo[g,h,i]perylene	420		360	110
207-08-9	Benzo[k]fluoranthene	480		360	110
65-85-0	Benzoic acid	420	J B	1800	160
119-61-9	Benzophenone	ND		360	110
100-51-6	Benzyl alcohol	ND		710	300
111-91-1	Bis(2-chloroethoxy)methane	ND		360	110
111-44-4	Bis(2-chloroethyl)ether	ND		360	110
117-81-7	Bis(2-ethylhexyl) phthalate	880	B	360	110
85-68-7	Butyl benzyl phthalate	ND		360	110
105-60-2	Caprolactam	ND		360	110
86-74-8	Carbazole	ND		360	110
218-01-9	Chrysene	1000		360	110
53-70-3	Dibenz(a,h)anthracene	320	J	360	110
132-64-9	Dibenzofuran	ND		360	110
84-66-2	Diethyl phthalate	ND		360	110
131-11-3	Dimethyl phthalate	ND		360	110
84-74-2	Di-n-butyl phthalate	ND		360	310
117-84-0	Di-n-octyl phthalate	ND		360	180
101-84-8	Diphenyl oxide	ND		360	110
206-44-0	Fluoranthene	960		360	110
86-73-7	Fluorene	ND		360	110
118-74-1	Hexachlorobenzene	ND		360	110
87-68-3	Hexachlorobutadiene	ND		360	110
77-47-4	Hexachlorocyclopentadiene	ND		710	110
67-72-1	Hexachloroethane	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: J03215.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:20

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.50(g) | Date Analyzed: 09/29/2009 07:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	320	J *	360	110
78-59-1	Isophorone	ND		360	110
91-20-3	Naphthalene	ND		860	110
98-95-3	Nitrobenzene	ND		360	110
62-75-9	N-Nitrosodimethylamine	ND		360	130
621-64-7	N-Nitrosodi-n-propylamine	ND		360	110
86-30-6	N-Nitrosodiphenylamine	ND		360	110
87-86-5	Pentachlorophenol	ND		360	110
85-01-8	Phenanthrene	410	J	430	110
108-95-2	Phenol	ND		360	110
129-00-0	Pyrene	1400		360	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	30-130	
321-60-8	2-Fluorobiphenyl	70	30-130	
367-12-4	2-Fluorophenol	69	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	88	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: J03215.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:20

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.50(g) | Date Analyzed: 09/29/2009 07:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 84940

CAS NO.	COMPOUND NAME	RT	RESULT	Q
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	320	T J N
1000142-23-9	Tricyclo[4.3.3.0(1,6)]dodeca-7,11-diene-	14.50	730	T J N
3353-12-6	Pyrene, 4-methyl-	14.65	350	T J N
629-92-5	Nonadecane	15.00	360	T J N
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.11	320	T J N
629-78-7	Heptadecane	15.68	570	T J N
630-3-5	Nonacosane	16.34	2300	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.86	79000	T J N
112-95-8	Eicosane	17.09	990	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Lims ID:	360-24582-A-17-D	Client ID:	OC-SS-412-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 07:39:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-17-d 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49648	Lims Sample ID:	34
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:31:23	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:31:23

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.037	8.036	0.001	54059	2.00	
* 2 Naphthalene-d8	136	9.349	9.349	0.000	134920	2.00	
* 3 Acenaphthene-d10	164	11.133	11.133	0.000	72424	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	111031	2.00	
* 5 Chrysene-d12	240	15.380	15.379	0.001	56255	2.00	
* 6 Perylene-d12	264	17.019	17.014	0.005	40679	2.00	
$ 7 2-Fluorophenol	112	6.690	6.685	0.005	11028	0.6898	
$ 8 Phenol-d5	99	7.685	7.680	0.005	12382	0.6545	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	6010	0.3172	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.000	14601	0.3486	
$ 11 2,4,6-Tribromophenol	330	11.936	11.936	0.000	3110	0.7924	
$ 12 Terphenyl-d14	244	14.201	14.201	0.000	8944	0.4419	
17 Benzaldehyde	105	7.599	7.599	0.000	7039	0.7127	
18 Phenol	94	7.700	7.695	0.005	512	0.0252	
19 Aniline	93	7.743	7.743	0.000	419	0.0176	
30 Acetophenone	105	8.469	8.469	0.000	2871	0.1296	
36 Benzoic acid	105	9.022	9.037	-0.014	1552	1.17	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	288	0.006535	7
61 Acenaphthene	153	11.167	11.167	0.000	1155	0.0328	
64 Dibenzofuran	168	11.321	11.321	0.000	1023	0.0210	
80 Phenanthrene	178	12.643	12.643	0.000	53143	1.16	
81 Anthracene	178	12.687	12.686	0.001	5296	0.1042	
83 Carbazole	167	12.845	12.840	0.005	5025	0.1264	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	5018	0.0866	
87 Fluoranthene	202	13.850	13.850	0.000	123616	2.69	
85 Pyrene	202	14.091	14.091	0.000	125825	3.80	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.283	0.000	49309	2.47	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	34470	1.52	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	15.408	15.408	0.000	65431	2.89	
97 Benzo[b]fluoranthene	252	16.543	16.543	0.000	30444	1.31	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	28172	1.36	
99 Benzo[a]pyrene	252	16.947	16.947	0.000	23750	1.59	
101 Dibenz(a,h)anthracene	278	18.544	18.544	0.000	3847	0.8943	
100 Indeno[1,2,3-cd]pyrene	276	18.563	18.553	0.010	9546	0.8976	
102 Benzo[g,h,i]perylene	276	19.025	19.020	0.005	11725	1.17	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Lims ID:	360-24582-A-17-D	Client ID:	OC-SS-412-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 07:39:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-17-d 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49648	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:31:23	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:31:23

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.971	79	0.8849	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
12.239	138908	0.8976	4	97	126944	
1000111-58-0 2,4-Diphenyl-4-methyl-1(E)-pentene						
12.576	49667	0.3209	4	90	53202	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
12.725	96116	0.6211	4	96	64461	
949-41-7 1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd						
13.119	77788	0.5026	4	98	81038	
3674-65-5 Phenanthrene, 2,3-dimethyl-						
13.682	83813	0.5416	4	87	84594	
629-78-7 Heptadecane						
14.288	36127	0.3412	5	91	16420	
243-17-4 11H-Benzo[b]fluorene						
14.427	75860	0.7164	5	93	126770	
1000142-23-9 Tricyclo[4.3.3.0(1,6)]dodeca-7,11-diene-						
14.495	217302	2.05	5	91	85545	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
2381-21-7		Pyrene, 1-methyl-				
14.548	67507	0.6375	5	96	86803	
3353-12-6		Pyrene, 4-methyl-				
14.649	102993	0.9726	5	94	126767	
629-92-5		Nonadecane				
14.995	107727	1.02	5	95	16515	
239-35-0		Benzo[b]naphtho[2,1-d]thiophene				
15.105	95919	0.9058	5	97	90383	
629-78-7		Heptadecane				
15.678	167863	1.59	5	96	112321	
2498-77-3		Benz[a]anthracene, 1-methyl-				
15.803	85228	0.8048	5	96	91703	
1705-84-6		Triphenylene, 2-methyl-				
15.856	37665	0.3557	5	96	91731	
629-92-5		Nonadecane				
16.005	84313	0.7962	5	93	112382	
630-3-5		Nonacosane				
16.337	251021	6.52	6	95	112560	
26603-23-6		p,p'-Dioctyldiphenylamine				
16.856	8553650	222.0	6	97	101420	
112-95-8		Eicosane				
17.092	107149	2.78	6	97	109630	

Quantitation Compounds

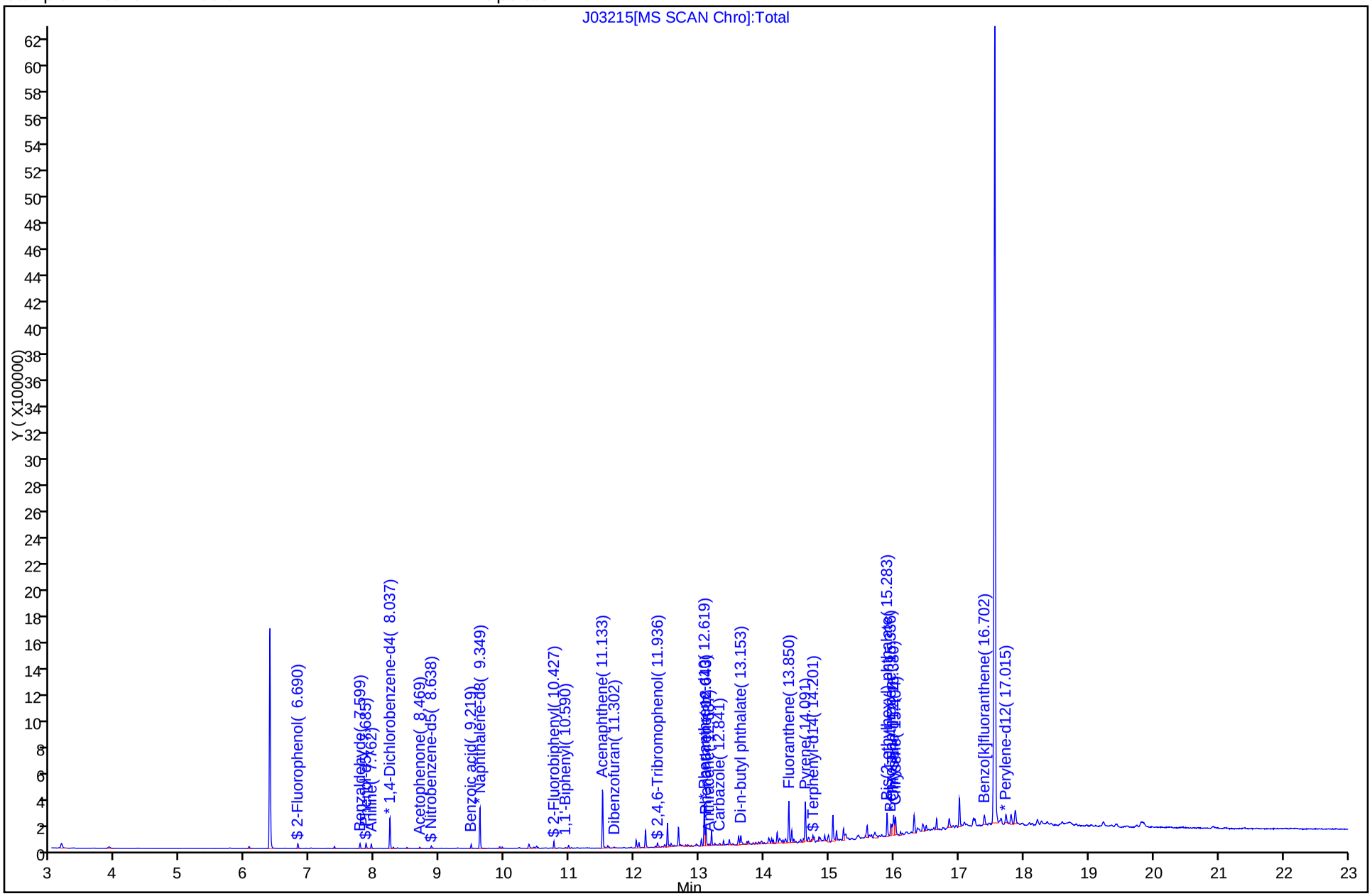
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	12.619	309519	2.00
* 5 Chrysene-d12	15.380	211794	2.00
* 6 Perylene-d12	17.015	77046	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:31:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

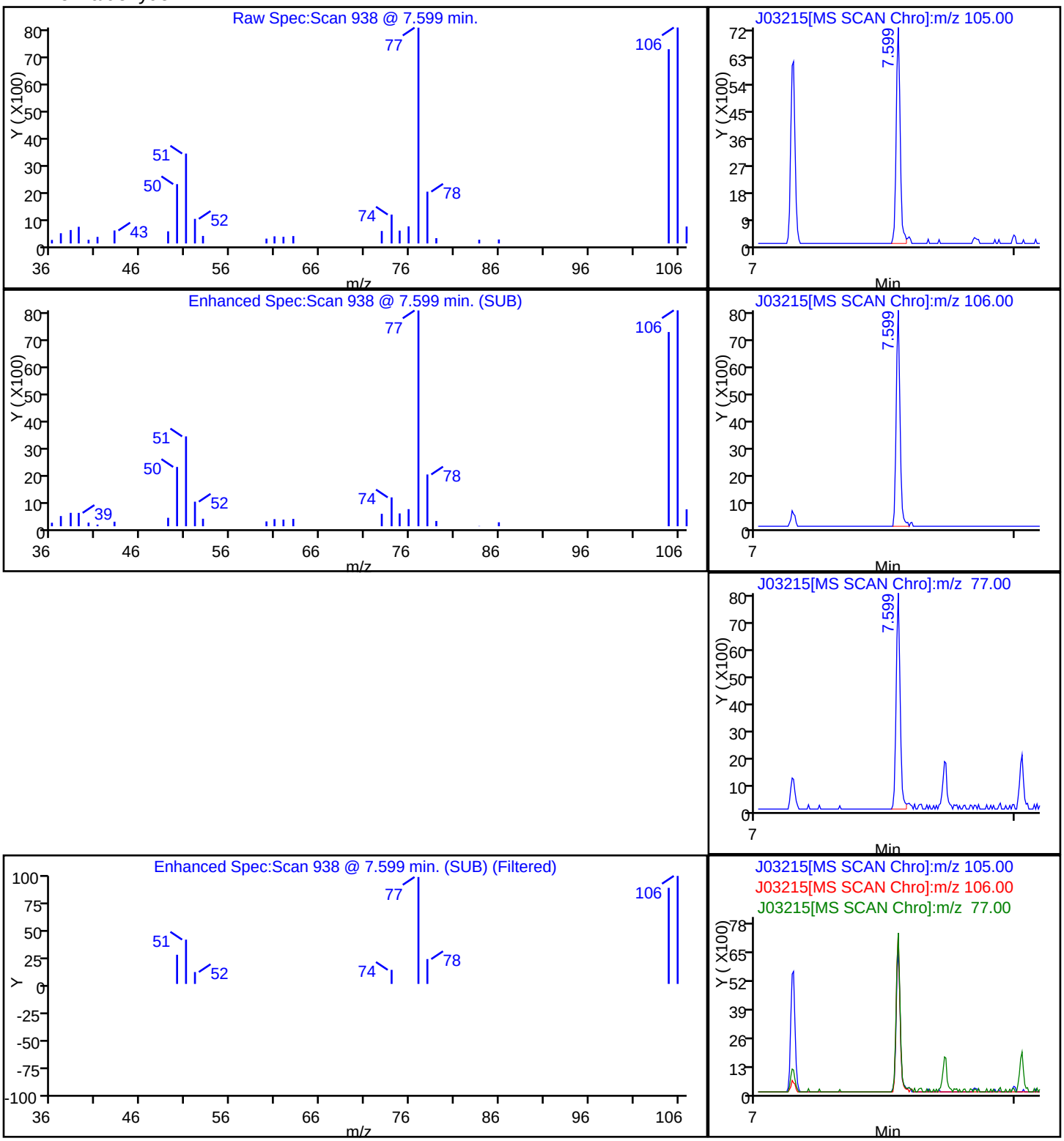
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:31:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

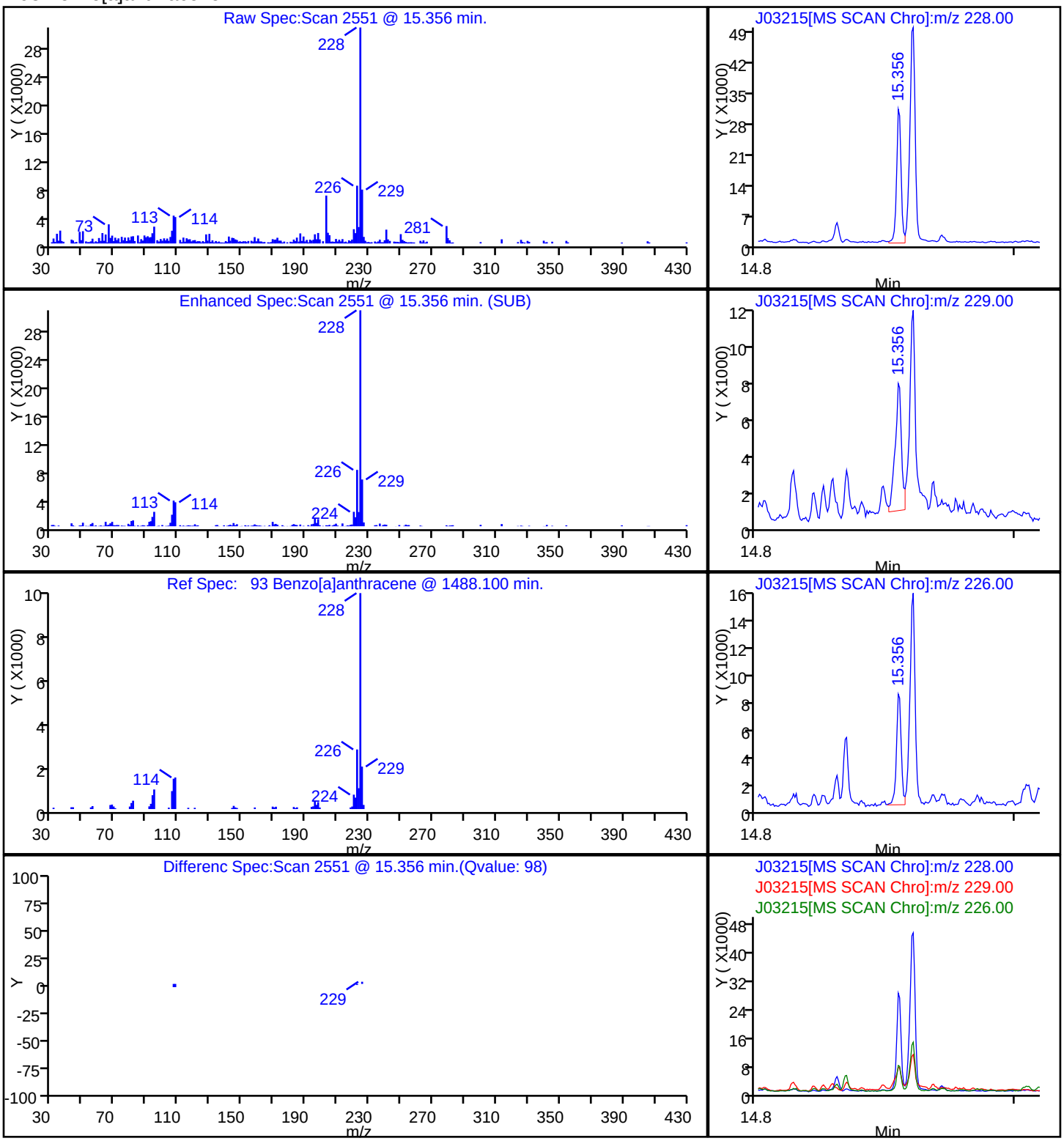
17 Benzaldehyde



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

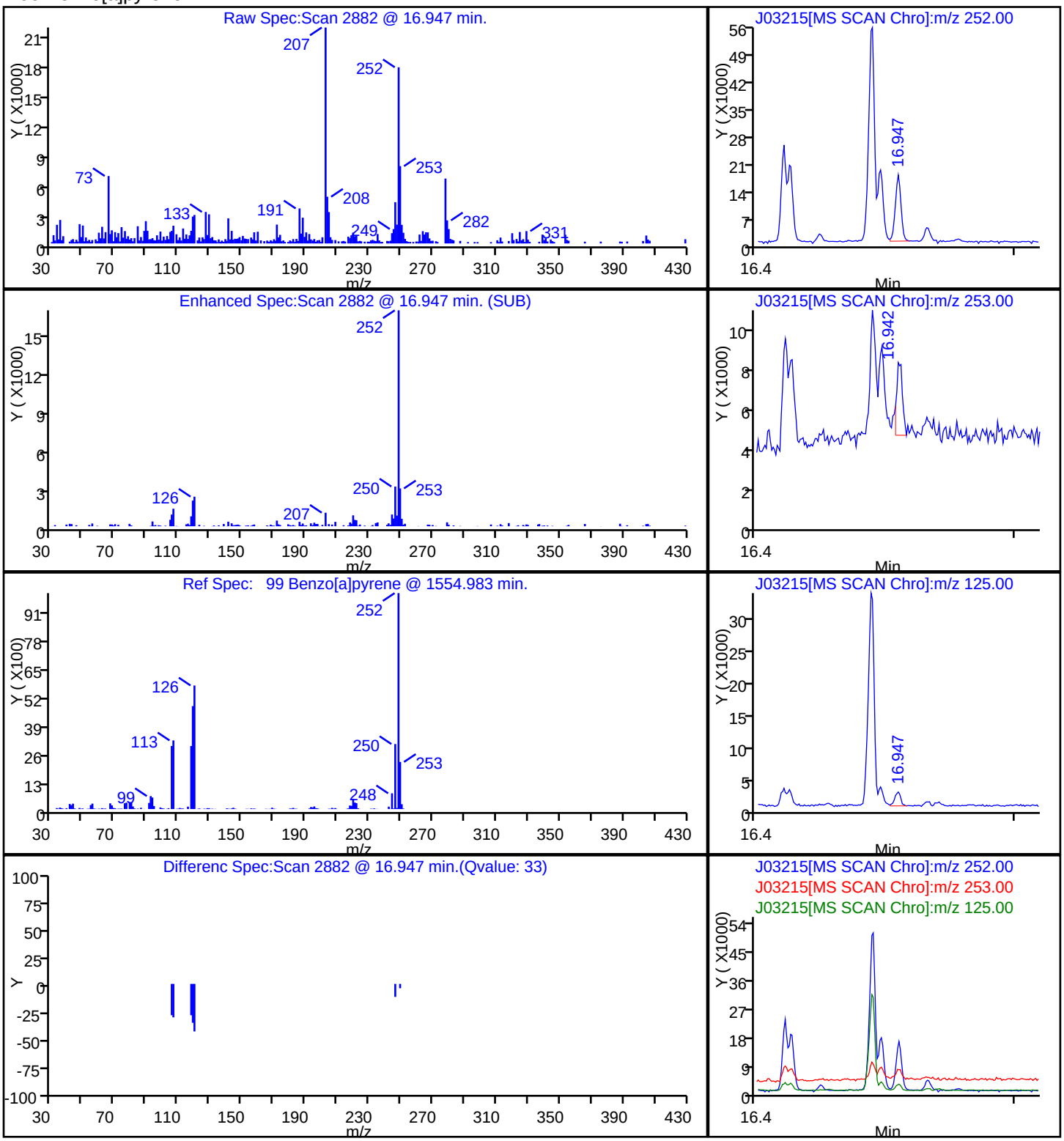
93 Benzo[a]anthracene



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

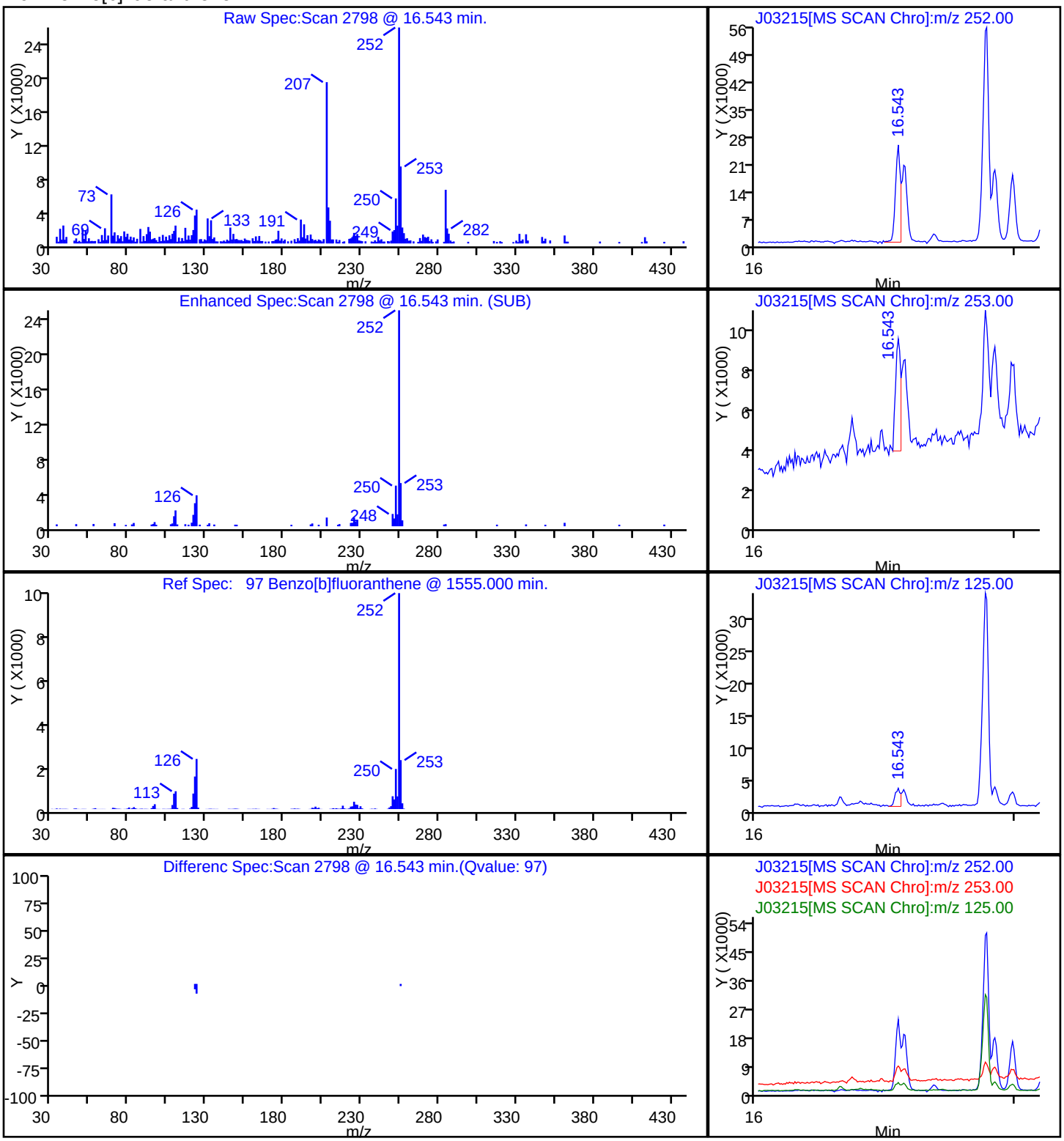
99 Benzo[a]pyrene



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

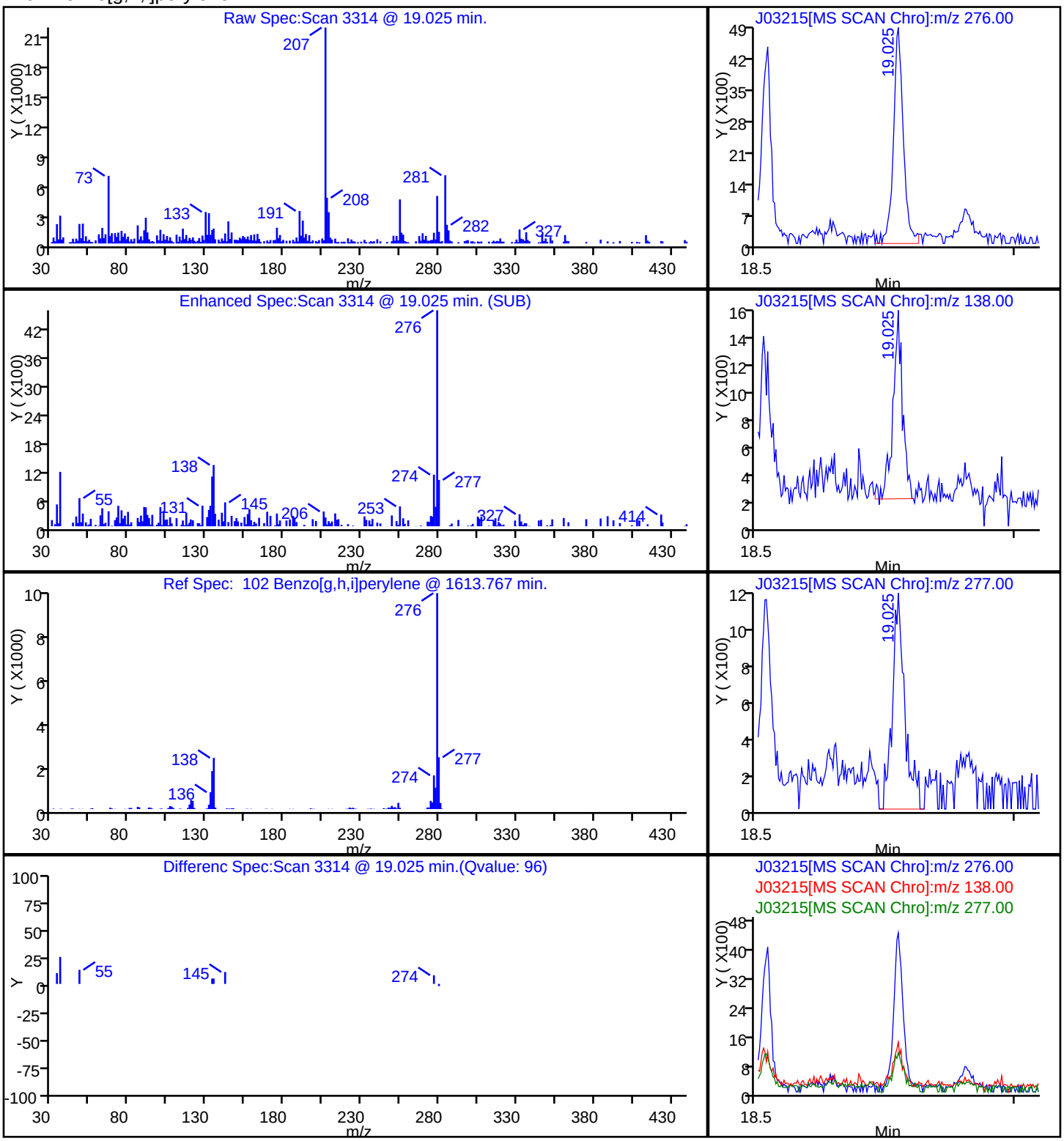
97 Benzo[b]fluoranthene



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

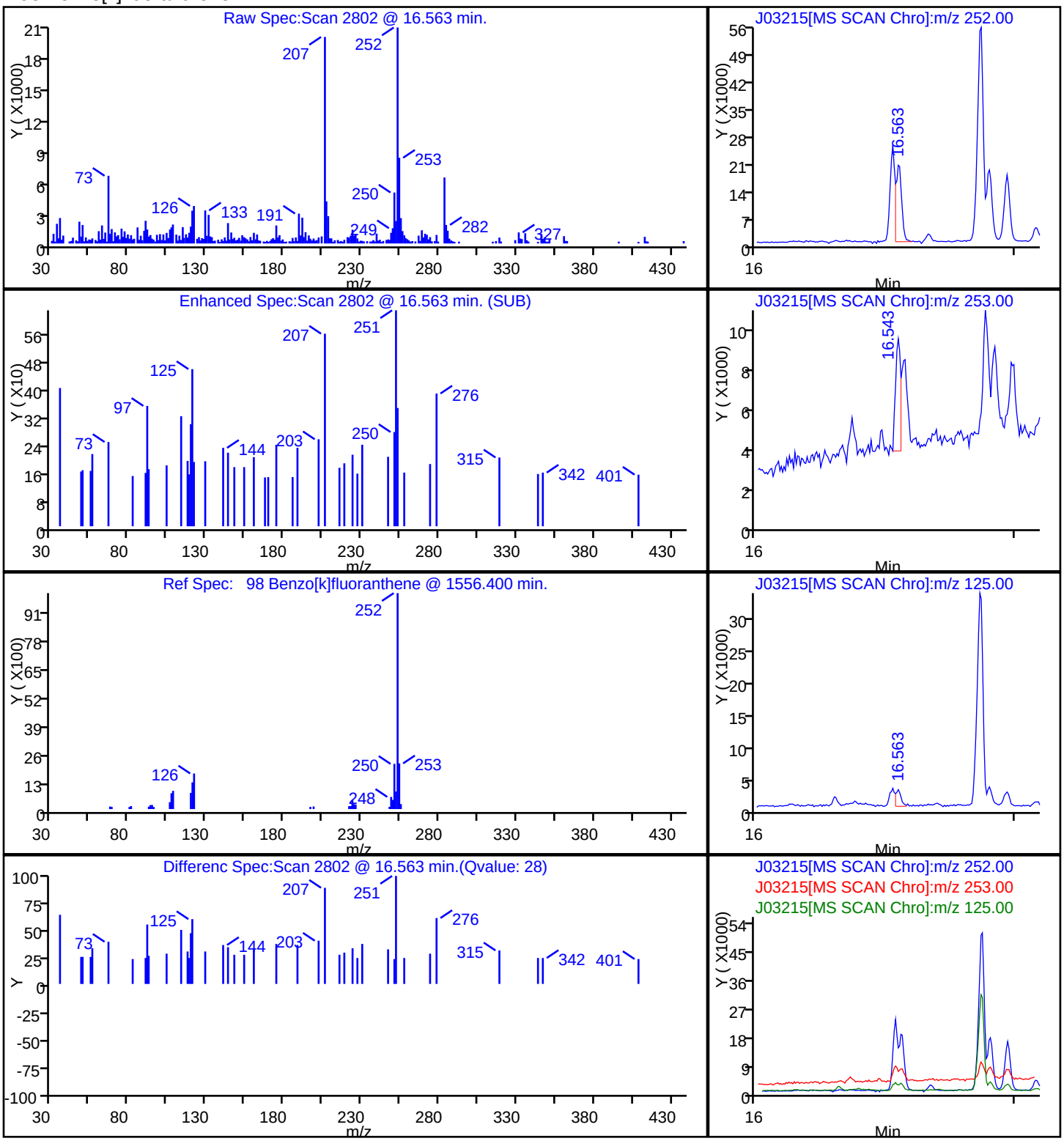
102 Benzo[g,h,i]perylene



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

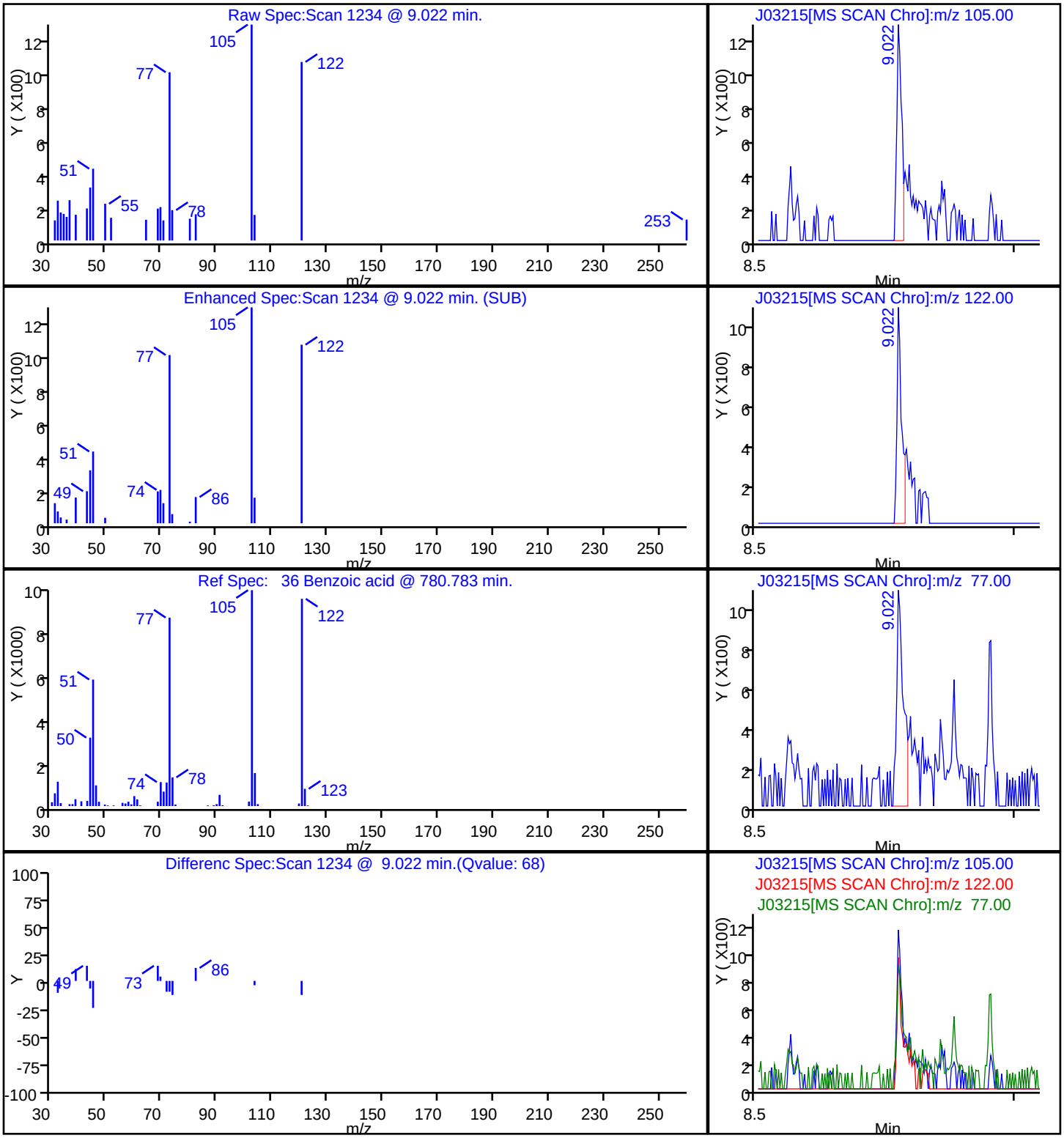
98 Benzo[k]fluoranthene



Report Date: 30-Sep-2009 09:31:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

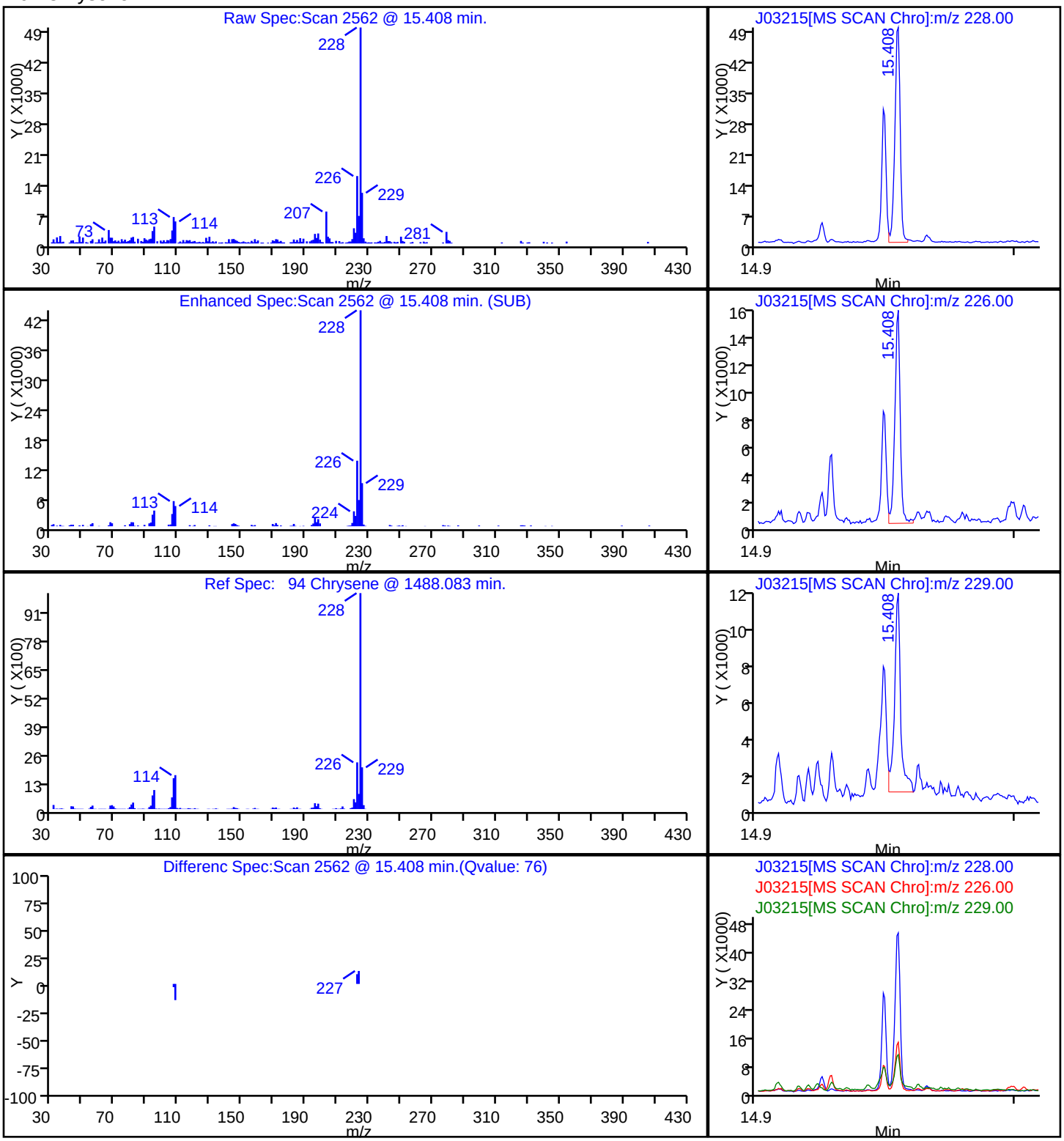
36 Benzoic acid



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

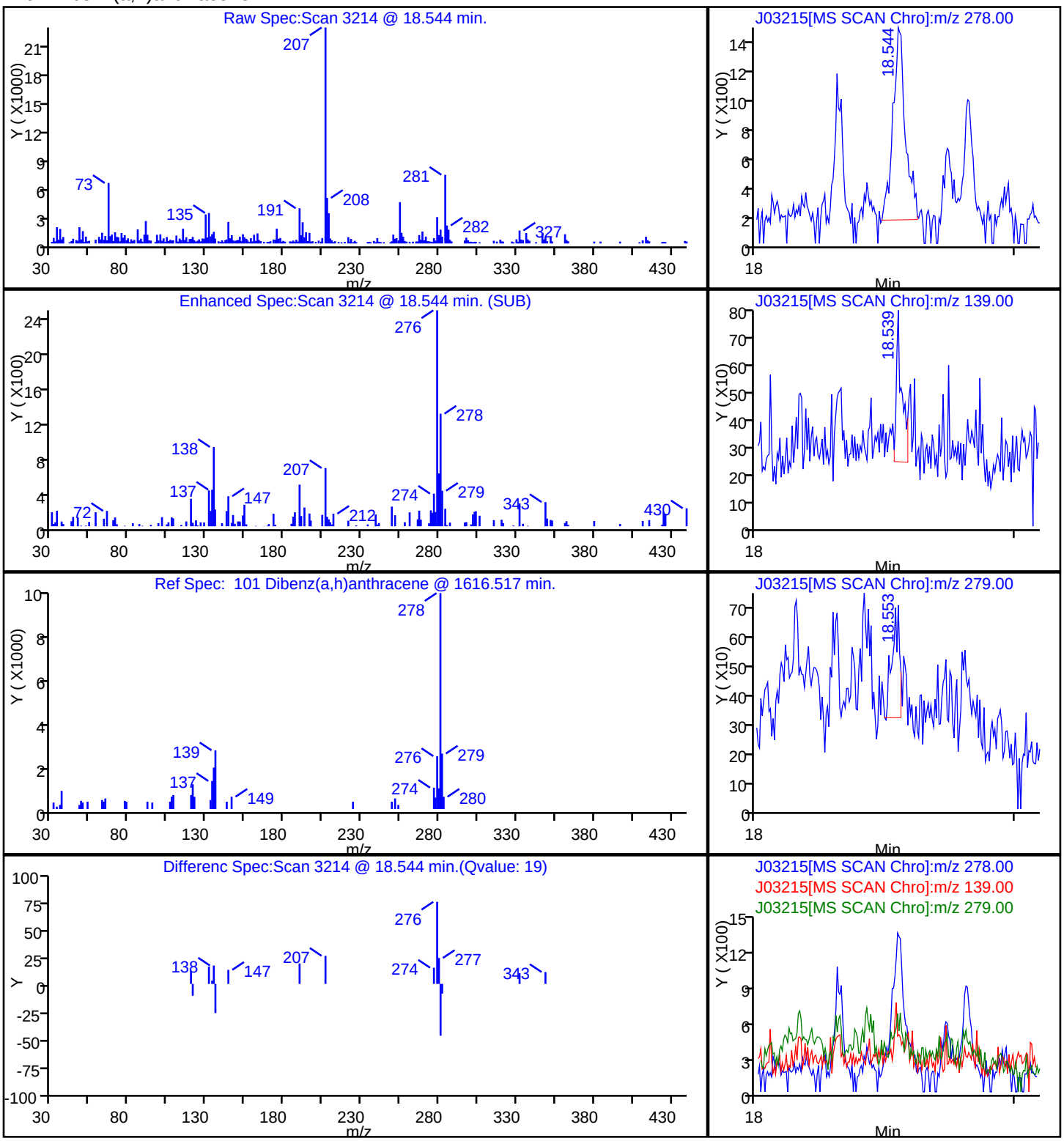
94 Chrysene



Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

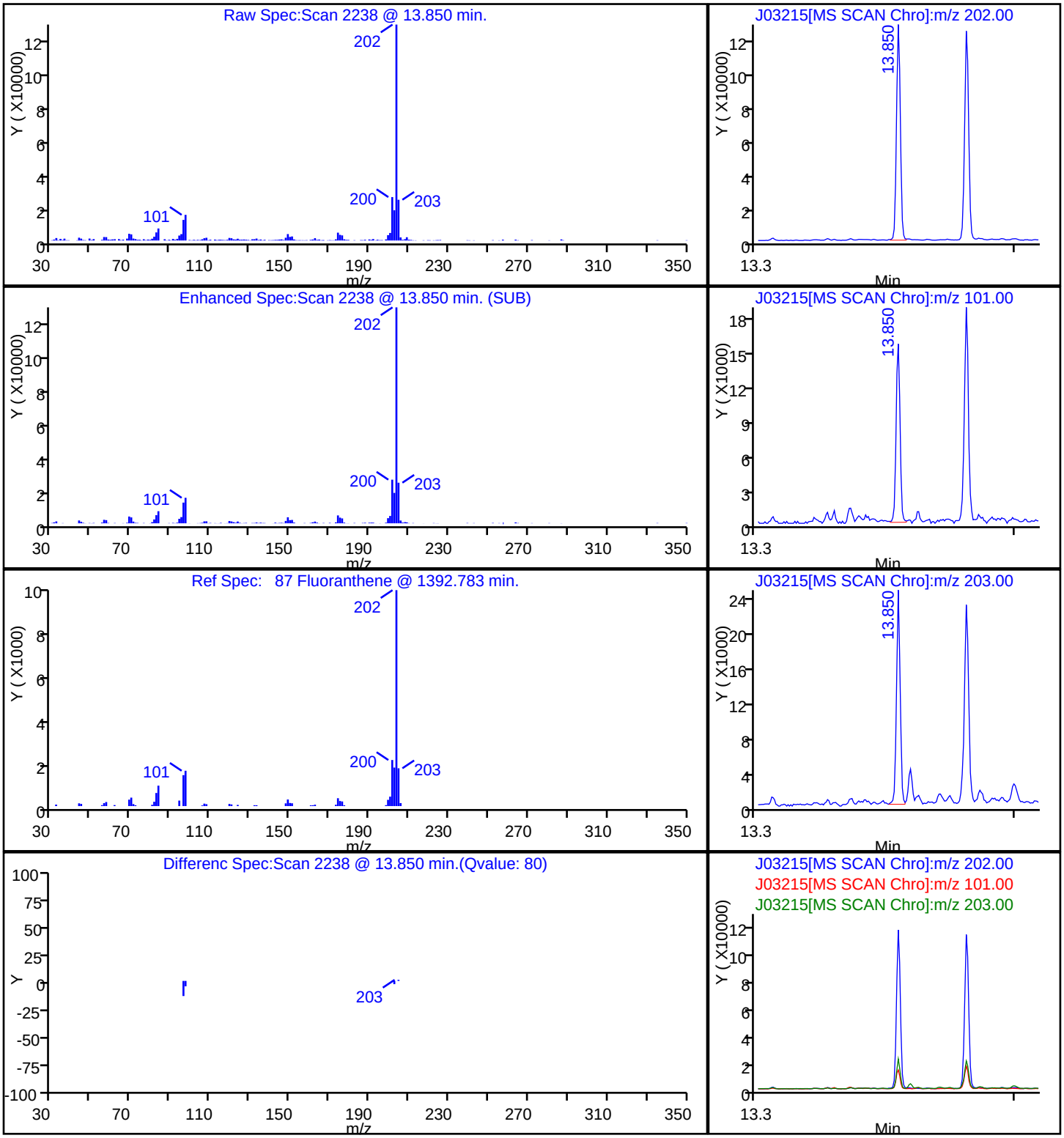
101 Dibenz(a,h)anthracene



Report Date: 30-Sep-2009 09:31:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

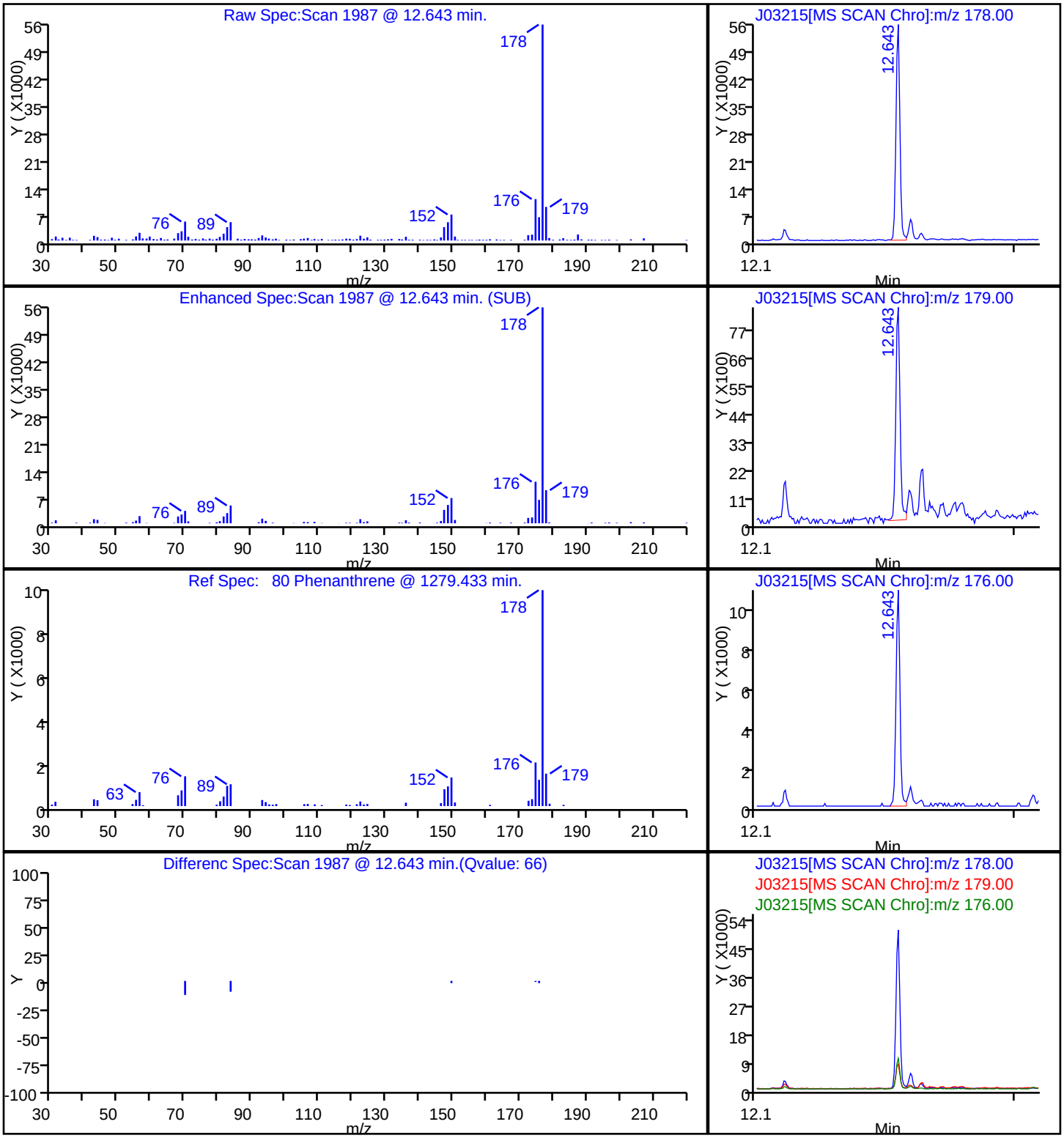
87 Fluoranthene



Report Date: 30-Sep-2009 09:31:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

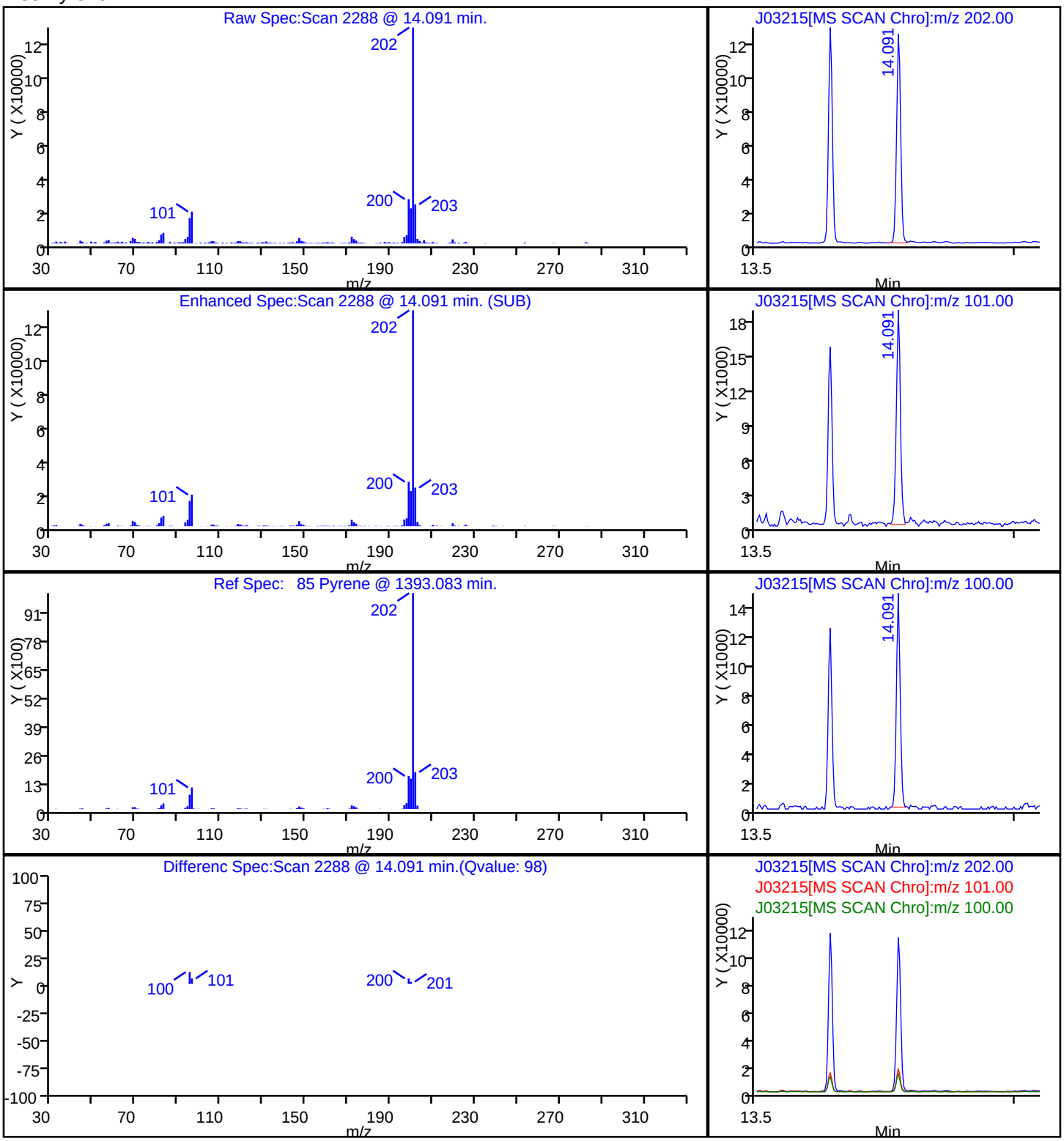
80 Phenanthrene



Report Date: 30-Sep-2009 09:31:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



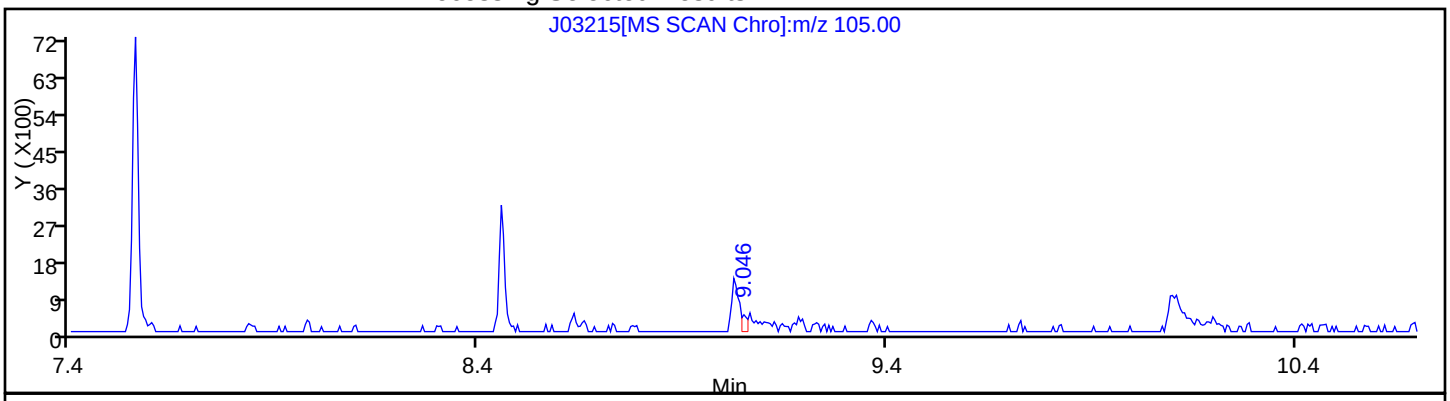
Chrom Revision: 1.1 20-Sep-2009 21:03:36

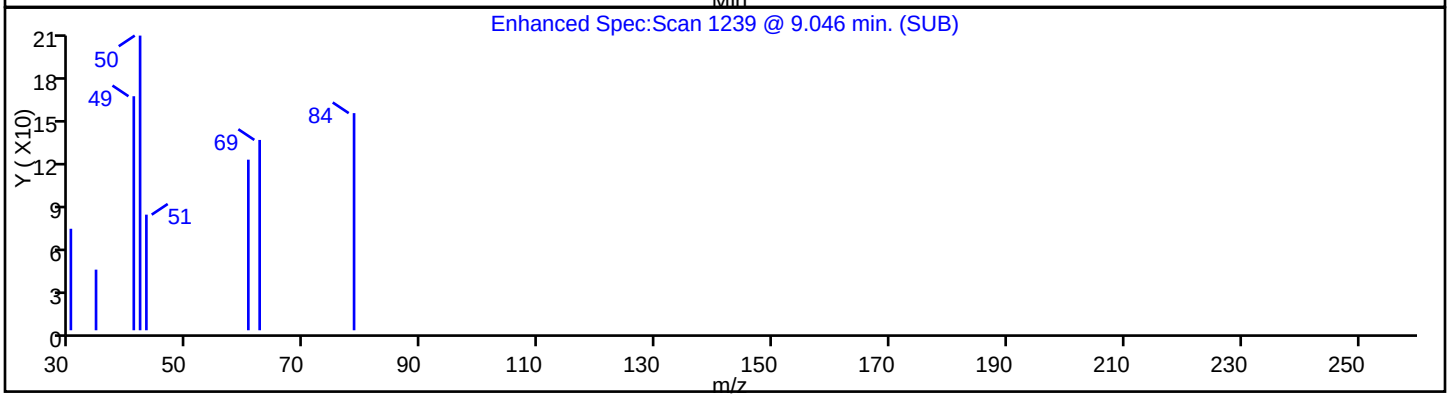
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D		
Inj Date:	29-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	34
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-17-d 10X		
Sample Amount:	1.00 ul	Operator:	

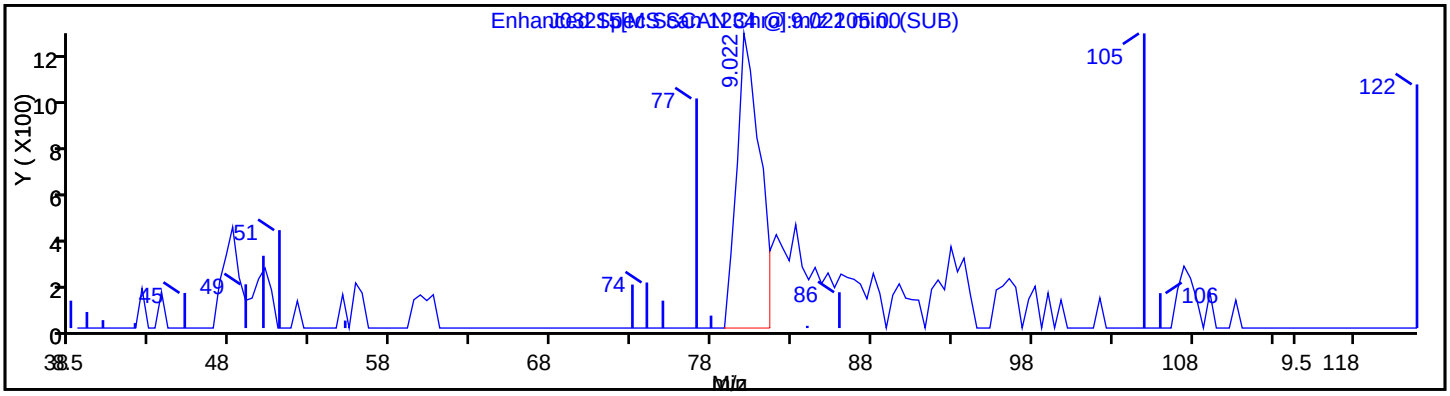
36 Benzoic acid

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 30-Sep-2009 09:31:23

Audit Action: Selected Alternate Hit

Audit Reason:

Report Date: 30-Sep-2009 09:31:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

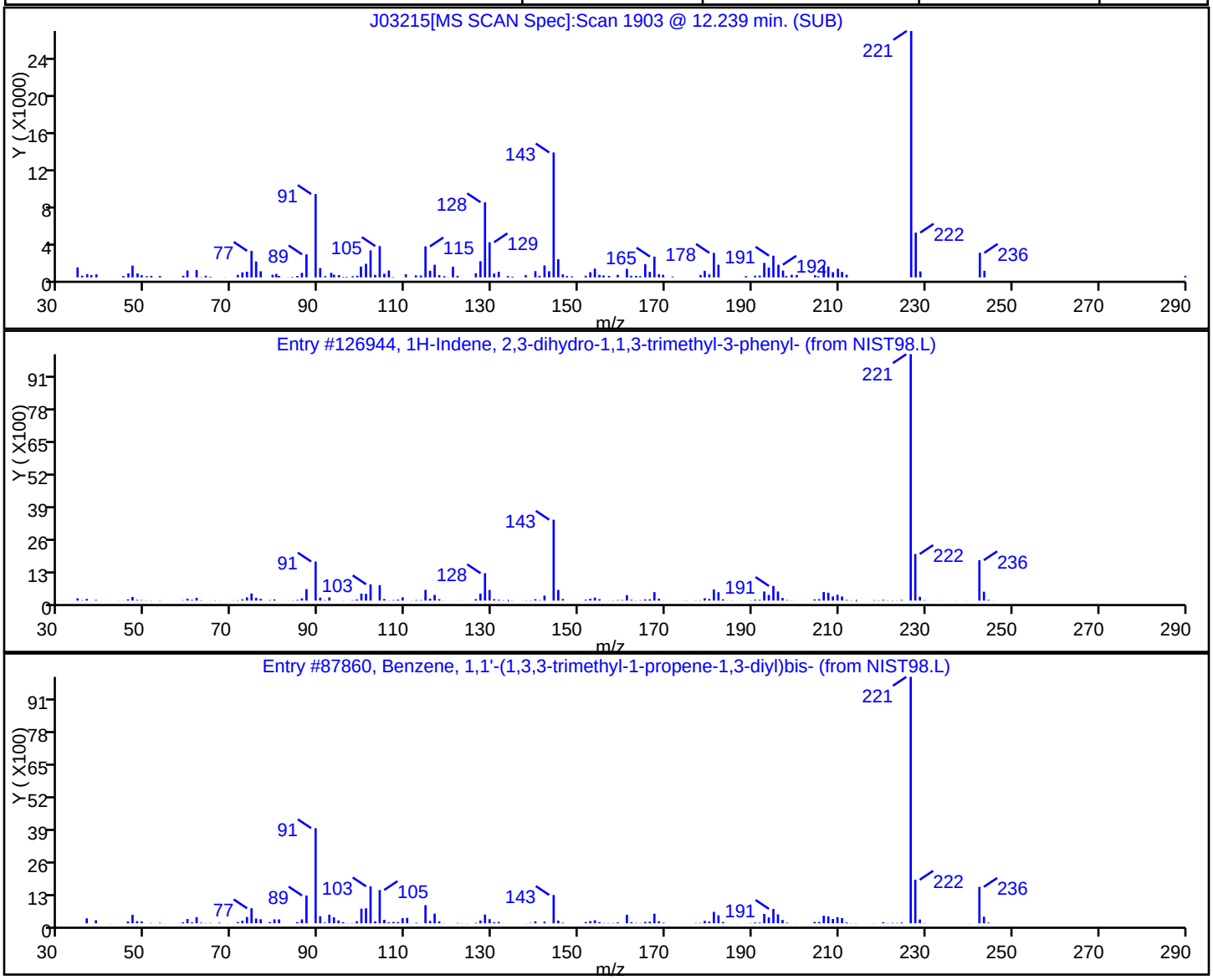
Lims Batch ID: 49648 Lims Sample ID: 34

Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-17-d 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	97
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	92



Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

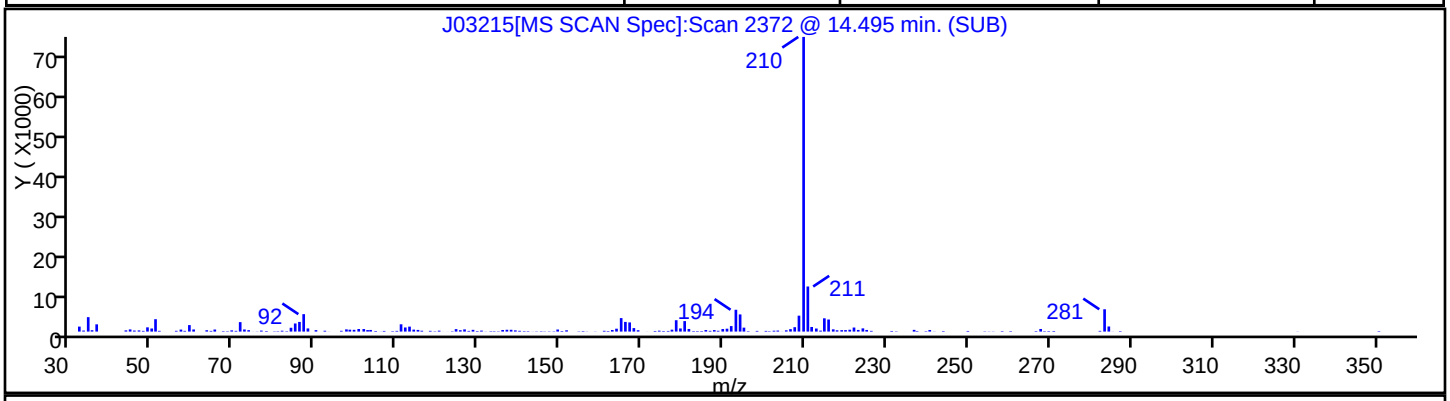
Lims Batch ID: 49648 Lims Sample ID: 34

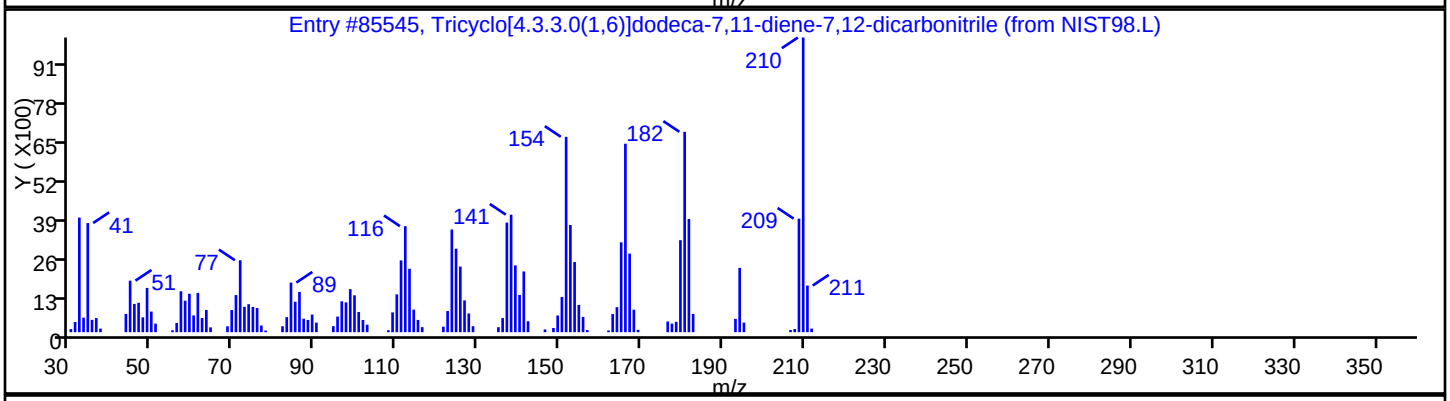
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

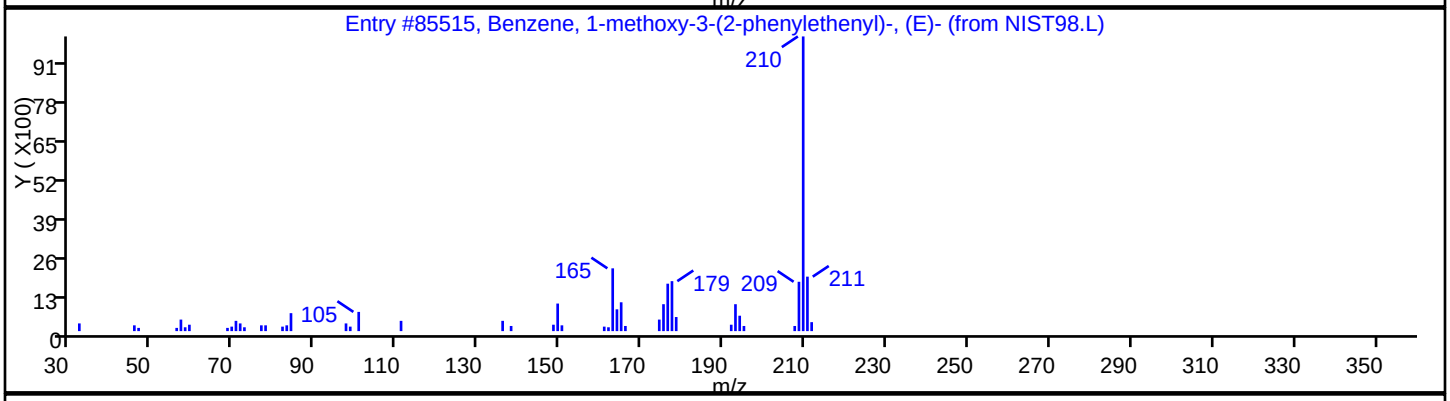
Sample Info: 360-24582-a-17-d 10X

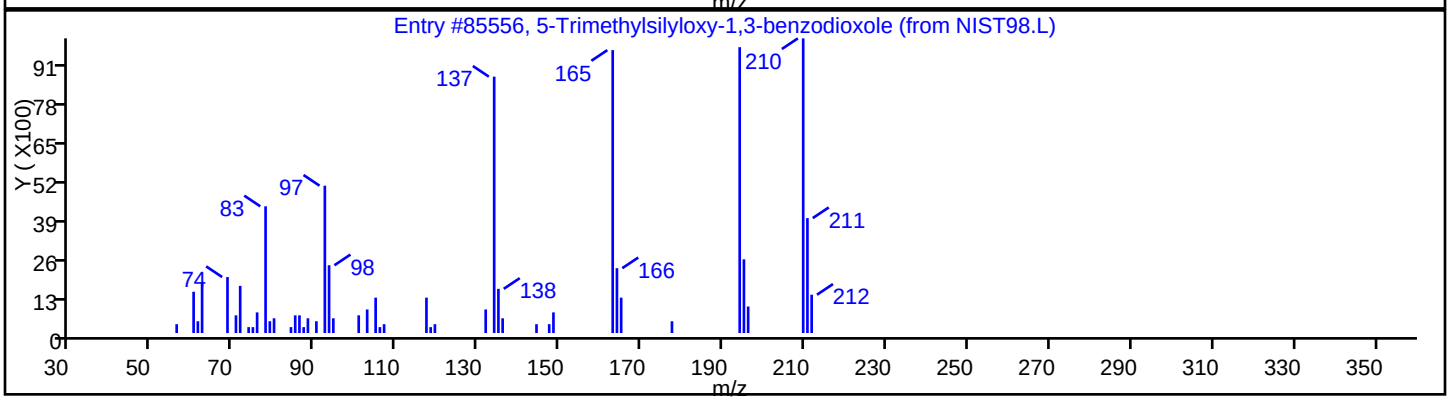
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricyclo[4.3.3.0(1,6)]dodeca-7,11-diene-	1000142-23-9	NIST98.L	85545	91
Benzene, 1-methoxy-3-(2-phenylethenyl)-,	14064-41-6	NIST98.L	85515	64
5-Trimethylsilyloxy-1,3-benzodioxole	17903-26-3	NIST98.L	85556	64









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

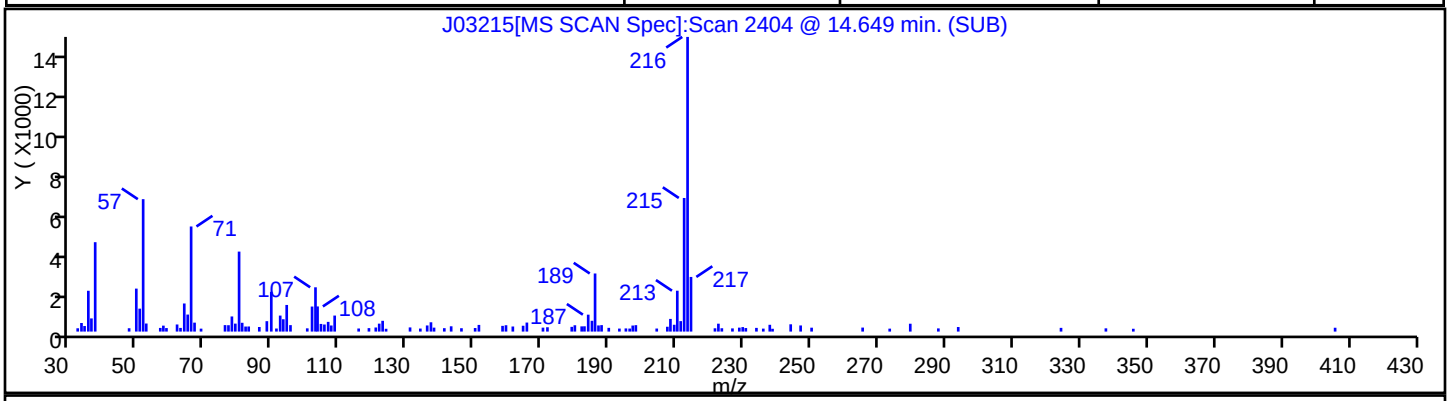
Lims Batch ID: 49648 Lims Sample ID: 34

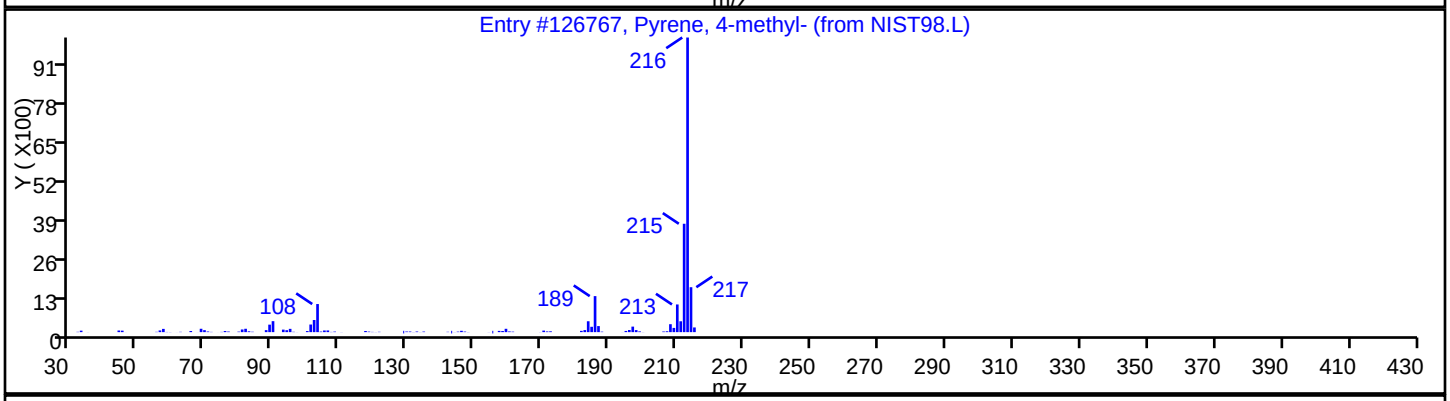
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

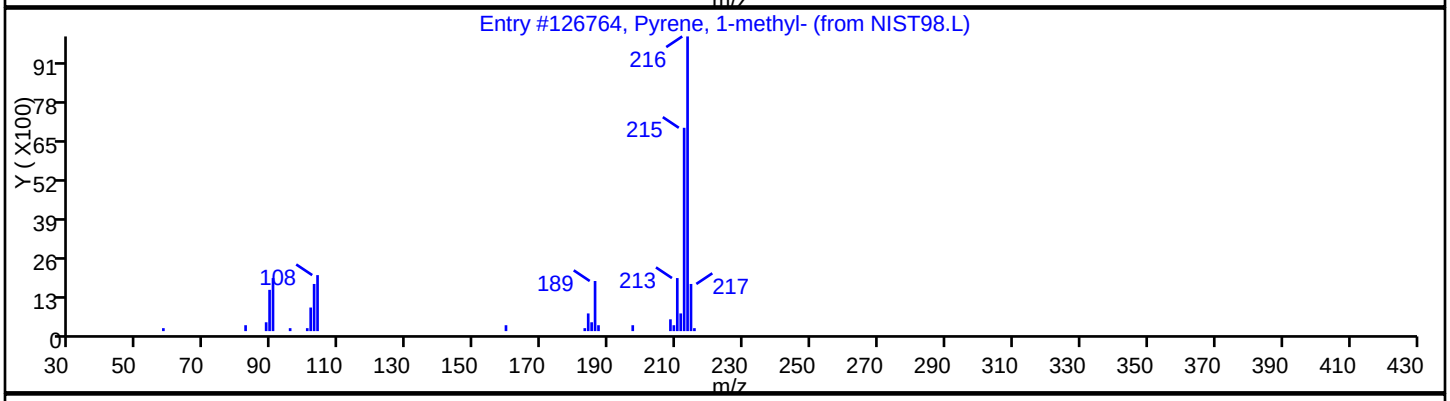
Sample Info: 360-24582-a-17-d 10X

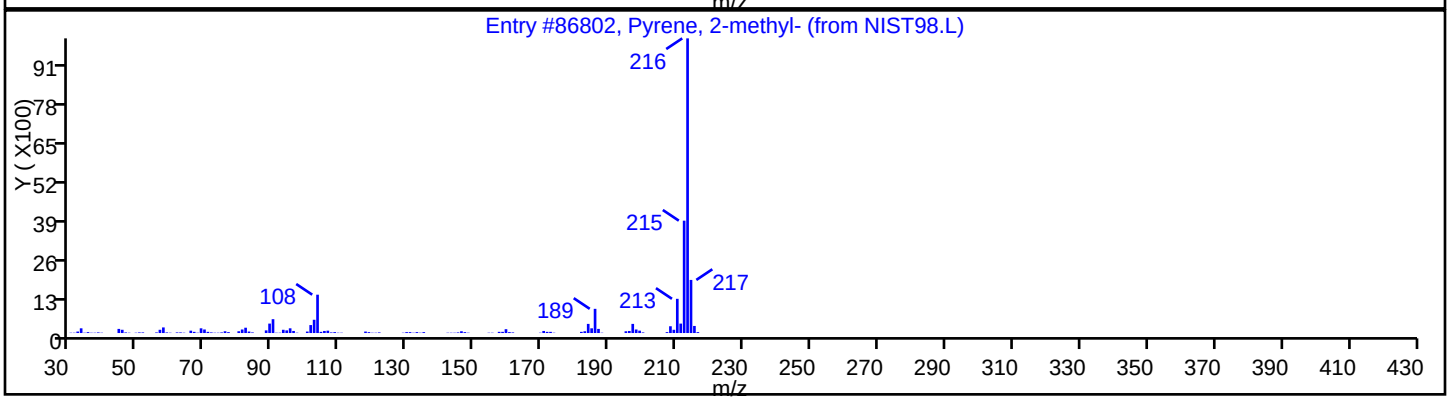
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pyrene, 4-methyl-	3353-12-6	NIST98.L	126767	94
Pyrene, 1-methyl-	2381-21-7	NIST98.L	126764	78
Pyrene, 2-methyl-	3442-78-2	NIST98.L	86802	76









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

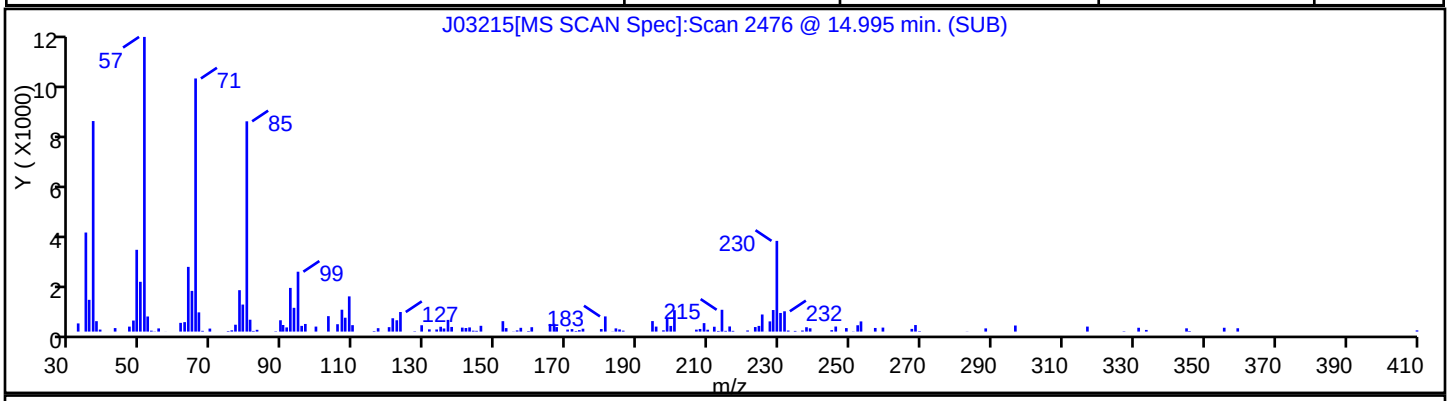
Lims Batch ID: 49648 Lims Sample ID: 34

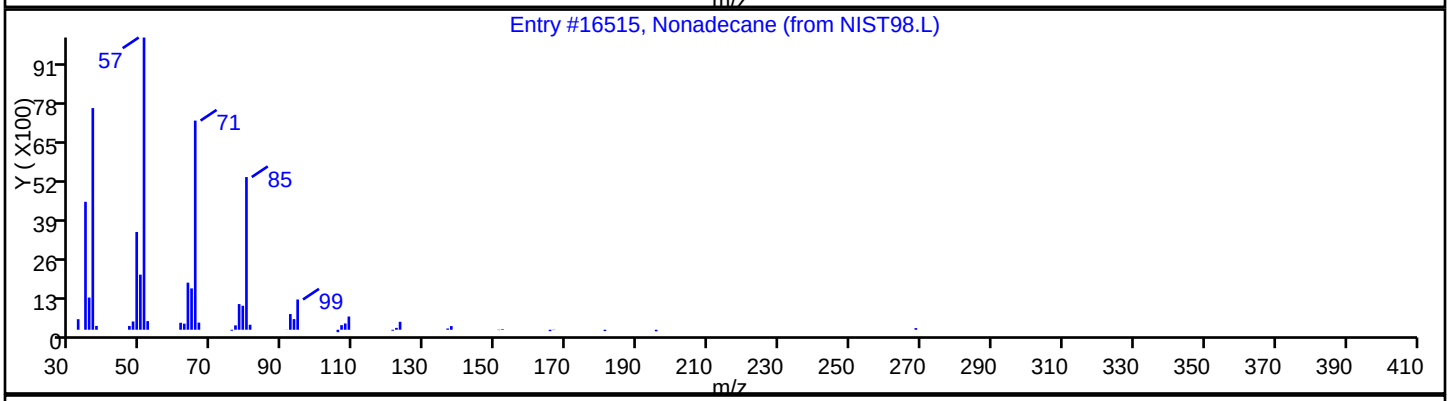
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

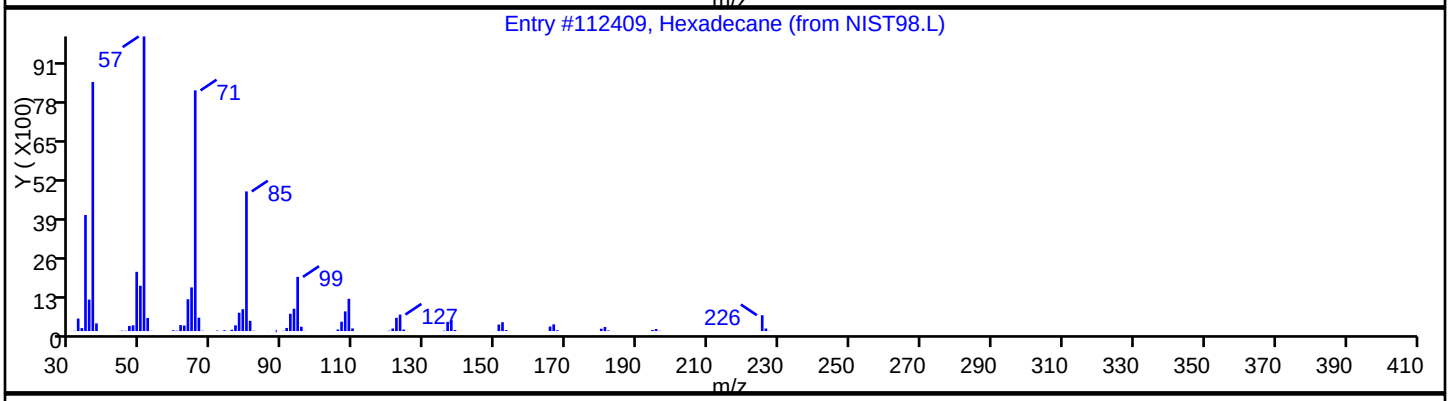
Sample Info: 360-24582-a-17-d 10X

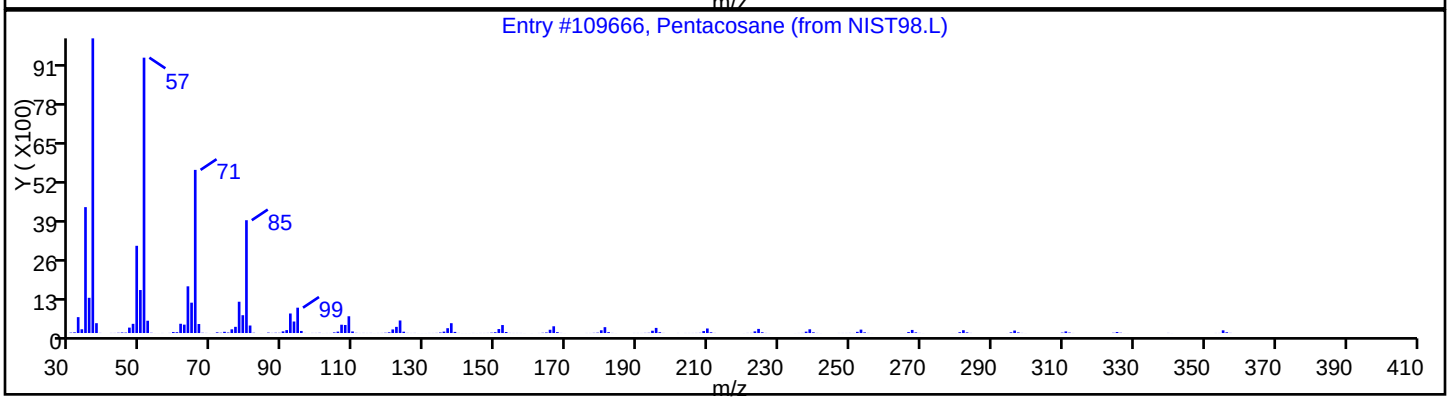
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	16515	95
Hexadecane	544-76-3	NIST98.L	112409	91
Pentacosane	629-99-2	NIST98.L	109666	90









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

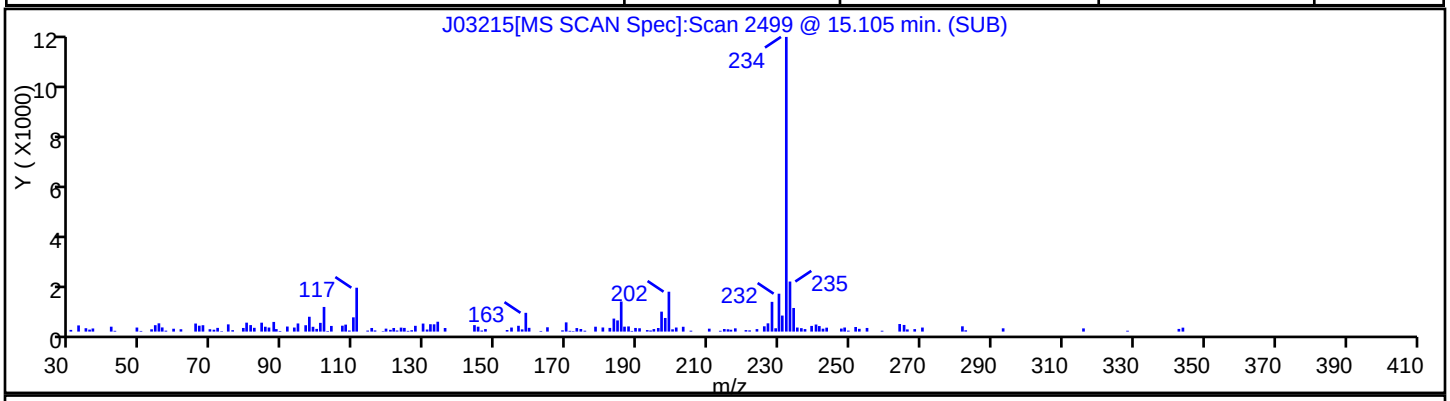
Lims Batch ID: 49648 Lims Sample ID: 34

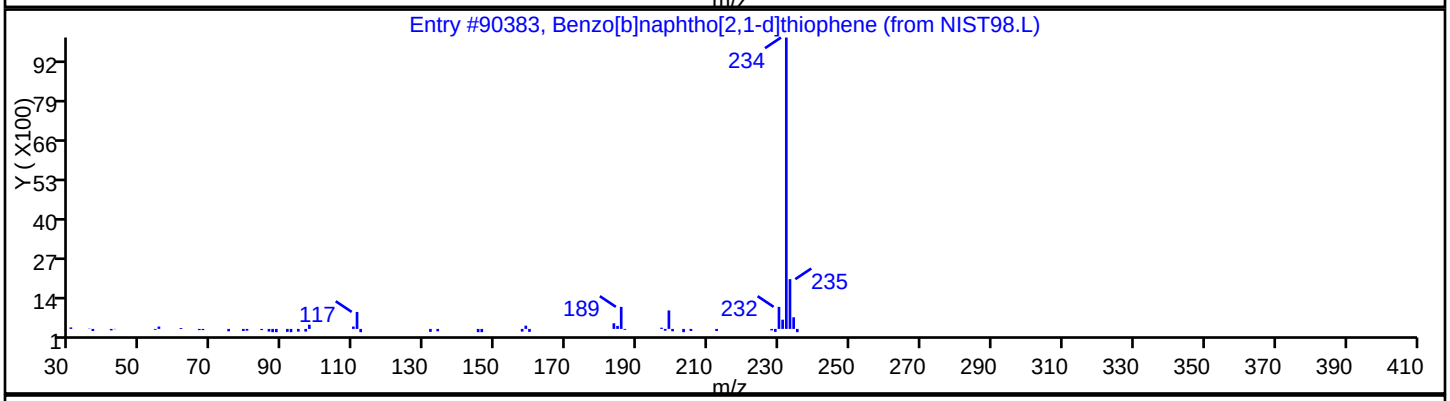
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

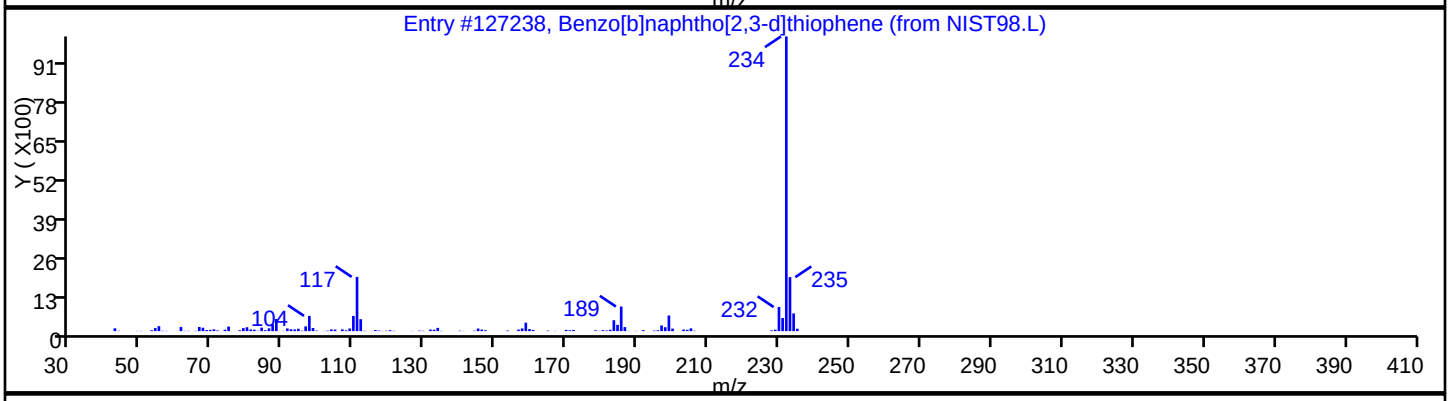
Sample Info: 360-24582-a-17-d 10X

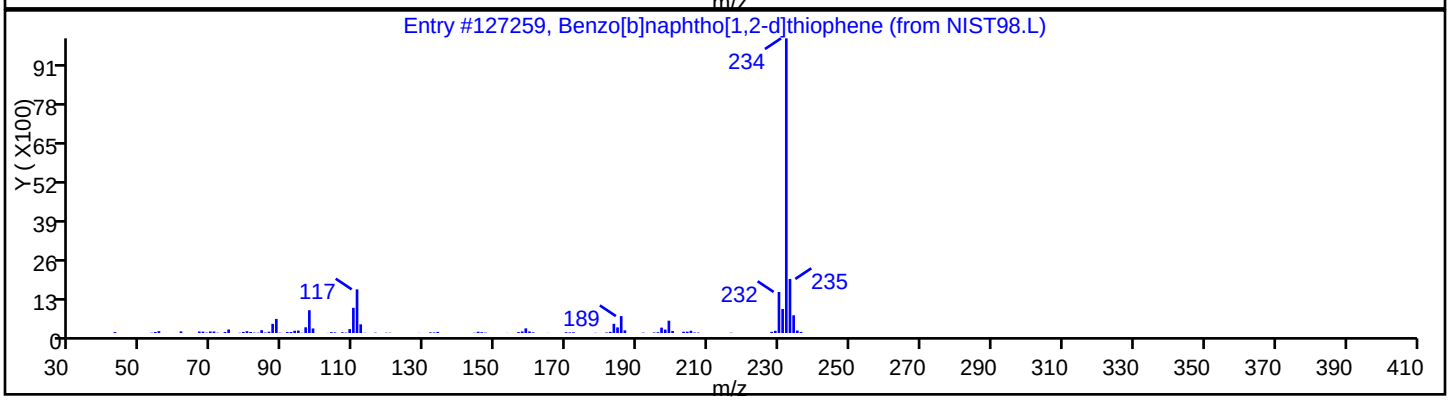
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST98.L	90383	97
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST98.L	127238	93
Benzo[b]naphtho[1,2-d]thiophene	205-43-6	NIST98.L	127259	72









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

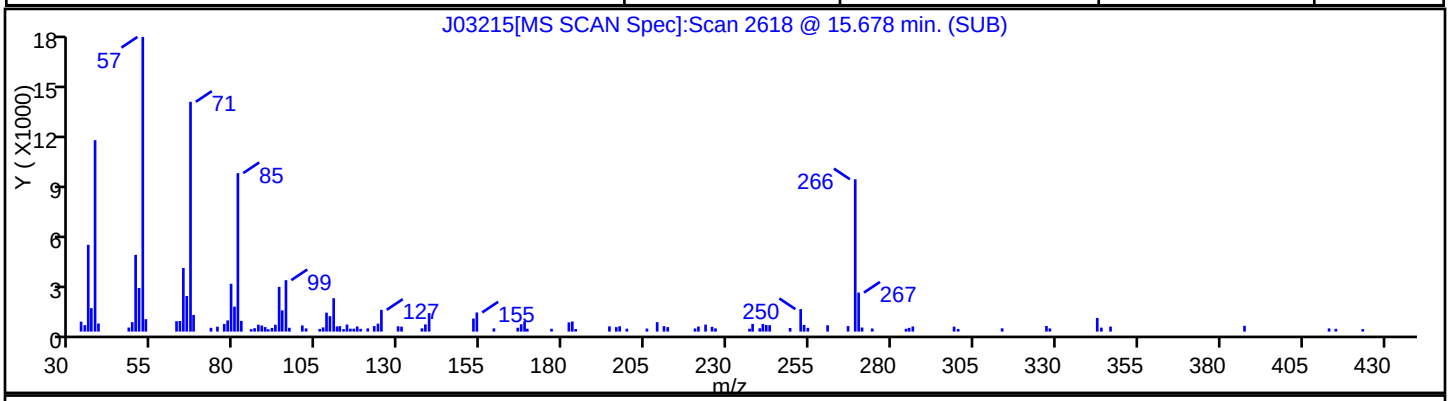
Lims Batch ID: 49648 Lims Sample ID: 34

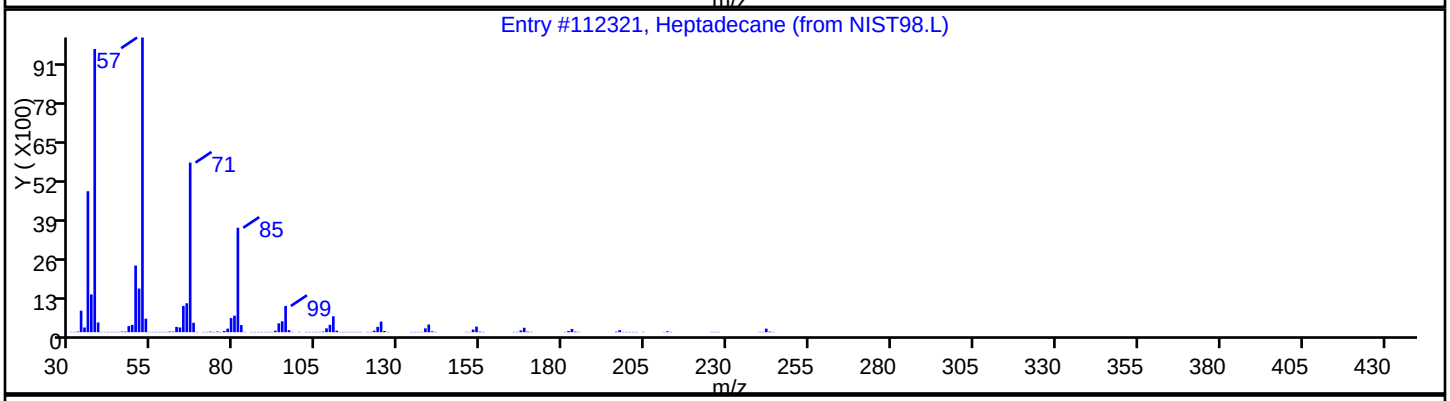
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

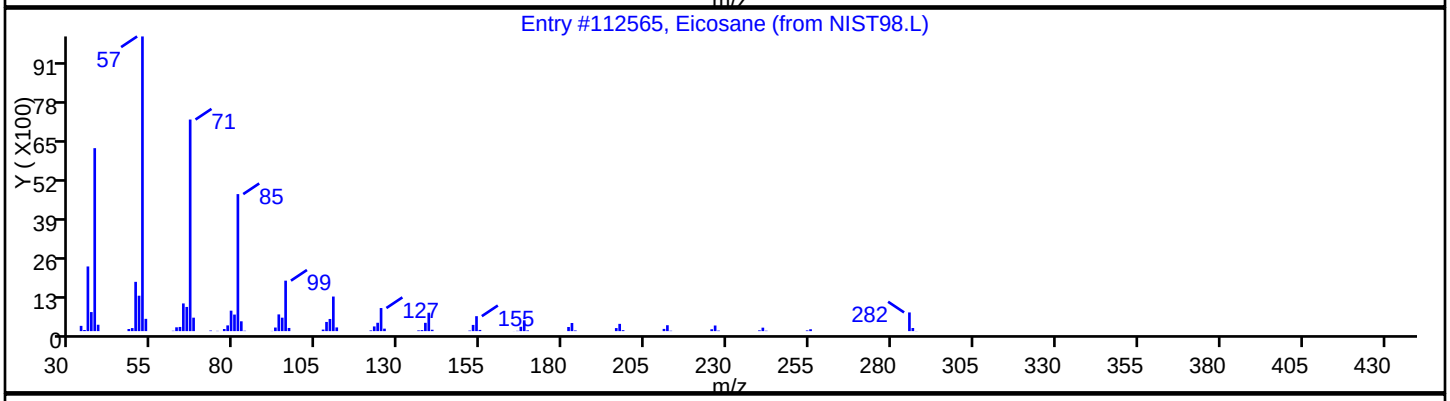
Sample Info: 360-24582-a-17-d 10X

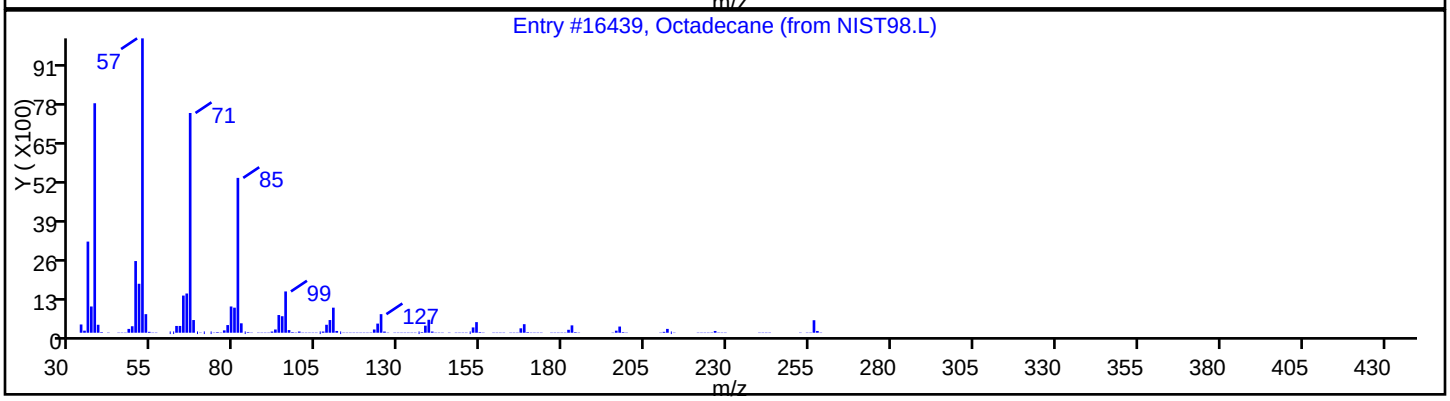
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112321	96
Eicosane	112-95-8	NIST98.L	112565	93
Octadecane	593-45-3	NIST98.L	16439	93









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

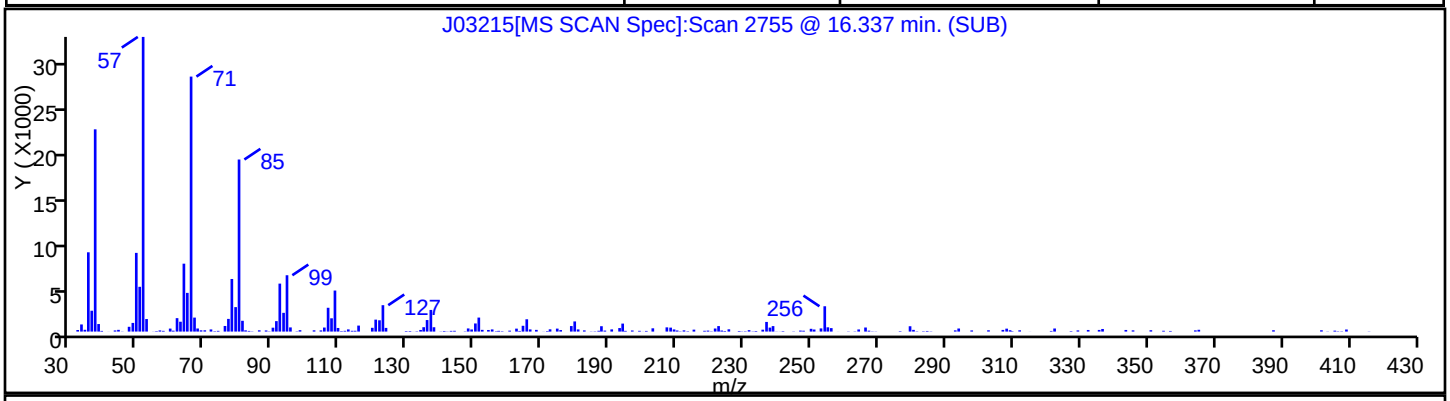
Lims Batch ID: 49648 Lims Sample ID: 34

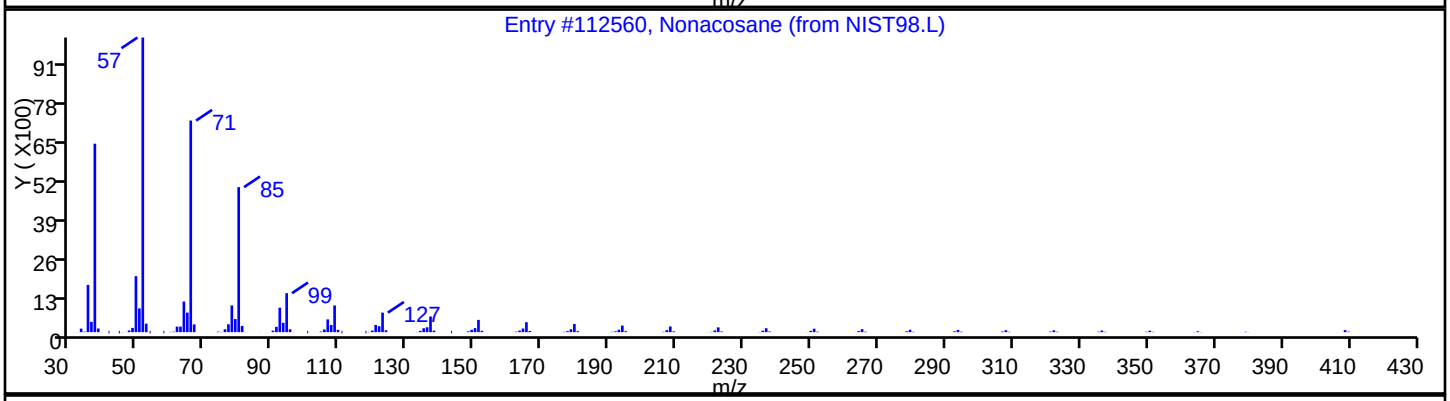
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

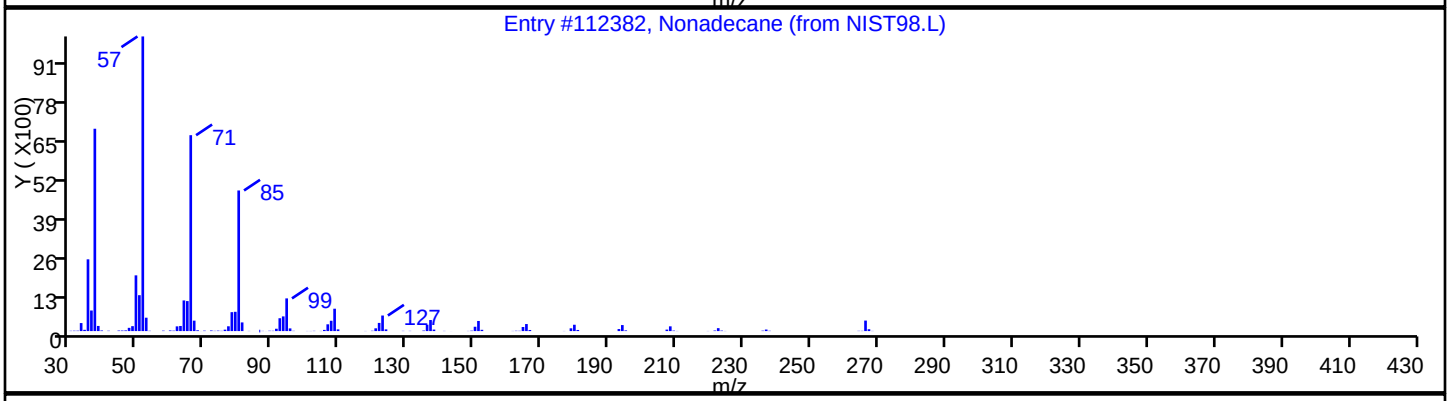
Sample Info: 360-24582-a-17-d 10X

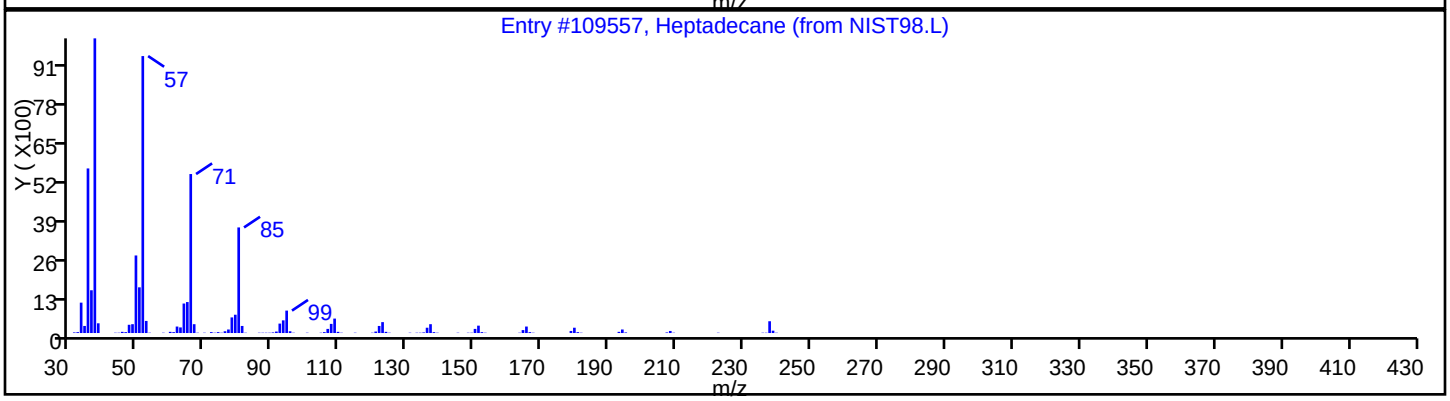
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	95
Nonadecane	629-92-5	NIST98.L	112382	94
Heptadecane	629-78-7	NIST98.L	109557	94









Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

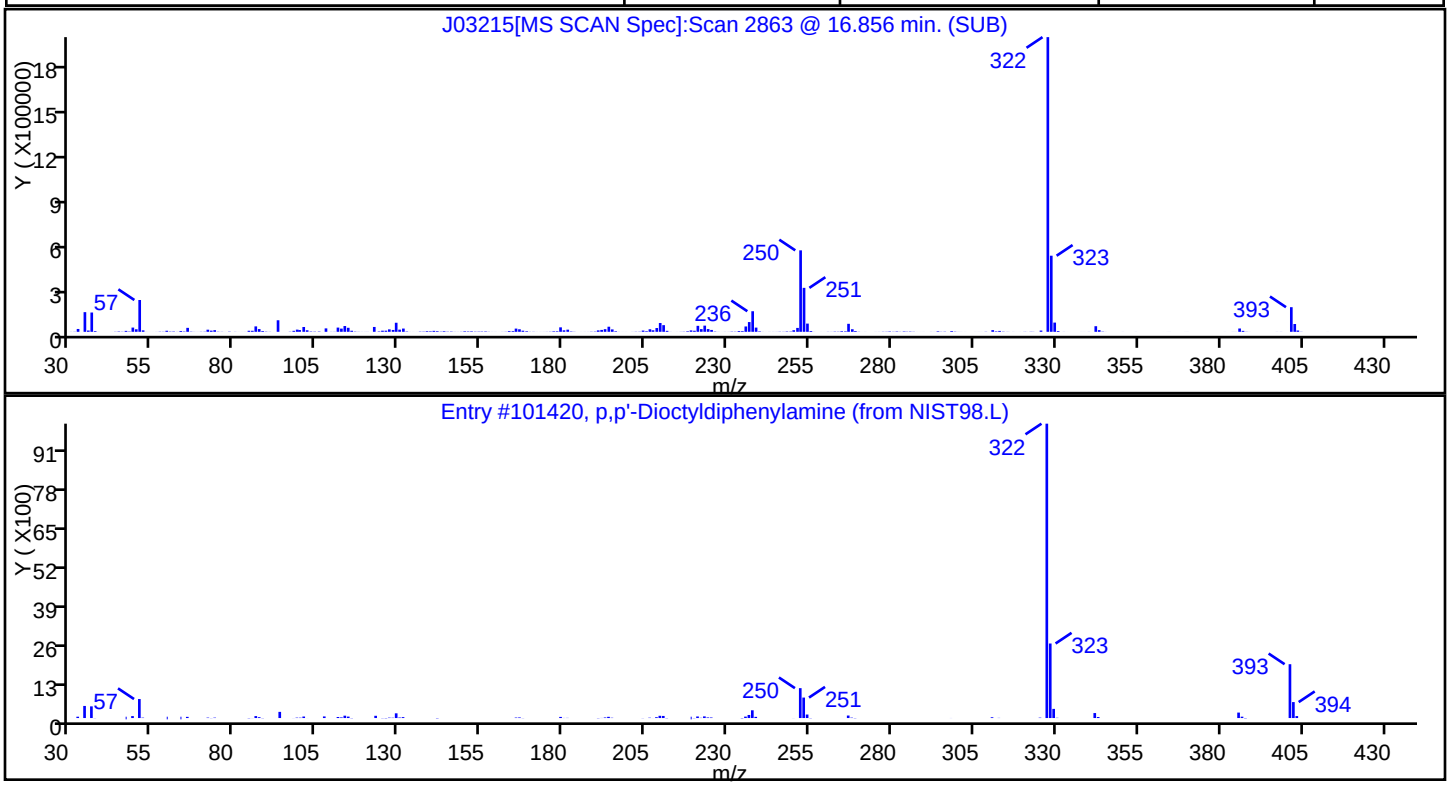
Lims Batch ID: 49648 Lims Sample ID: 34

Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-17-d 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	97



Report Date: 30-Sep-2009 09:31:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03215.D

Inj Date: 29-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 34

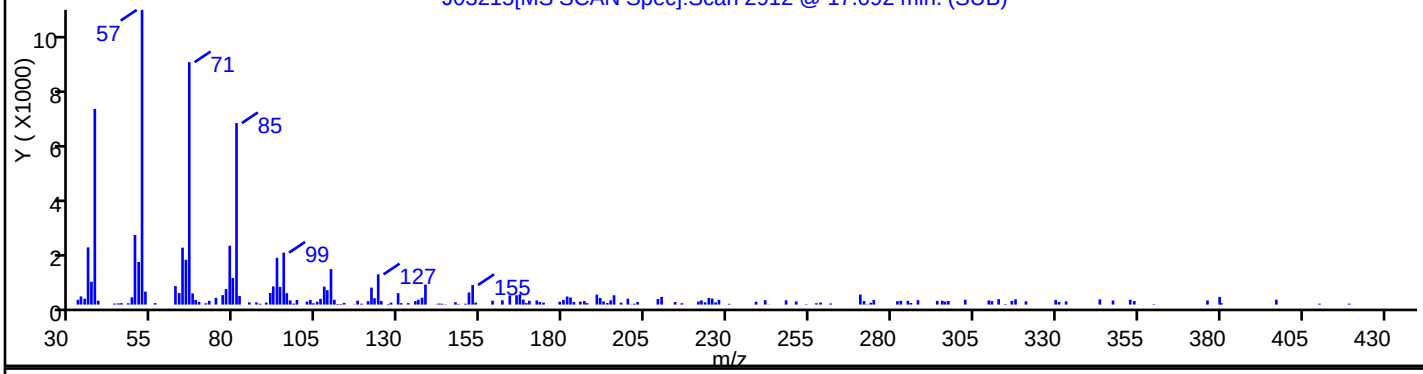
Client ID: OC-SS-412-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-17-d 10X

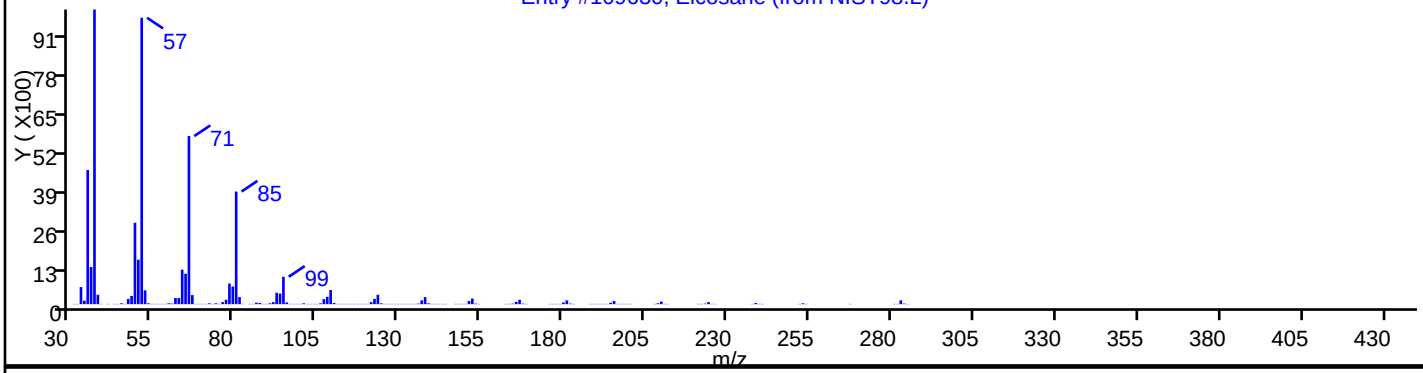
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	97
Heneicosane	629-94-7	NIST98.L	17094	95
Tetratriacontane	14167-59-0	NIST98.L	16431	91

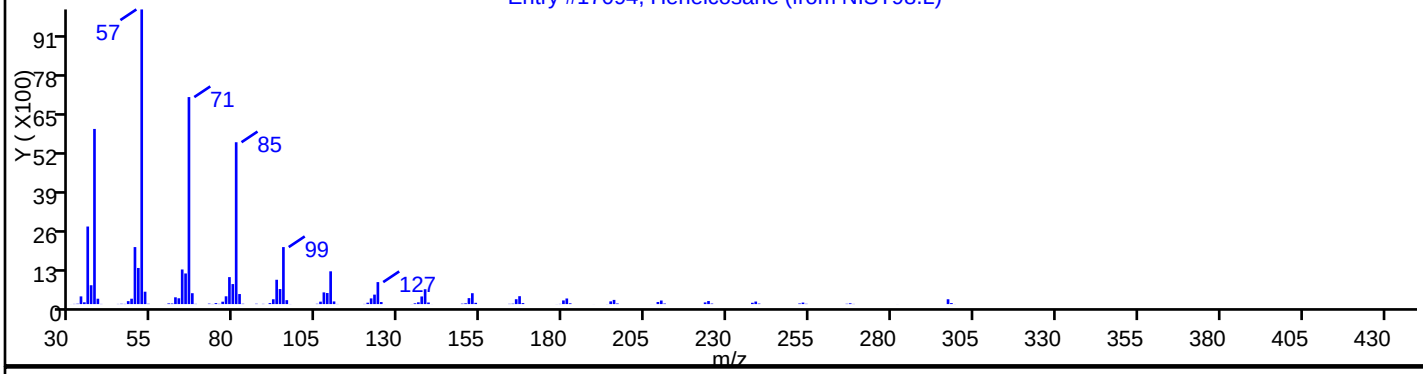
J03215[MS SCAN Spec]:Scan 2912 @ 17.092 min. (SUB)



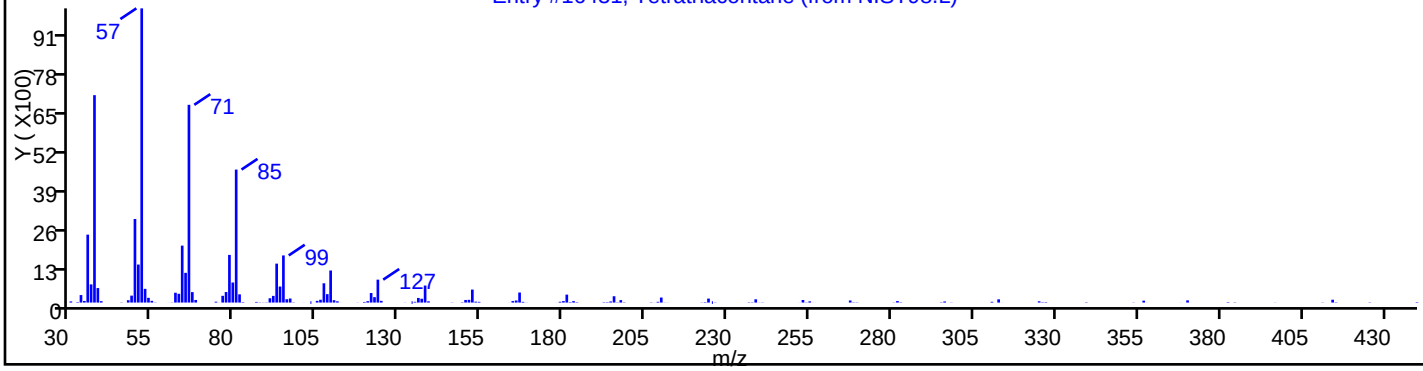
Entry #109630, Eicosane (from NIST98.L)



Entry #17094, Heneicosane (from NIST98.L)



Entry #16431, Tetratriacontane (from NIST98.L)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: J03216.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 08:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		350	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		350	110
120-82-1	1,2,4-Trichlorobenzene	ND		350	110
95-50-1	1,2-Dichlorobenzene	ND		350	110
541-73-1	1,3-Dichlorobenzene	ND		350	110
106-46-7	1,4-Dichlorobenzene	ND		350	110
90-12-0	1-Methylnaphthalene	ND		350	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		350	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		350	110
95-95-4	2,4,5-Trichlorophenol	ND		350	110
88-06-2	2,4,6-Trichlorophenol	ND		350	110
120-83-2	2,4-Dichlorophenol	ND	*	350	110
105-67-9	2,4-Dimethylphenol	ND		350	140
51-28-5	2,4-Dinitrophenol	ND		350	110
121-14-2	2,4-Dinitrotoluene	ND		350	110
606-20-2	2,6-Dinitrotoluene	ND		350	110
91-58-7	2-Chloronaphthalene	ND		350	110
95-57-8	2-Chlorophenol	ND		350	110
91-57-6	2-Methylnaphthalene	ND		350	110
95-48-7	2-Methylphenol	ND		350	210
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		350	110
15831-10-4	3 & 4 Methylphenol	ND		350	110
91-94-1	3,3'-Dichlorobenzidine	ND		710	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		350	110
59-50-7	4-Chloro-3-methylphenol	ND		710	110
106-47-8	4-Chloroaniline	ND		710	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		350	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		350	110
208-96-8	Acenaphthylene	ND		350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: J03216.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 08:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		350	110
62-53-3	Aniline	ND	*	350	110
120-12-7	Anthracene	ND		350	110
1912-24-9	Atrazine	ND		350	110
103-33-3	Azobenzene	ND		350	110
100-52-7	Benzaldehyde	ND		350	110
56-55-3	Benzo[a]anthracene	ND		350	110
50-32-8	Benzo[a]pyrene	ND		350	110
205-99-2	Benzo[b]fluoranthene	ND		350	110
191-24-2	Benzo[g,h,i]perylene	ND		350	110
207-08-9	Benzo[k]fluoranthene	ND		350	110
65-85-0	Benzoic acid	ND		1800	160
119-61-9	Benzophenone	ND		350	110
100-51-6	Benzyl alcohol	ND		710	300
111-91-1	Bis(2-chloroethoxy)methane	ND		350	110
111-44-4	Bis(2-chloroethyl)ether	ND		350	110
117-81-7	Bis(2-ethylhexyl) phthalate	2100	B	350	110
85-68-7	Butyl benzyl phthalate	ND		350	110
105-60-2	Caprolactam	ND		350	110
86-74-8	Carbazole	ND		350	110
218-01-9	Chrysene	ND		350	110
53-70-3	Dibenz(a,h)anthracene	ND		350	110
132-64-9	Dibenzofuran	ND		350	110
84-66-2	Diethyl phthalate	ND		350	110
131-11-3	Dimethyl phthalate	ND		350	110
84-74-2	Di-n-butyl phthalate	ND		350	310
117-84-0	Di-n-octyl phthalate	ND		350	180
101-84-8	Diphenyl oxide	ND		350	110
206-44-0	Fluoranthene	120	J	350	110
86-73-7	Fluorene	ND		350	110
118-74-1	Hexachlorobenzene	ND		350	110
87-68-3	Hexachlorobutadiene	ND		350	110
77-47-4	Hexachlorocyclopentadiene	ND		710	110
67-72-1	Hexachloroethane	ND		350	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: J03216.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 08:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	350	110
78-59-1	Isophorone	ND		350	110
91-20-3	Naphthalene	ND		850	110
98-95-3	Nitrobenzene	ND		350	110
62-75-9	N-Nitrosodimethylamine	ND		350	130
621-64-7	N-Nitrosodi-n-propylamine	ND		350	110
86-30-6	N-Nitrosodiphenylamine	ND		350	110
87-86-5	Pentachlorophenol	ND		350	110
85-01-8	Phenanthrene	ND		420	110
108-95-2	Phenol	ND		350	110
129-00-0	Pyrene	140	J	350	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	88	30-130	
321-60-8	2-Fluorobiphenyl	82	30-130	
367-12-4	2-Fluorophenol	77	30-130	
4165-60-0	Nitrobenzene-d5	73	30-130	
4165-62-2	Phenol-d5	77	30-130	
1718-51-0	Terphenyl-d14	96	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-414-0.0/1.0-XXX | Lab Sample ID: 360-24582-19

Matrix: Solid | Lab File ID: J03216.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 11:55

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.34(g) | Date Analyzed: 09/29/2009 08:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 75021

CAS NO.	COMPOUND NAME	RT	RESULT	Q
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	11.63	78	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	190	T J N
112-61-8	Octadecanoic acid, methyl ester	13.68	83	T J N
544-76-3	Hexadecane	15.34	140	T J N
7683-64-9	Squalene	16.19	330	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.86	73000	T J N
544-76-3	Hexadecane	17.09	1200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D		
Lims ID:	360-24582-A-19-C	Client ID:	OC-SS-414-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 08:11:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-19-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	35
Lims Batch ID:	49648	Lims Sample ID:	35
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:49:34	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:49:34

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.036	-0.002	54116	2.00	
* 2 Naphthalene-d8	136	9.347	9.349	-0.002	136443	2.00	
* 3 Acenaphthene-d10	164	11.136	11.133	0.003	70426	2.00	
* 4 Phenanthrene-d10	188	12.617	12.619	-0.002	111412	2.00	
* 5 Chrysene-d12	240	15.378	15.379	-0.001	60086	2.00	
* 6 Perylene-d12	264	17.017	17.014	0.003	44964	2.00	
$ 7 2-Fluorophenol	112	6.693	6.685	0.008	12317	0.7696	
$ 8 Phenol-d5	99	7.688	7.680	0.008	14532	0.7673	
$ 9 Nitrobenzene-d5	82	8.640	8.637	0.003	7026	0.3667	
$ 10 2-Fluorobiphenyl	172	10.424	10.426	-0.002	16614	0.4079	
$ 11 2,4,6-Tribromophenol	330	11.939	11.936	0.003	3515	0.8820	
$ 12 Terphenyl-d14	244	14.199	14.201	-0.002	10370	0.4796	
17 Benzaldehyde	105	7.597	7.599	-0.002	1105	0.1118	
18 Phenol	94	7.698	7.695	0.003	515	0.0253	
19 Aniline	93	7.741	7.743	-0.002	581	0.0244	
30 Acetophenone	105	8.472	8.469	0.003	2279	0.1027	
41 Naphthalene	128	9.367	9.368	-0.002	5174	0.0946	
46 2-Methylnaphthalene	142	10.054	10.056	-0.002	4241	0.1182	
47 1-Methylnaphthalene	142	10.170	10.171	-0.001	3126	0.0895	
52 1,1'-Biphenyl	154	10.521	10.522	-0.001	3019	0.0705	
54 Phenyl ether	170	10.626	10.628	-0.002	4692	0.2069	
58 Acenaphthylene	152	10.987	10.984	0.003	1388	0.0268	
64 Dibenzofuran	168	11.319	11.321	-0.002	1726	0.0364	
80 Phenanthrene	178	12.641	12.643	-0.002	7389	0.1607	
81 Anthracene	178	12.685	12.686	-0.001	1324	0.0260	
83 Carbazole	167	12.843	12.840	0.003	989	0.0248	
84 Di-n-butyl phthalate	149	13.156	13.153	0.003	2901	0.0499	
87 Fluoranthene	202	13.853	13.850	0.003	15654	0.3397	

Report Date: 30-Sep-2009 09:49:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	14.094	14.091	0.003	13647	0.3858	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.283	0.003	124398	5.83	
93 Benzo[a]anthracene	228	15.358	15.355	0.003	4377	0.1804	
94 Chrysene	228	15.406	15.408	-0.002	6577	0.2718	
97 Benzo[b]fluoranthene	252	16.546	16.543	0.003	5644	0.2203	M
98 Benzo[k]fluoranthene	252	16.565	16.567	-0.002	4732	0.1914	M
99 Benzo[a]pyrene	252	16.945	16.947	-0.002	2326	0.1411	M
100 Indeno[1,2,3-cd]pyrene	276	18.551	18.553	-0.002	2069	0.1760	
102 Benzo[g,h,i]perylene	276	19.032	19.020	0.012	1704	0.1537	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D		
Lims ID:	360-24582-A-19-C	Client ID:	OC-SS-414-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 08:11:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-19-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	35
Lims Batch ID:	49648	Lims Sample ID:	35
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:49:34	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 09:49:34

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	11.766	2337	0.0776	
1,2-Diphenylhydrazine	11.761	968	0.0254	
Benzidine	13.810	532	0.9265	
1,4-Dioxane	3.981	84	0.1378	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-					
11.627	40563	0.2202	3	93	61171	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.242	84548	0.5293	4	98	87885	
112-61-8	Octadecanoic acid, methyl ester					
13.680	37405	0.2341	4	97	115469	
544-76-3	Hexadecane					
15.339	39330	0.4036	5	90	112409	
7683-64-9	Squalene					
16.190	90427	0.9279	5	97	114263	
26603-23-6	p,p'-Dioctyldiphenylamine					
16.859	11663930	206.4	6	98	101420	
544-76-3	Hexadecane					
17.094	186426	3.30	6	97	112410	

Report Date: 30-Sep-2009 09:49:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D
Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	11.136	368472	2.00
* 4 Phenanthrene-d10	12.617	319497	2.00
* 5 Chrysene-d12	15.378	194899	2.00
* 6 Perylene-d12	17.017	113021	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:49:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

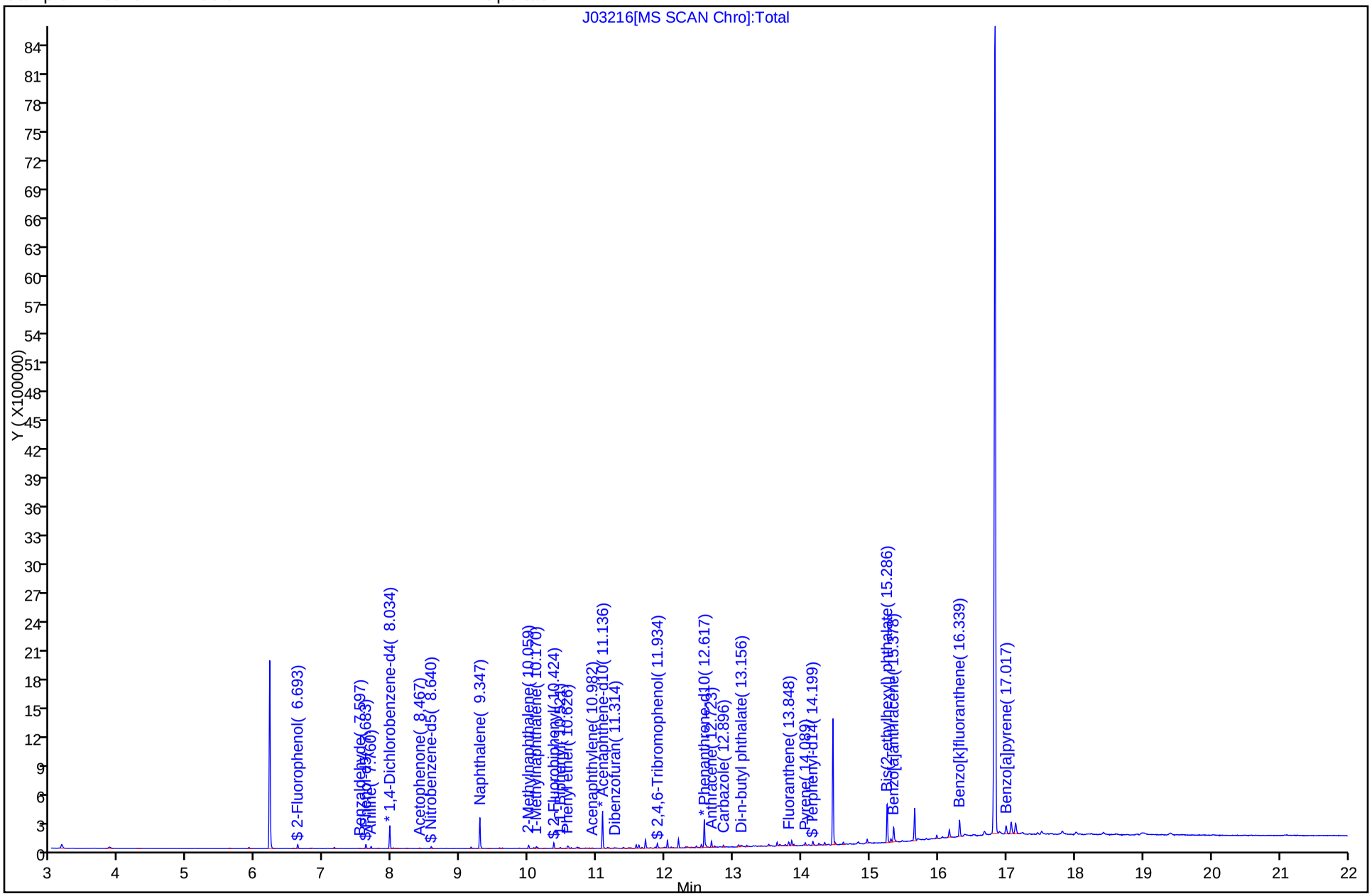
Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 35

Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-19-c 10X

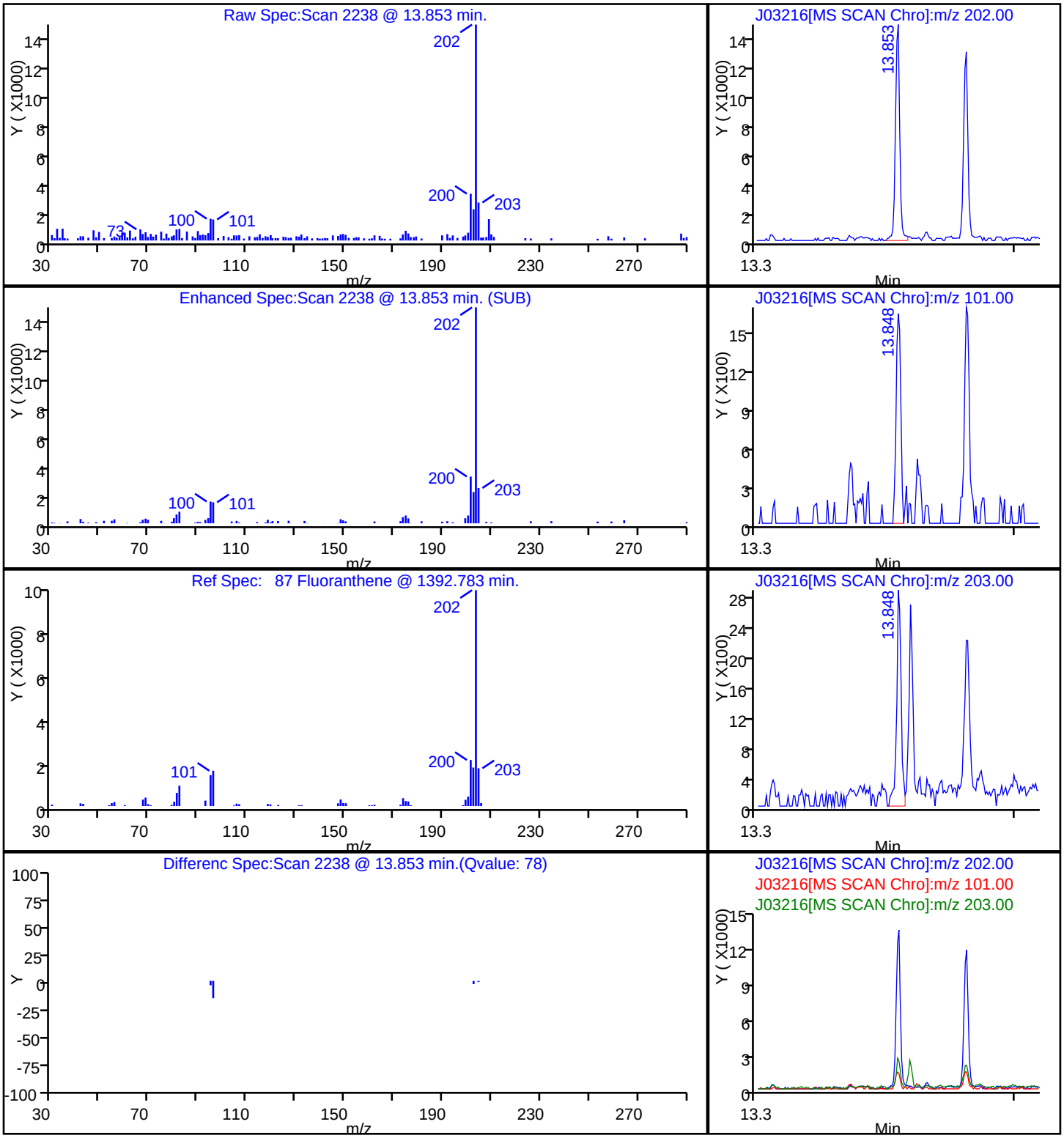
Sample Amount: 1.00 ul Operator:



Report Date: 30-Sep-2009 09:49:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D		
Inj Date:	29-Sep-2009 08:11:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	35
Client ID:	OC-SS-414-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-19-c 10X		
Sample Amount:	1.00 ul	Operator:	

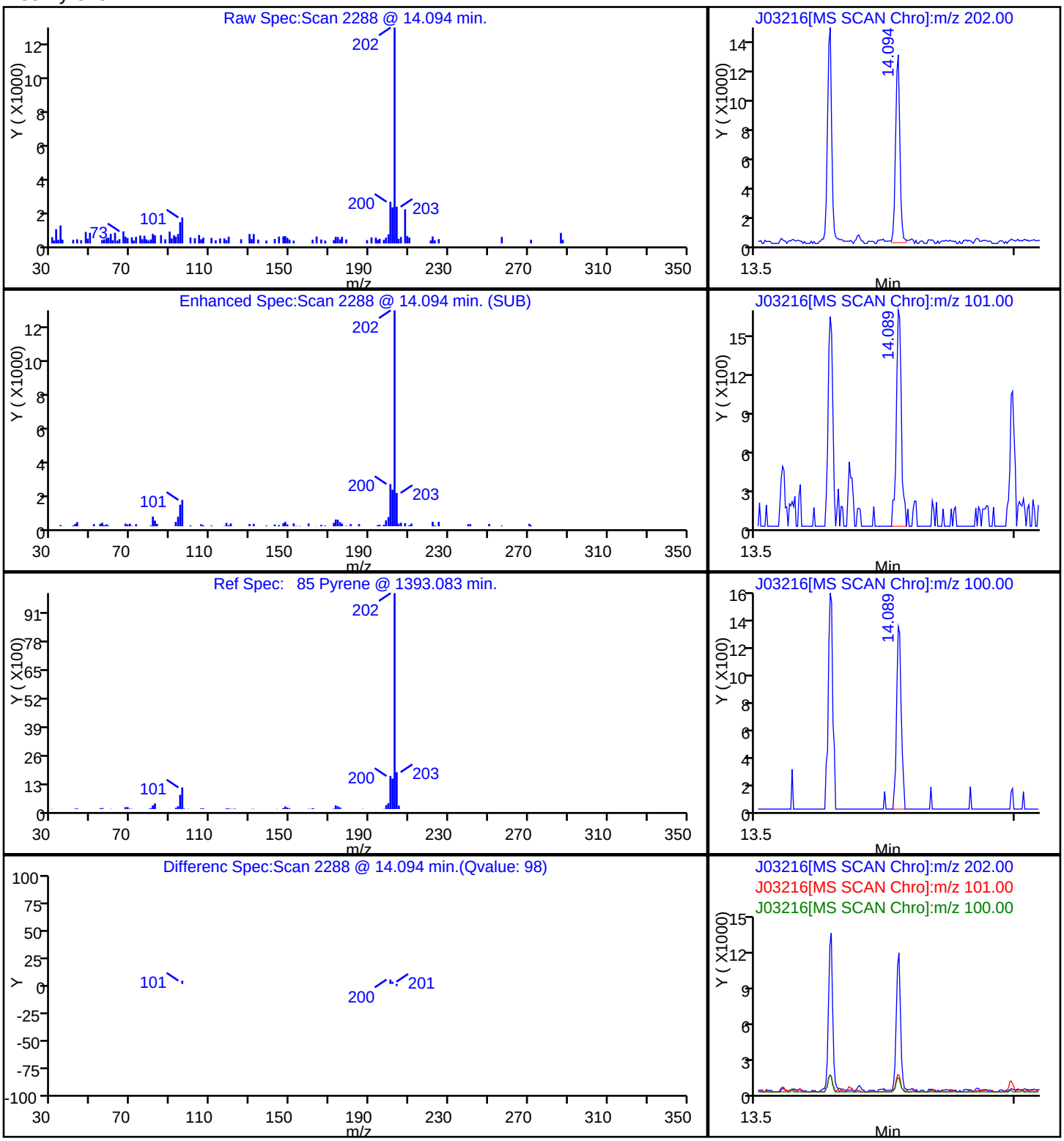
87 Fluoranthene



Report Date: 30-Sep-2009 09:49:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D		
Inj Date:	29-Sep-2009 08:11:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	35
Client ID:	OC-SS-414-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-19-c 10X		
Sample Amount:	1.00 ul	Operator:	

85 Pyrene



Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

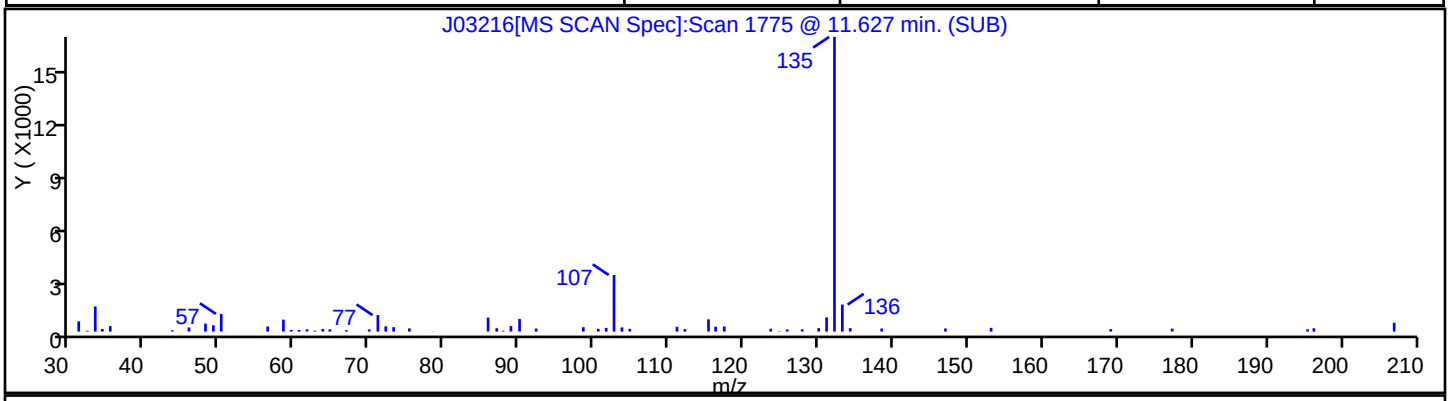
Lims Batch ID: 49648 Lims Sample ID: 35

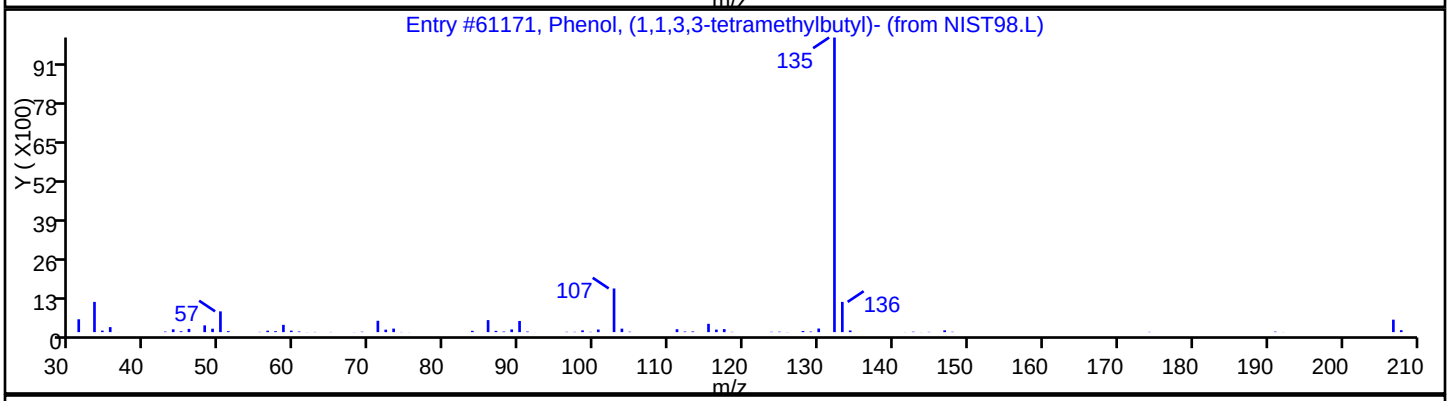
Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

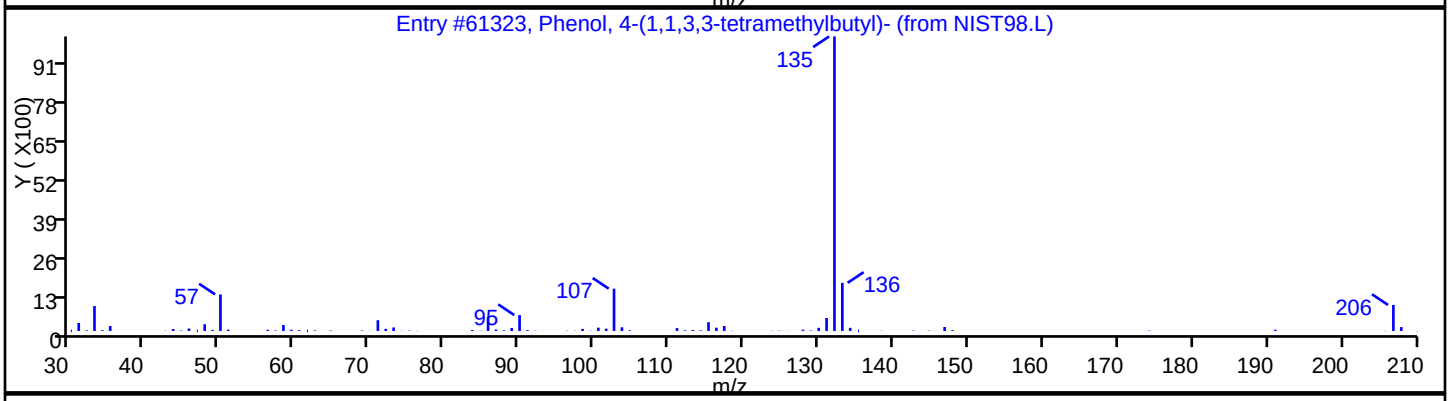
Sample Info: 360-24582-a-19-c 10X

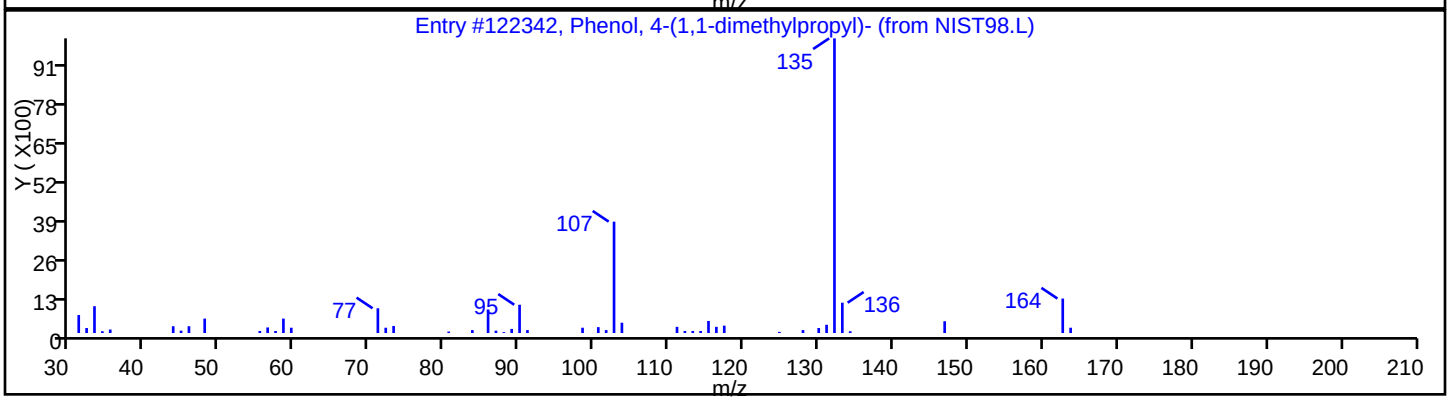
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	93
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	61323	72
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	NIST98.L	122342	72









Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

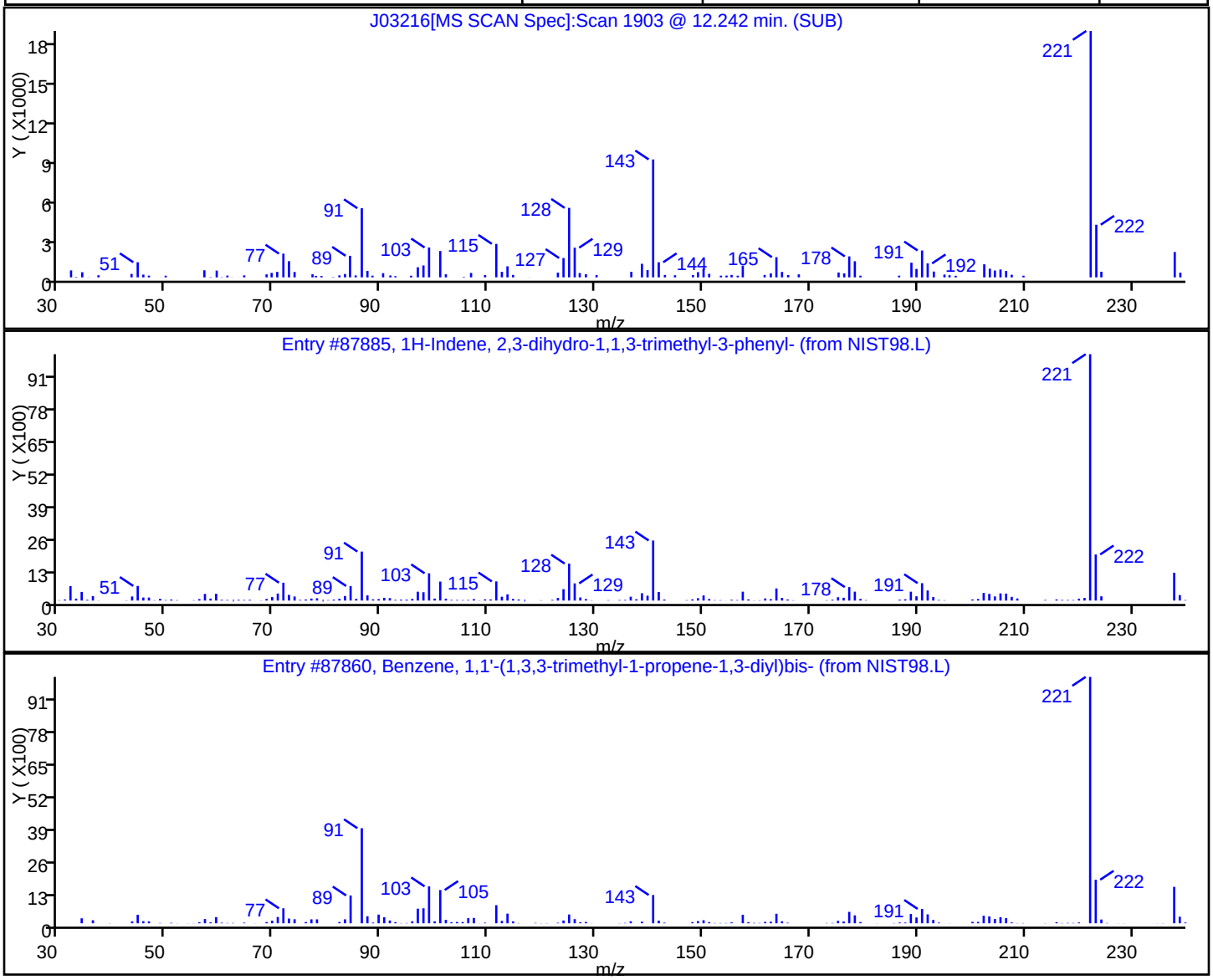
Lims Batch ID: 49648 Lims Sample ID: 35

Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-19-c 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	98
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	60



Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

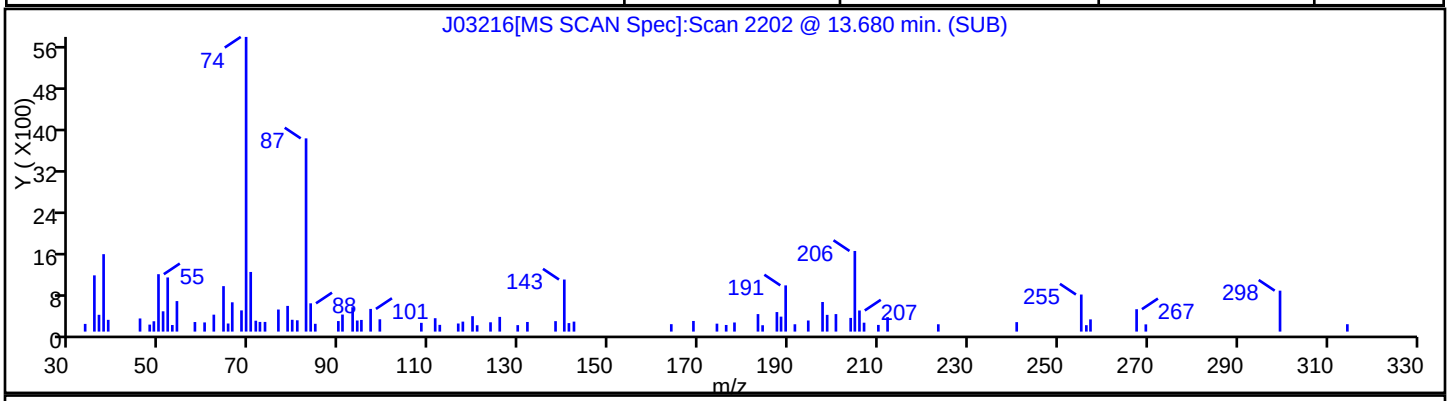
Lims Batch ID: 49648 Lims Sample ID: 35

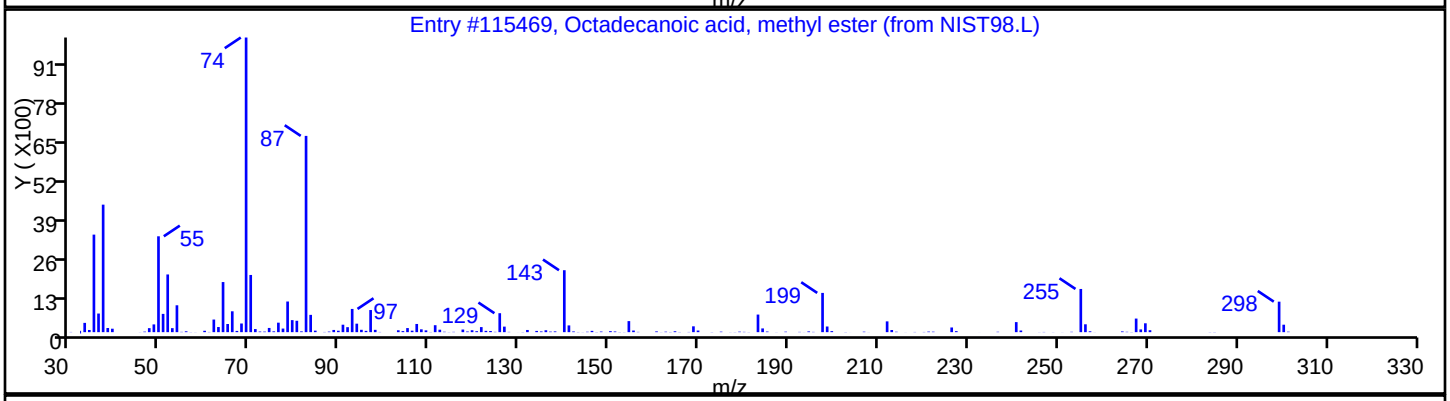
Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

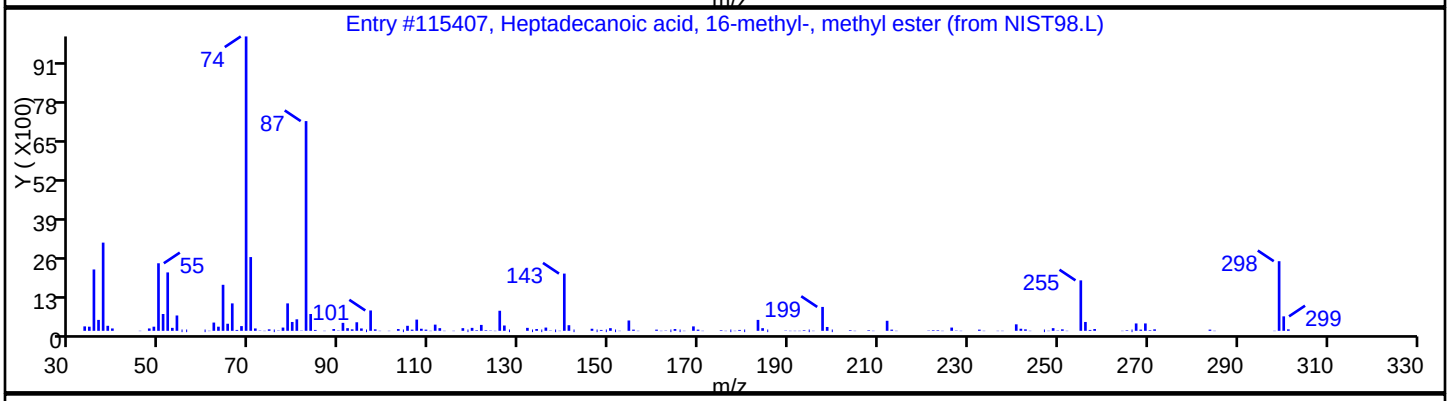
Sample Info: 360-24582-a-19-c 10X

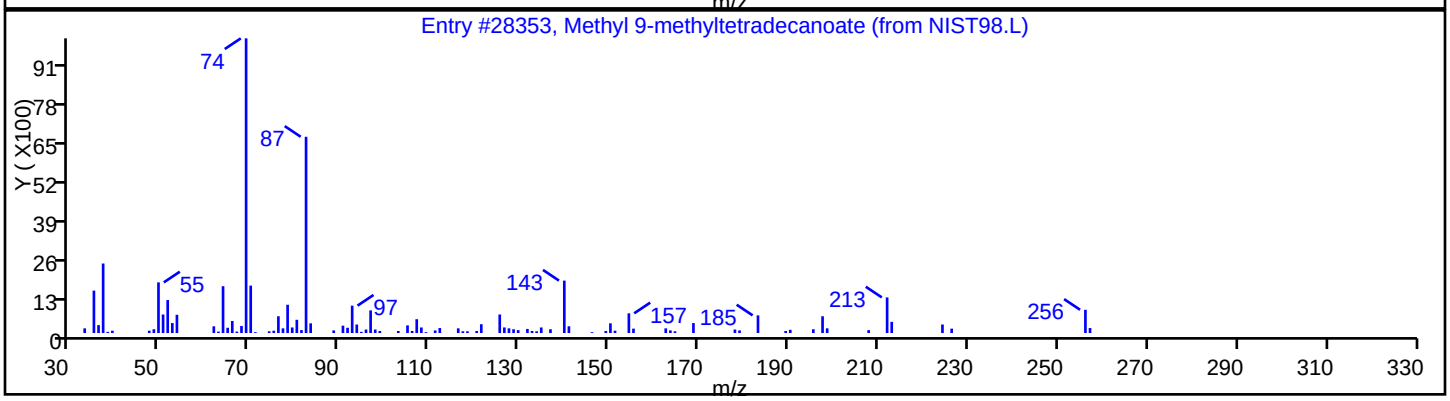
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115469	97
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	95
Methyl 9-methyltetradecanoate	1000110-16-1	NIST98.L	28353	83









Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

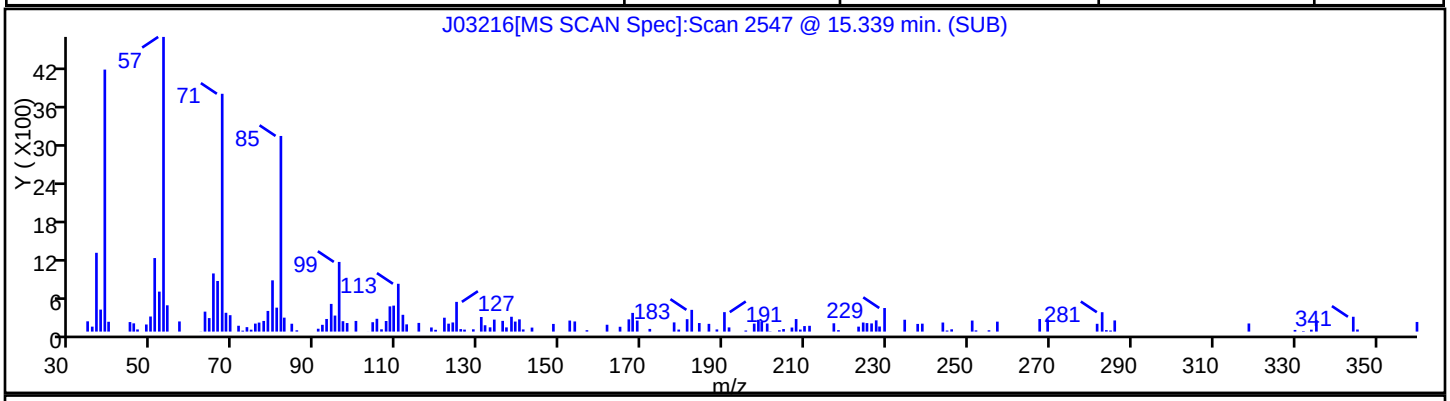
Lims Batch ID: 49648 Lims Sample ID: 35

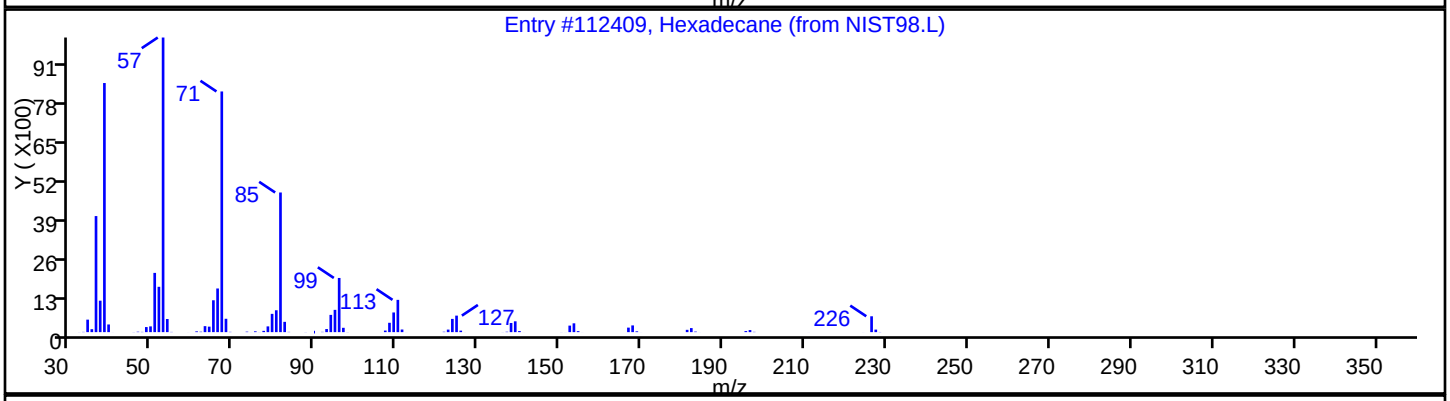
Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

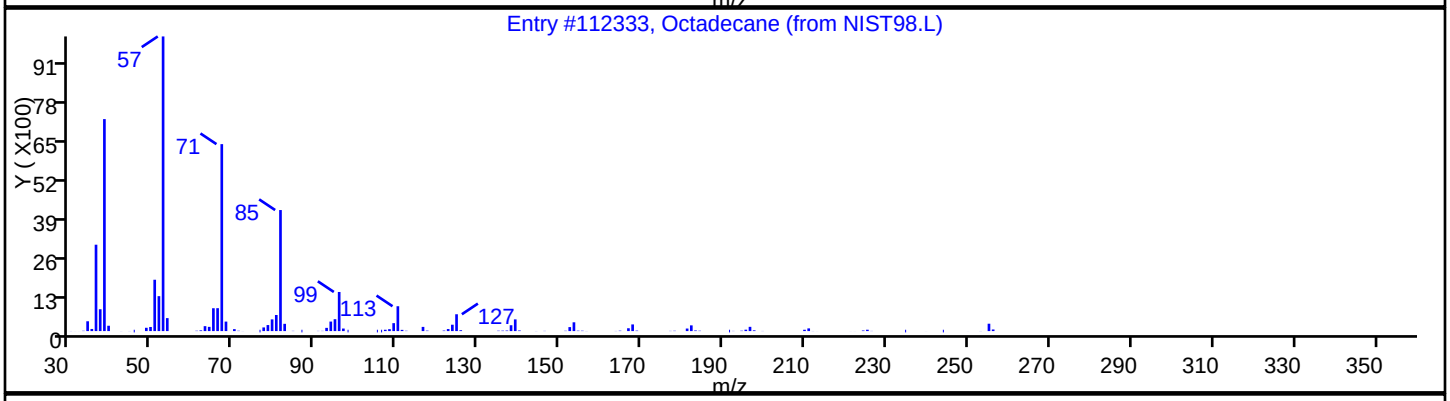
Sample Info: 360-24582-a-19-c 10X

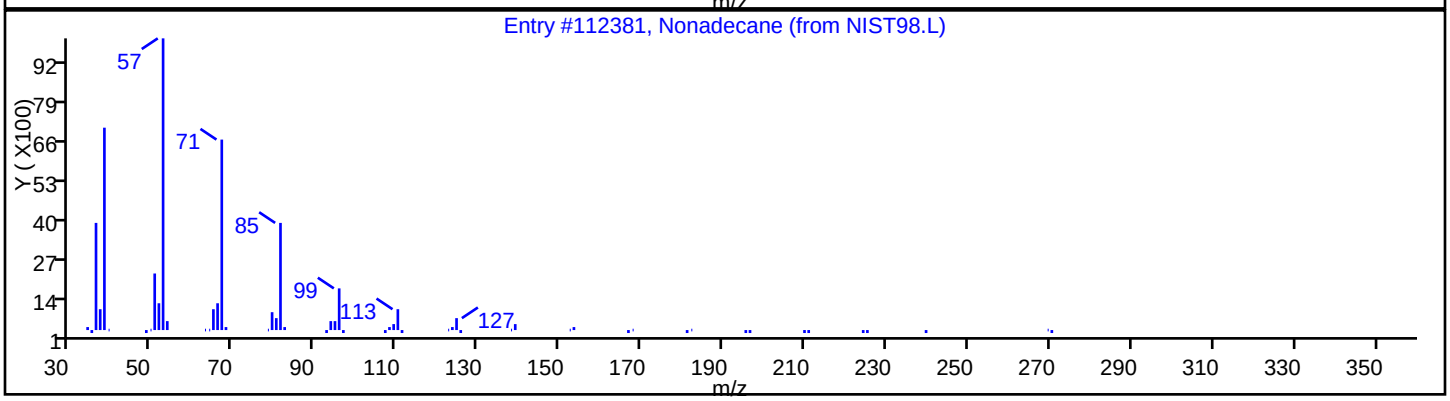
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112409	90
Octadecane	593-45-3	NIST98.L	112333	90
Nonadecane	629-92-5	NIST98.L	112381	90









Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

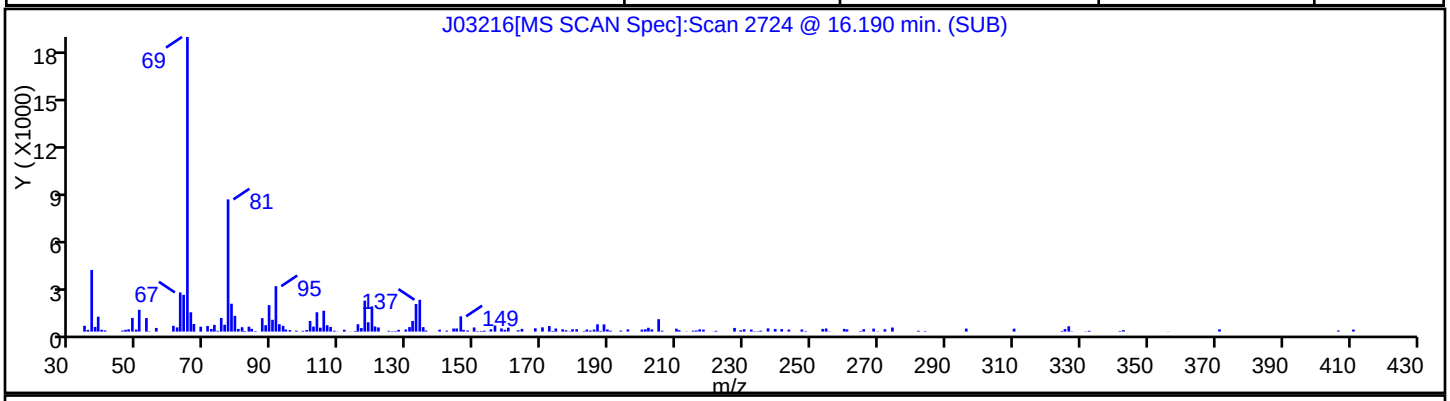
Lims Batch ID: 49648 Lims Sample ID: 35

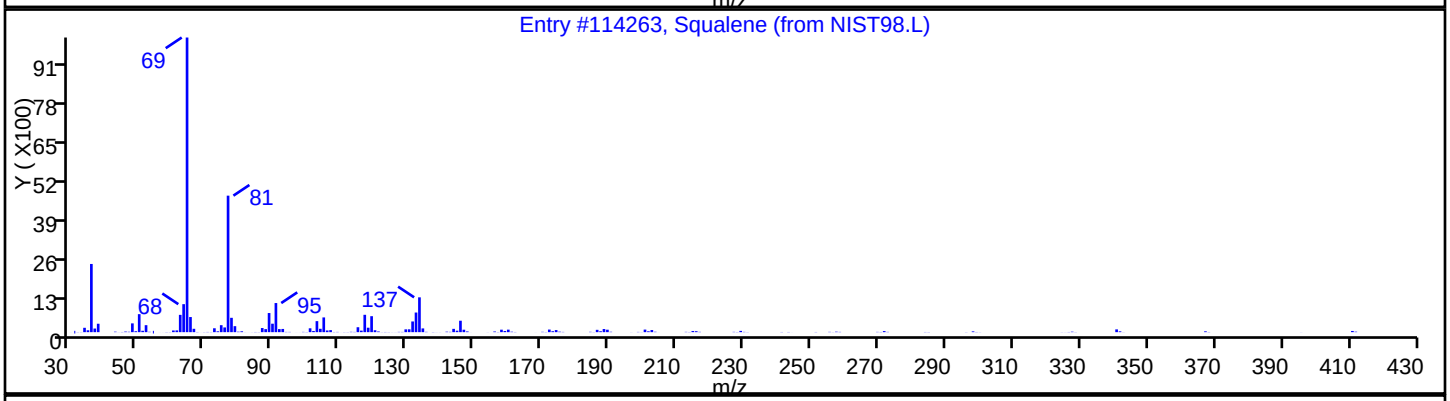
Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

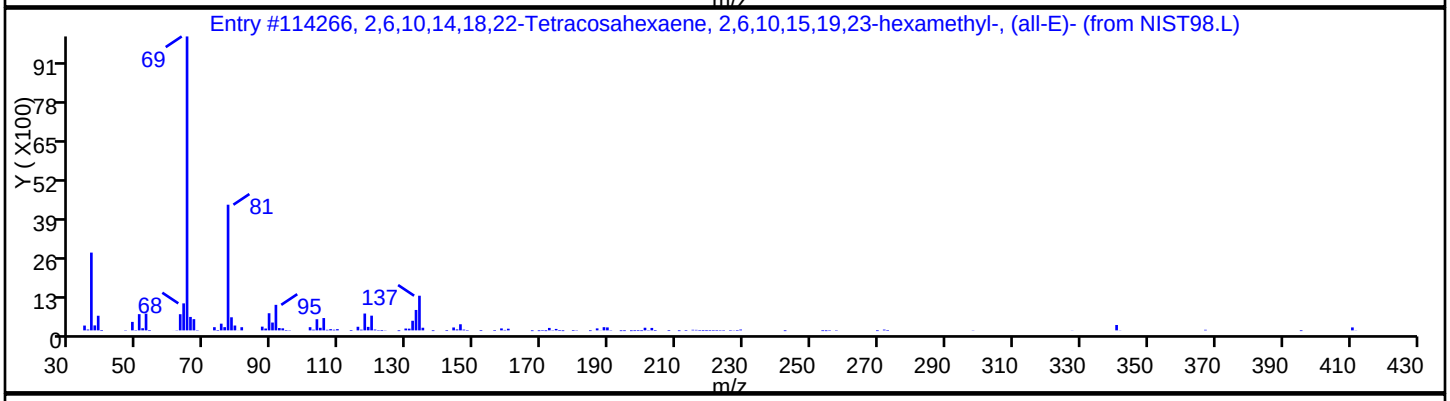
Sample Info: 360-24582-a-19-c 10X

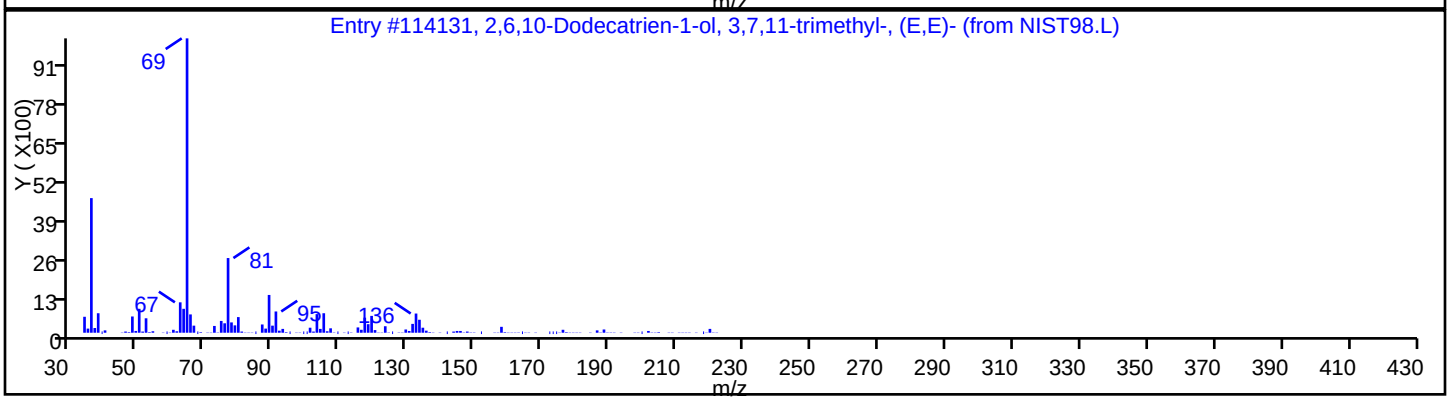
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	97
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	78
2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	106-28-5	NIST98.L	114131	72





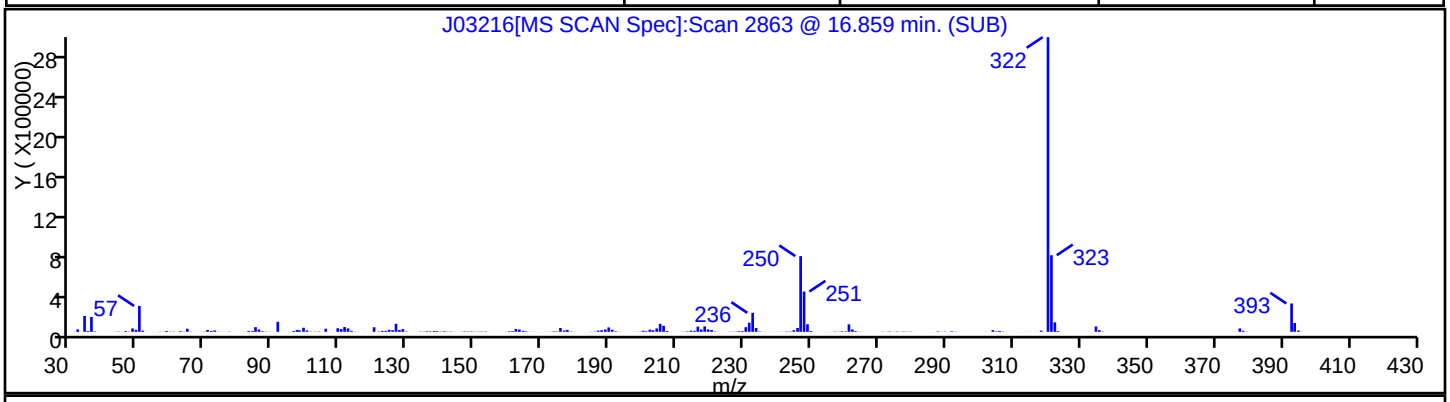


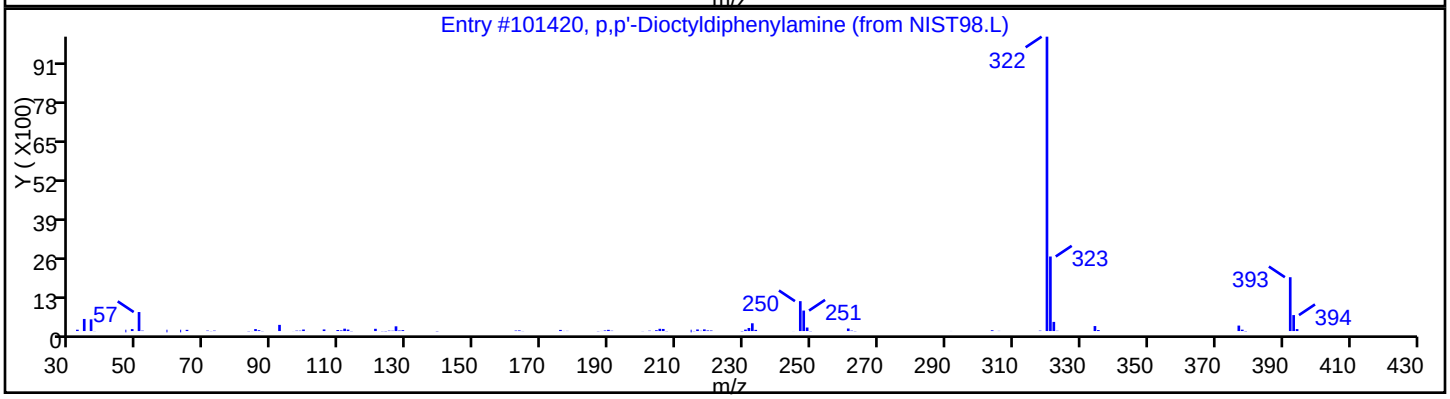


Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D		
Inj Date:	29-Sep-2009 08:11:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	35
Client ID:	OC-SS-414-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-19-c 10X		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	98





Report Date: 30-Sep-2009 09:49:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03216.D

Inj Date: 29-Sep-2009 08:11:30 Limit Group: SMS - 8270LL SVOA Calibration

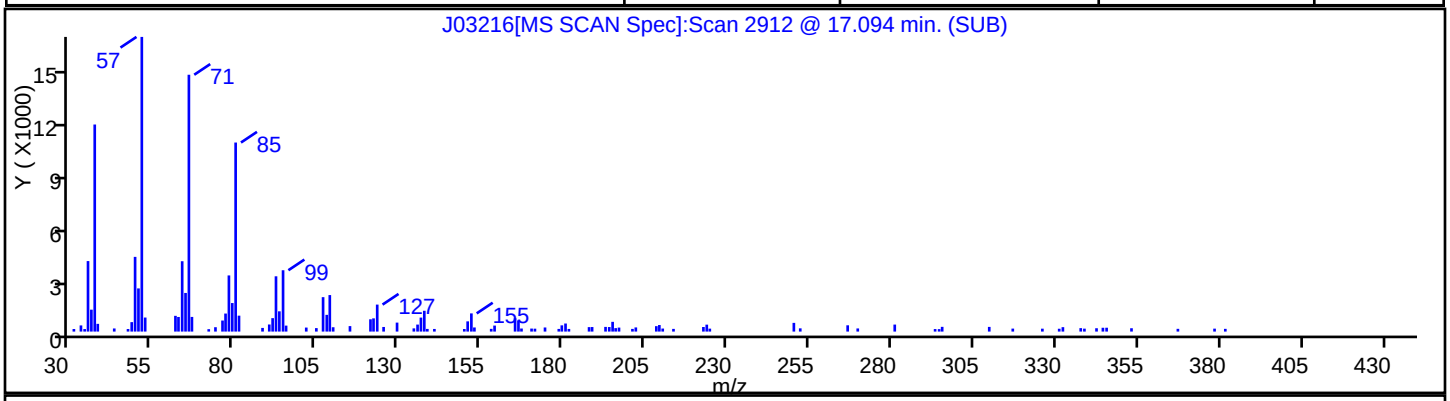
Lims Batch ID: 49648 Lims Sample ID: 35

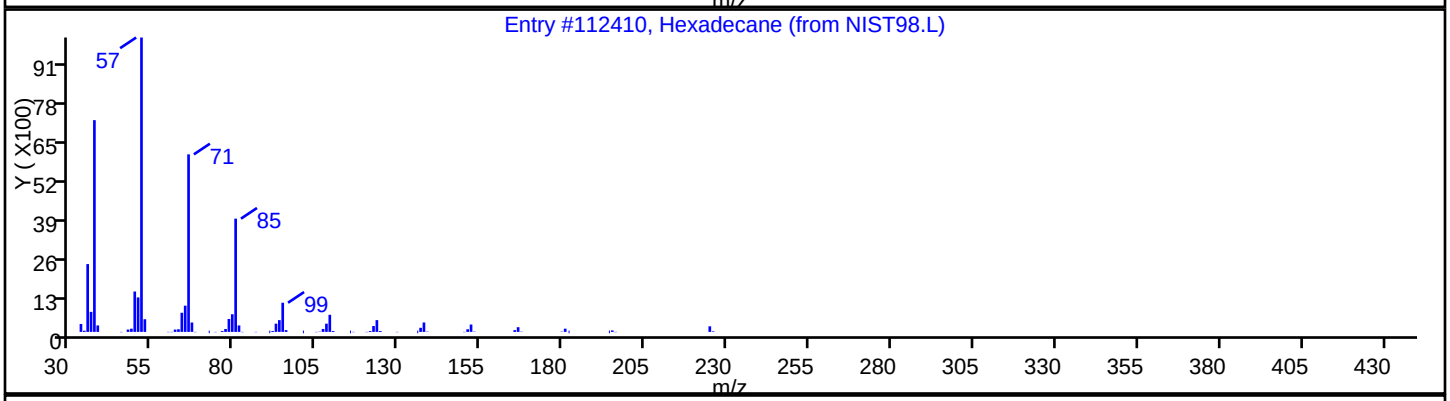
Client ID: OC-SS-414-0.0/1.0-XXX Instrument: Inst. J

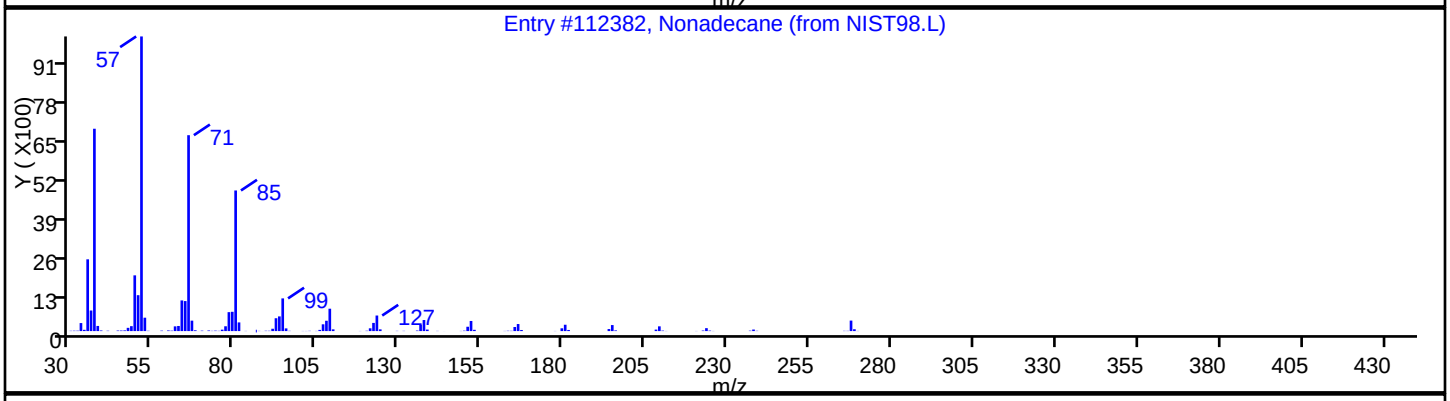
Sample Info: 360-24582-a-19-c 10X

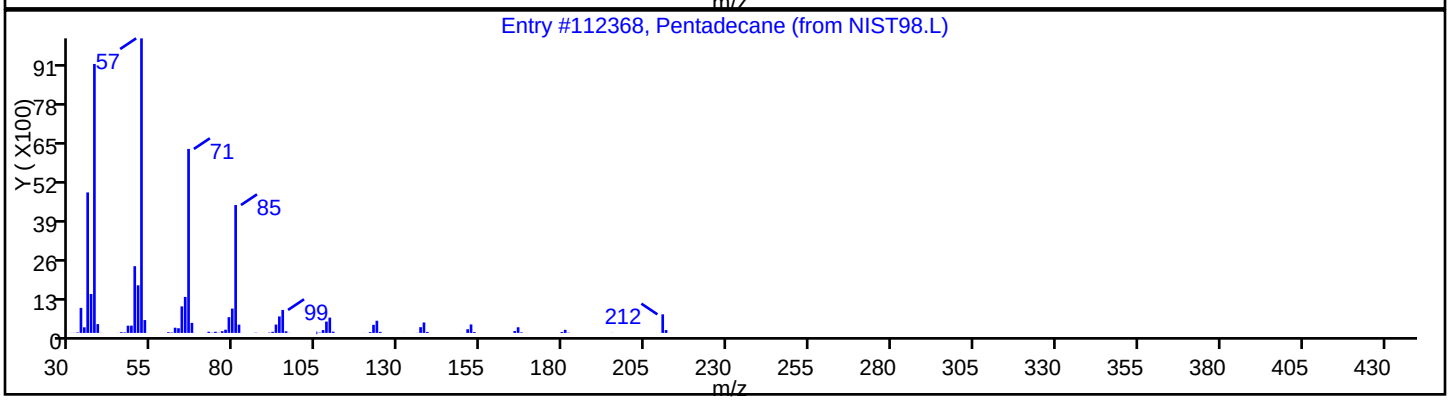
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	97
Nonadecane	629-92-5	NIST98.L	112382	95
Pentadecane	629-62-9	NIST98.L	112368	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: J03217.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:15

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.17(g) | Date Analyzed: 09/29/2009 08:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 57.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		1600	470
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1600	470
120-82-1	1,2,4-Trichlorobenzene	ND		1600	470
95-50-1	1,2-Dichlorobenzene	ND		1600	470
541-73-1	1,3-Dichlorobenzene	ND		1600	470
106-46-7	1,4-Dichlorobenzene	ND		1600	470
90-12-0	1-Methylnaphthalene	ND		1600	470
108-60-1	2,2'-oxybis[1-chloropropane]	ND		1600	470
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1600	470
95-95-4	2,4,5-Trichlorophenol	ND		1600	470
88-06-2	2,4,6-Trichlorophenol	ND		1600	470
120-83-2	2,4-Dichlorophenol	ND	*	1600	470
105-67-9	2,4-Dimethylphenol	ND		1600	610
51-28-5	2,4-Dinitrophenol	ND		1600	470
121-14-2	2,4-Dinitrotoluene	ND		1600	470
606-20-2	2,6-Dinitrotoluene	ND		1600	470
91-58-7	2-Chloronaphthalene	ND		1600	470
95-57-8	2-Chlorophenol	ND		1600	470
91-57-6	2-Methylnaphthalene	ND		1600	470
95-48-7	2-Methylphenol	ND		1600	930
88-74-4	2-Nitroaniline	ND		7800	470
88-75-5	2-Nitrophenol	ND		1600	470
15831-10-4	3 & 4 Methylphenol	ND		1600	470
91-94-1	3,3'-Dichlorobenzidine	ND		3100	470
99-09-2	3-Nitroaniline	ND		7800	470
534-52-1	4,6-Dinitro-2-methylphenol	ND		7800	470
101-55-3	4-Bromophenyl phenyl ether	ND		1600	470
59-50-7	4-Chloro-3-methylphenol	ND		3100	470
106-47-8	4-Chloroaniline	ND		3100	470
7005-72-3	4-Chlorophenyl phenyl ether	ND		1600	470
100-01-6	4-Nitroaniline	ND		7800	470
100-02-7	4-Nitrophenol	ND		7800	470
83-32-9	Acenaphthene	ND		1600	470
208-96-8	Acenaphthylene	ND		1600	470

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: J03217.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:15

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.17(g) | Date Analyzed: 09/29/2009 08:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 57.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		1600	470
62-53-3	Aniline	ND	*	1600	470
120-12-7	Anthracene	ND		1600	470
1912-24-9	Atrazine	ND		1600	470
103-33-3	Azobenzene	ND		1600	470
100-52-7	Benzaldehyde	ND		1600	470
56-55-3	Benzo[a]anthracene	ND		1600	470
50-32-8	Benzo[a]pyrene	ND		1600	470
205-99-2	Benzo[b]fluoranthene	ND		1600	470
191-24-2	Benzo[g,h,i]perylene	ND		1600	470
207-08-9	Benzo[k]fluoranthene	ND		1600	470
65-85-0	Benzoic acid	2000	J B	7800	700
119-61-9	Benzophenone	ND		1600	470
100-51-6	Benzyl alcohol	ND		3100	1300
111-91-1	Bis(2-chloroethoxy)methane	ND		1600	470
111-44-4	Bis(2-chloroethyl)ether	ND		1600	470
117-81-7	Bis(2-ethylhexyl) phthalate	2900	B	1600	470
85-68-7	Butyl benzyl phthalate	ND		1600	470
105-60-2	Caprolactam	ND		1600	470
86-74-8	Carbazole	ND		1600	470
218-01-9	Chrysene	ND		1600	470
53-70-3	Dibenz(a,h)anthracene	ND		1600	470
132-64-9	Dibenzofuran	ND		1600	470
84-66-2	Diethyl phthalate	ND		1600	470
131-11-3	Dimethyl phthalate	ND		1600	470
84-74-2	Di-n-butyl phthalate	ND		1600	1400
117-84-0	Di-n-octyl phthalate	ND		1600	780
101-84-8	Diphenyl oxide	ND		1600	470
206-44-0	Fluoranthene	ND		1600	470
86-73-7	Fluorene	ND		1600	470
118-74-1	Hexachlorobenzene	ND		1600	470
87-68-3	Hexachlorobutadiene	ND		1600	470
77-47-4	Hexachlorocyclopentadiene	ND		3100	470
67-72-1	Hexachloroethane	ND		1600	470

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: J03217.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:15

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.17(g) | Date Analyzed: 09/29/2009 08:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 57.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	1600	470
78-59-1	Isophorone	ND		1600	470
91-20-3	Naphthalene	ND		3700	470
98-95-3	Nitrobenzene	ND		1600	470
62-75-9	N-Nitrosodimethylamine	ND		1600	550
621-64-7	N-Nitrosodi-n-propylamine	ND		1600	470
86-30-6	N-Nitrosodiphenylamine	ND		1600	470
87-86-5	Pentachlorophenol	ND		1600	470
85-01-8	Phenanthrene	ND		1900	470
108-95-2	Phenol	ND		1600	470
129-00-0	Pyrene	ND		1600	470

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	58	30-130	
321-60-8	2-Fluorobiphenyl	47	30-130	
367-12-4	2-Fluorophenol	41	30-130	
4165-60-0	Nitrobenzene-d5	51	30-130	
4165-62-2	Phenol-d5	40	30-130	
1718-51-0	Terphenyl-d14	49	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-415-0.0/1.0-XXX | Lab Sample ID: 360-24582-20

Matrix: Solid | Lab File ID: J03217.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:15

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.17(g) | Date Analyzed: 09/29/2009 08:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 57.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49648 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 50900

CAS NO.	COMPOUND NAME	RT	RESULT	Q
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	12.24	2000	T J N
31035-7-1	9-Nonadecene	15.03	7700	T J N
593-49-7	Heptacosane	15.68	2300	T J N
297-3-0	Cyclotetracosane	15.72	17000	T J N
6920-24-7	Hexadecane-1,2-diol	16.06	2700	T J N
7390-81-0	Oxirane, hexadecyl-	16.18	3000	T J N
630-3-5	Nonacosane	16.34	2500	T J N
71502-22-2	9-Hexacosene	16.41	3900	T J N
7390-81-0	Oxirane, hexadecyl-	16.92	2000	T J N
1000194-63-7	2,2,4a,6a,8a,9,12b,14a-Octamethyl-1,2,3,	18.77	7800	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D		
Lims ID:	360-24582-A-20-C	Client ID:	OC-SS-415-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 08:44:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-20-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	49648	Lims Sample ID:	36
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:53:12	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:53:12

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.035	8.036	-0.001	53046	2.00	
* 2 Naphthalene-d8	136	9.348	9.349	-0.001	132948	2.00	
* 3 Acenaphthene-d10	164	11.137	11.133	0.004	70130	2.00	
* 4 Phenanthrene-d10	188	12.618	12.619	-0.001	100832	2.00	
* 5 Chrysene-d12	240	15.378	15.379	-0.001	49203	2.00	s
* 6 Perylene-d12	264	17.018	17.014	0.004	36466	2.00	
$ 7 2-Fluorophenol	112	6.693	6.685	0.008	3200	0.2040	
$ 8 Phenol-d5	99	7.689	7.680	0.009	3681	0.1983	
$ 9 Nitrobenzene-d5	82	8.636	8.637	-0.001	2384	0.1277	
$ 10 2-Fluorobiphenyl	172	10.425	10.426	-0.001	4722	0.1164	
$ 11 2,4,6-Tribromophenol	330	11.935	11.936	-0.001	818	0.2887	
$ 12 Terphenyl-d14	244	14.200	14.201	-0.001	2169	0.1225	
17 Benzaldehyde	105	7.597	7.599	-0.002	2641	0.2725	
18 Phenol	94	7.703	7.695	0.008	603	0.0302	
30 Acetophenone	105	8.468	8.469	-0.001	5248	0.2413	
36 Benzoic acid	105	9.021	9.037	-0.015	1962	1.26	
41 Naphthalene	128	9.367	9.368	-0.001	2370	0.0445	
46 2-Methylnaphthalene	142	10.055	10.056	-0.001	1247	0.0357	
47 1-Methylnaphthalene	142	10.165	10.171	-0.006	1196	0.0351	
52 1,1'-Biphenyl	154	10.526	10.522	0.004	1176	0.0276	
80 Phenanthrene	178	12.642	12.643	-0.001	4714	0.1132	
84 Di-n-butyl phthalate	149	13.156	13.153	0.003	1946	0.0370	
87 Fluoranthene	202	13.849	13.850	-0.001	4283	0.1027	
85 Pyrene	202	14.089	14.091	-0.002	2798	0.0966	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.283	-0.001	32597	1.86	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D		
Lims ID:	360-24582-A-20-C	Client ID:	OC-SS-415-0.0/1.0-XXX
Inject. Date:	29-Sep-2009 08:44:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-a-20-c 10X		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	49648	Lims Sample ID:	36
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 09:53:12	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 09:53:12

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	13.964	43	0.8820	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
12.243	169956	1.30	4	98	87885	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
12.724	115683	0.8848	4	96	64461	
112-88-9	1-Octadecene					
13.556	136827	1.05	4	96	112298	
112-61-8	Octadecanoic acid, methyl ester					
13.676	130596	1.00	4	97	115469	
629-99-2	Pentacosane					
14.993	73050	0.6689	5	91	17109	
31035-7-1	9-Nonadecene					
15.027	542892	4.97	5	94	13042	
629-78-7	Heptadecane					
15.335	89237	0.8171	5	91	16420	
67860-4-2	Oxirane, heptadecyl-					
15.503	90503	0.8287	5	95	32326	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
593-49-7 Heptacosane						
15.676	158414	1.45	5	95	112354	
297-3-0 Cyclotetracosane						
15.720	1168484	10.7	5	97	33283	
630-2-4 Octacosane						
16.003	103198	0.9449	5	96	16409	
6920-24-7 Hexadecane-1,2-diol						
16.061	186481	1.71	5	91	114292	
7390-81-0 Oxirane, hexadecyl-						
16.181	210529	1.93	5	95	109681	
630-3-5 Nonacosane						
16.340	332262	1.58	6	98	112560	
71502-22-2 9-Hexacosene						
16.407	531435	2.53	6	91	7510	
7796-19-2 2-Heptacosanone						
16.450	192477	0.9168	6	94	19603	
7390-81-0 Oxirane, hexadecyl-						
16.922	267137	1.27	6	91	32327	
77899-10-6 (Z)14-Tricosenyl formate						
17.840	159673	0.7606	6	87	14168	
1000194-63-7 2,2,4a,6a,8a,9,12b,14a-Octamethyl-1,2,3,						
18.773	1046795	4.99	6	96	41435	

Quantitation Compounds

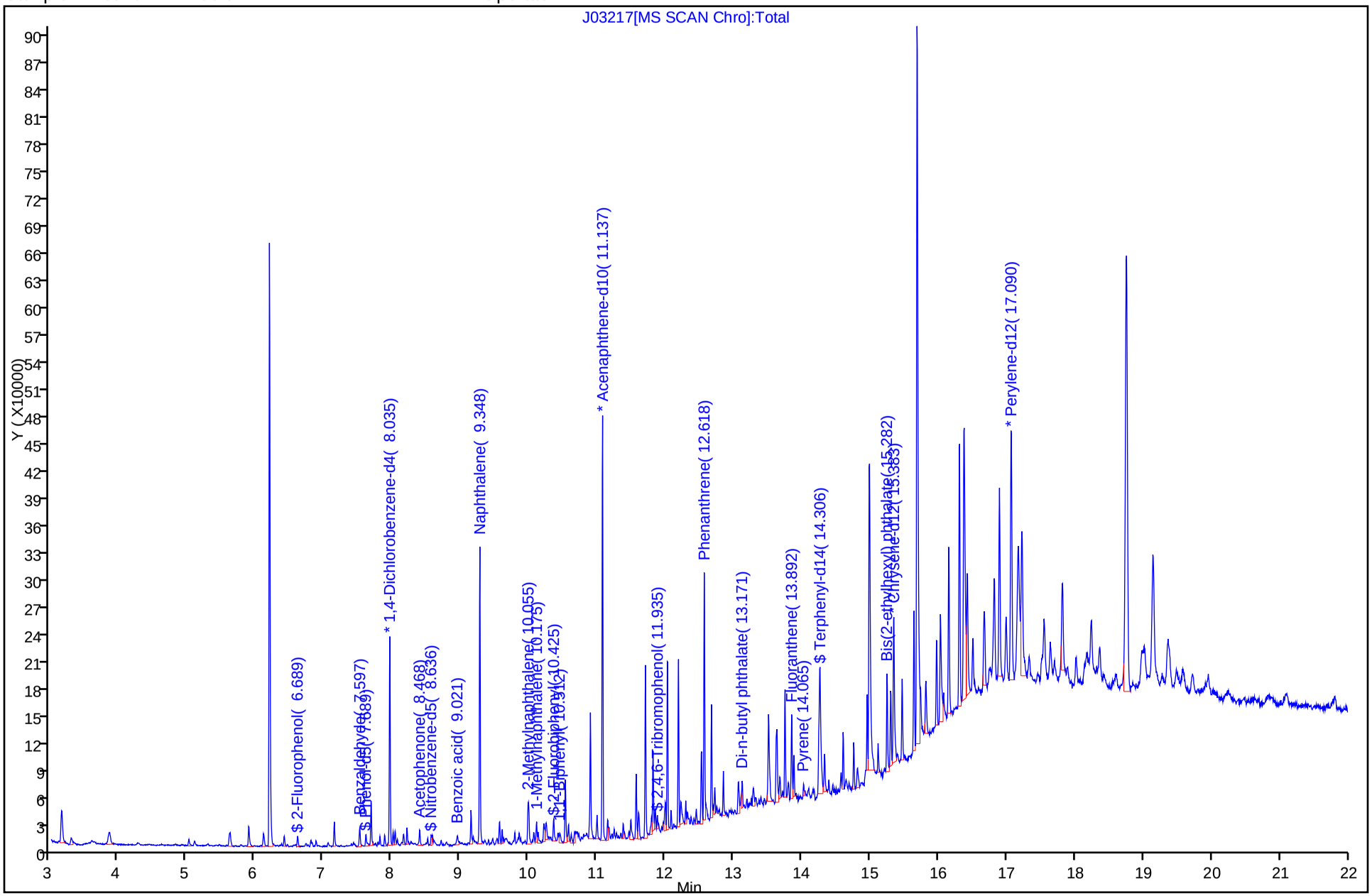
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	12.618	261494	2.00
* 5 Chrysene-d12	15.383	218429	2.00
* 6 Perylene-d12	17.090	419869	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 09:53:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

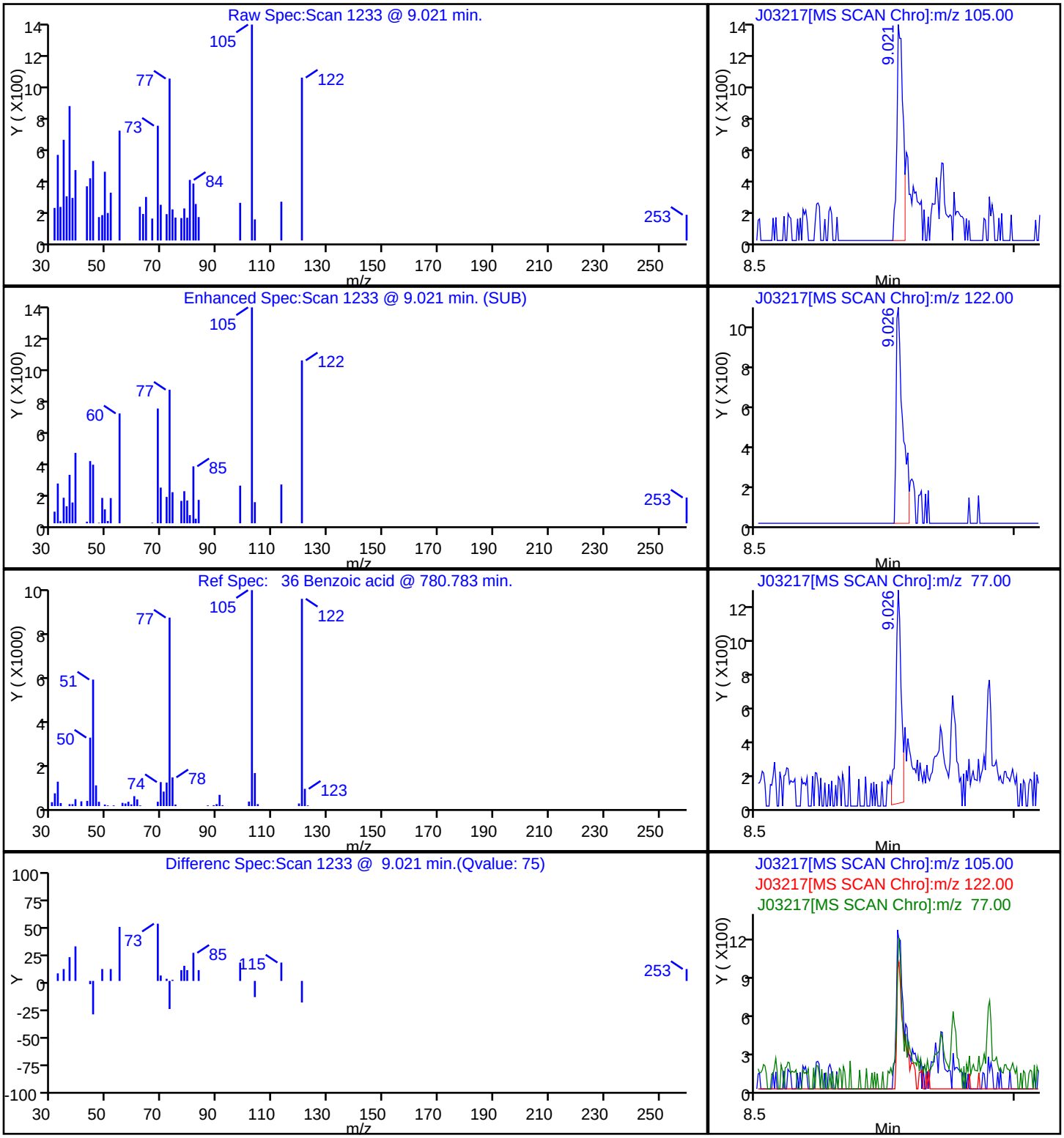
Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D		
Inj Date:	29-Sep-2009 08:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	36
Client ID:	OC-SS-415-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-20-c 10X		
Sample Amount:	1.00 ul	Operator:	



Report Date: 30-Sep-2009 09:53:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D		
Inj Date:	29-Sep-2009 08:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	36
Client ID:	OC-SS-415-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24582-a-20-c 10X		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid



Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

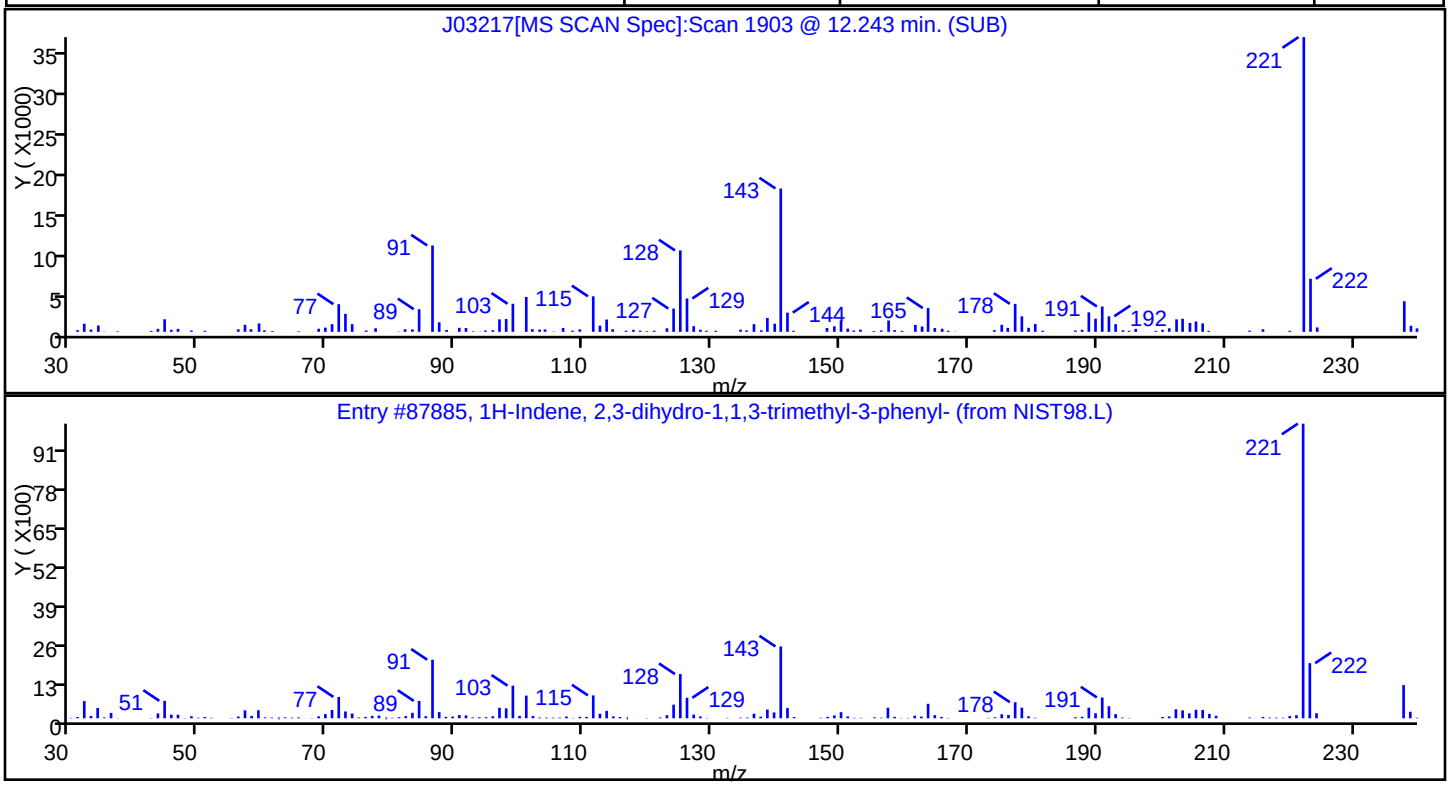
Lims Batch ID: 49648 Lims Sample ID: 36

Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-20-c 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	98



Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

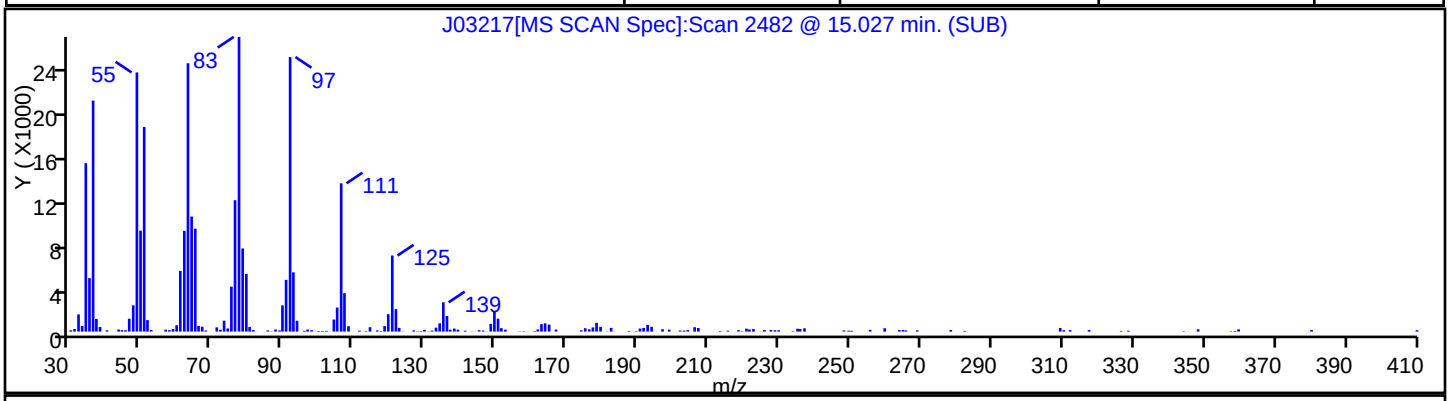
Lims Batch ID: 49648 Lims Sample ID: 36

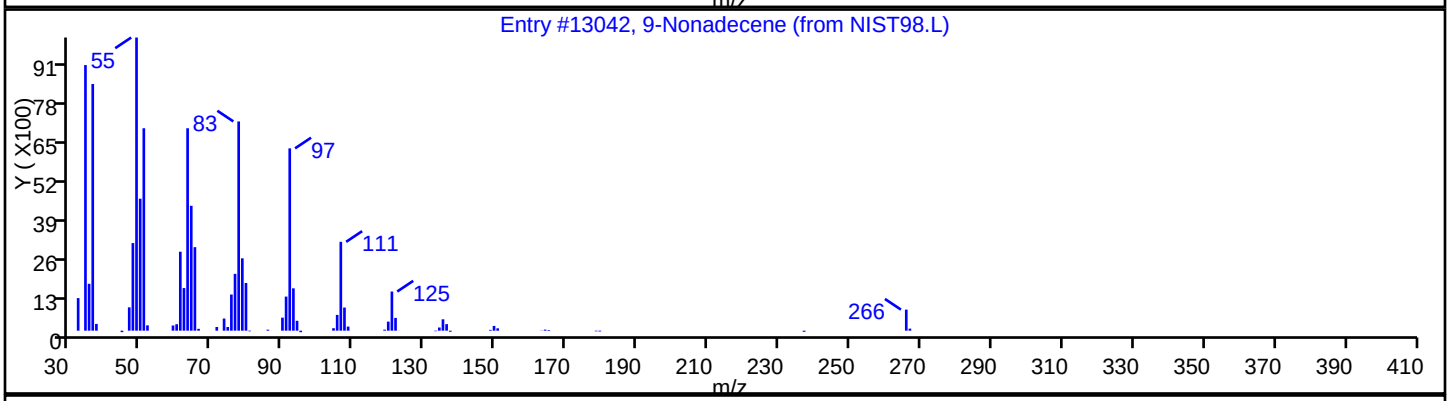
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

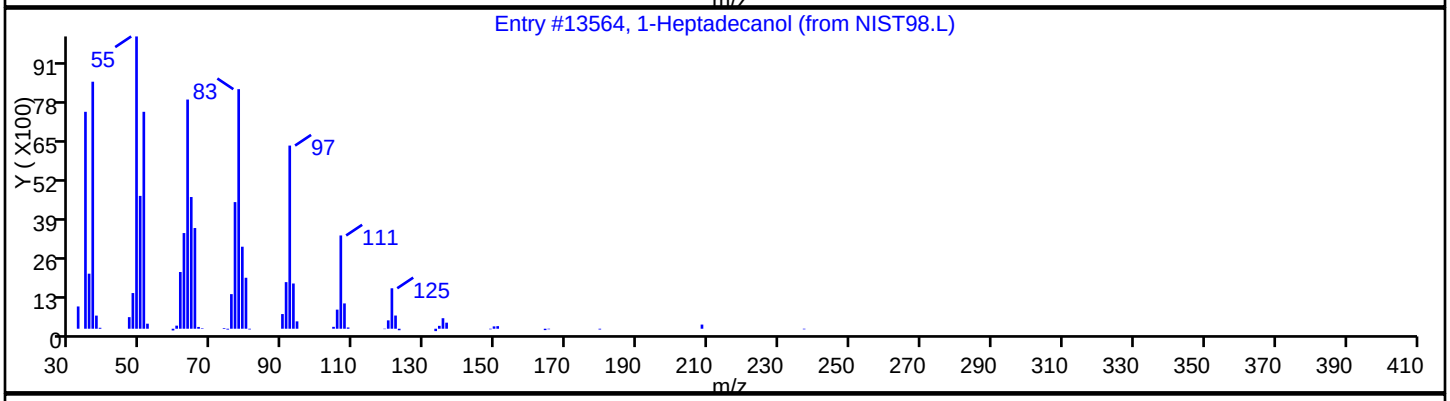
Sample Info: 360-24582-a-20-c 10X

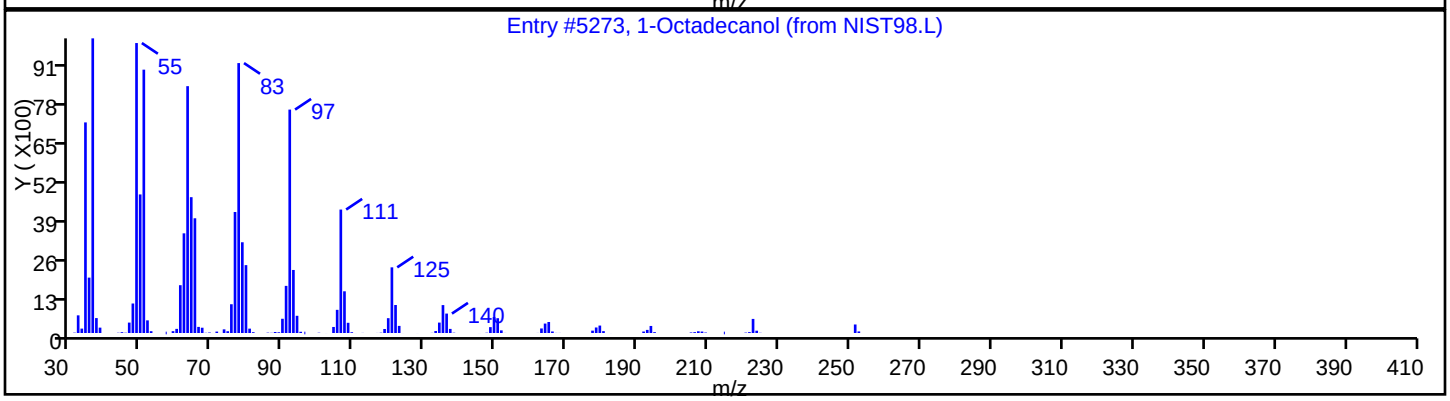
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
9-Nonadecene	31035-7-1	NIST98.L	13042	94
1-Heptadecanol	1454-85-9	NIST98.L	13564	91
1-Octadecanol	112-92-5	NIST98.L	5273	87









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

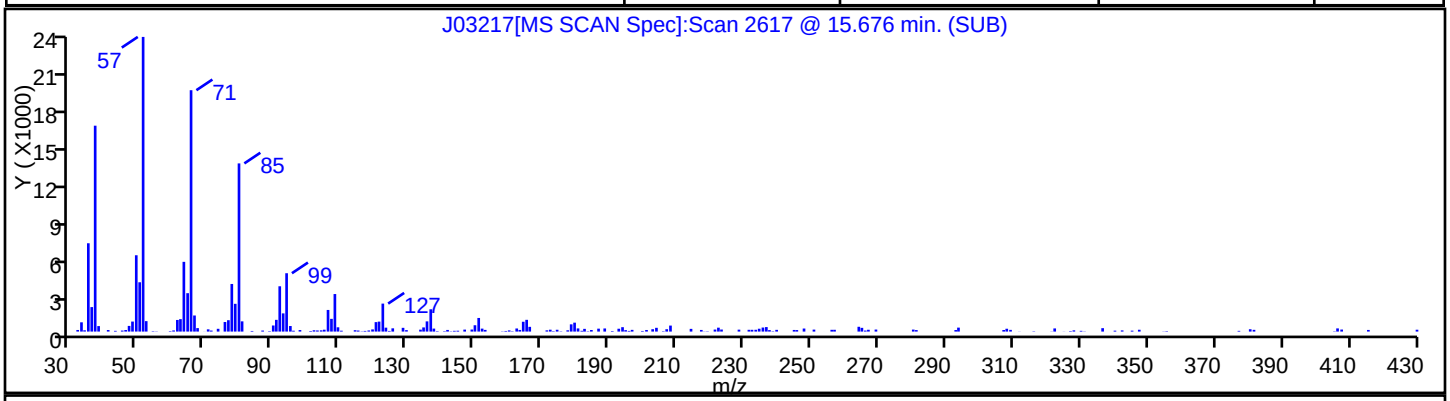
Lims Batch ID: 49648 Lims Sample ID: 36

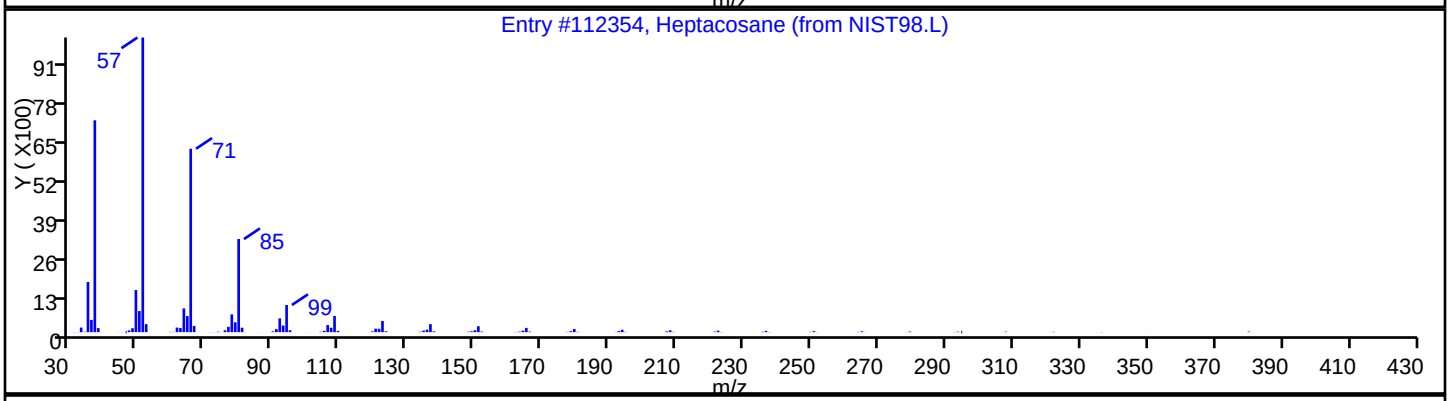
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

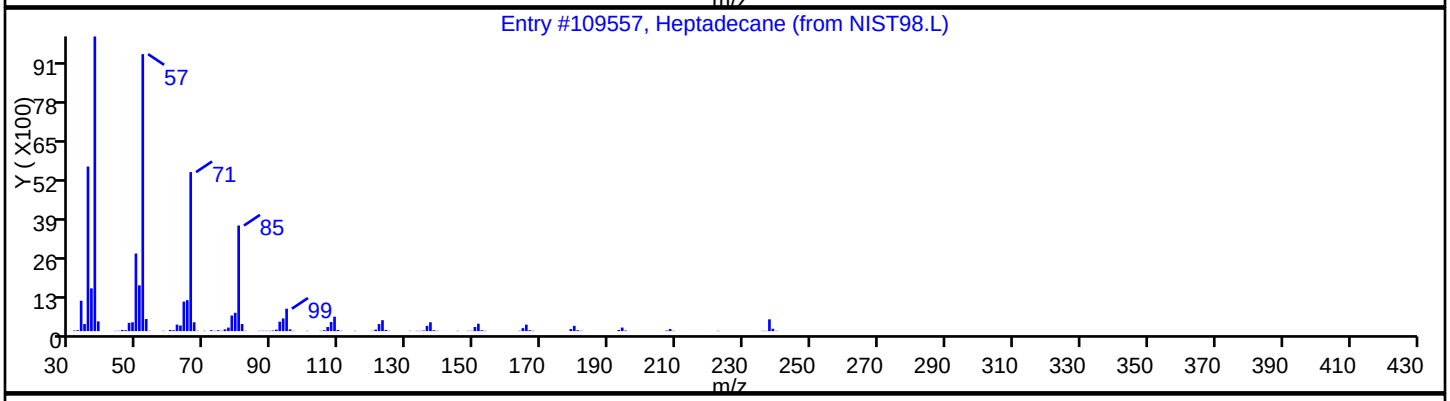
Sample Info: 360-24582-a-20-c 10X

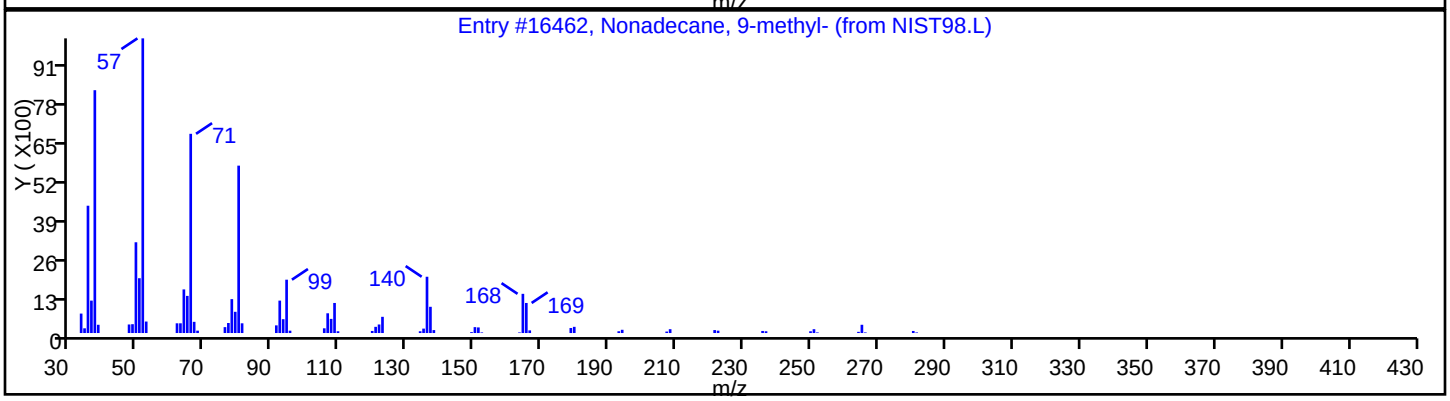
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	95
Heptadecane	629-78-7	NIST98.L	109557	95
Nonadecane, 9-methyl-	13287-24-6	NIST98.L	16462	94









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

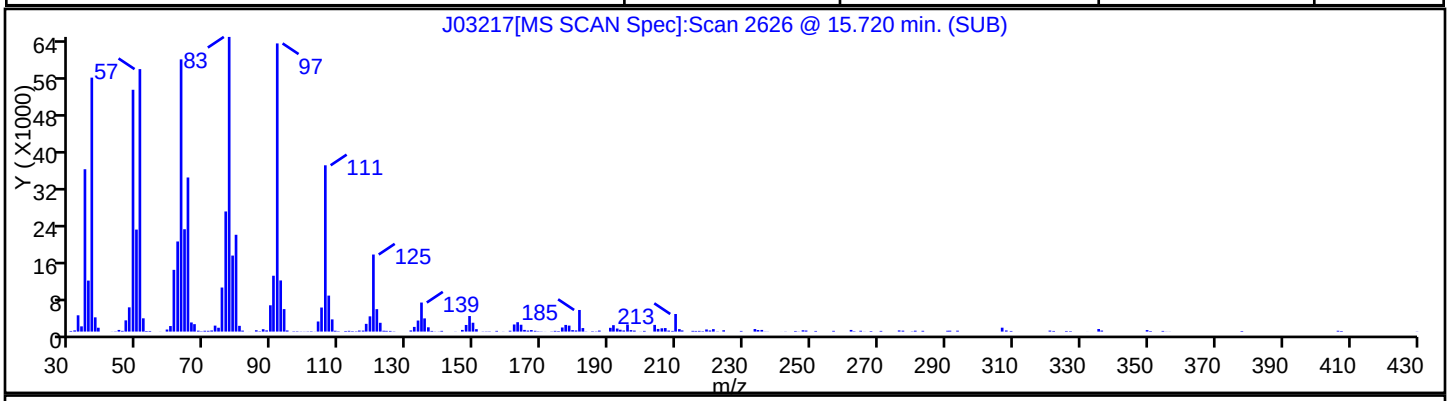
Lims Batch ID: 49648 Lims Sample ID: 36

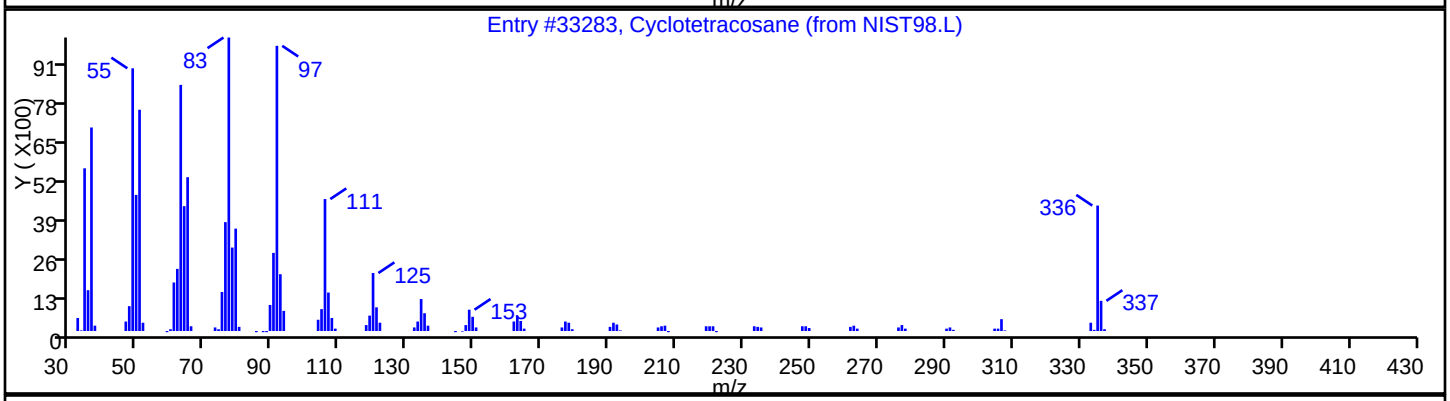
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

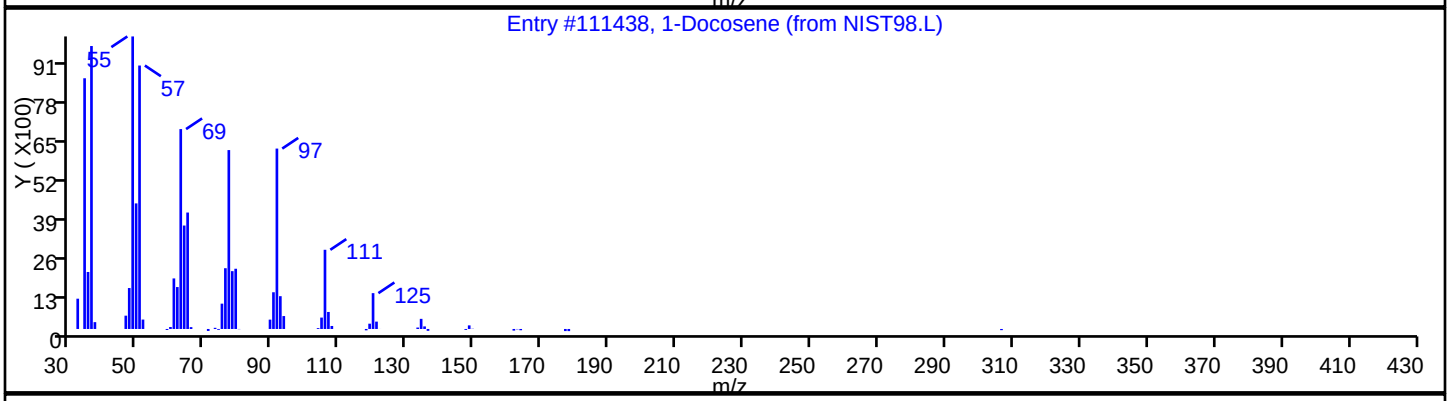
Sample Info: 360-24582-a-20-c 10X

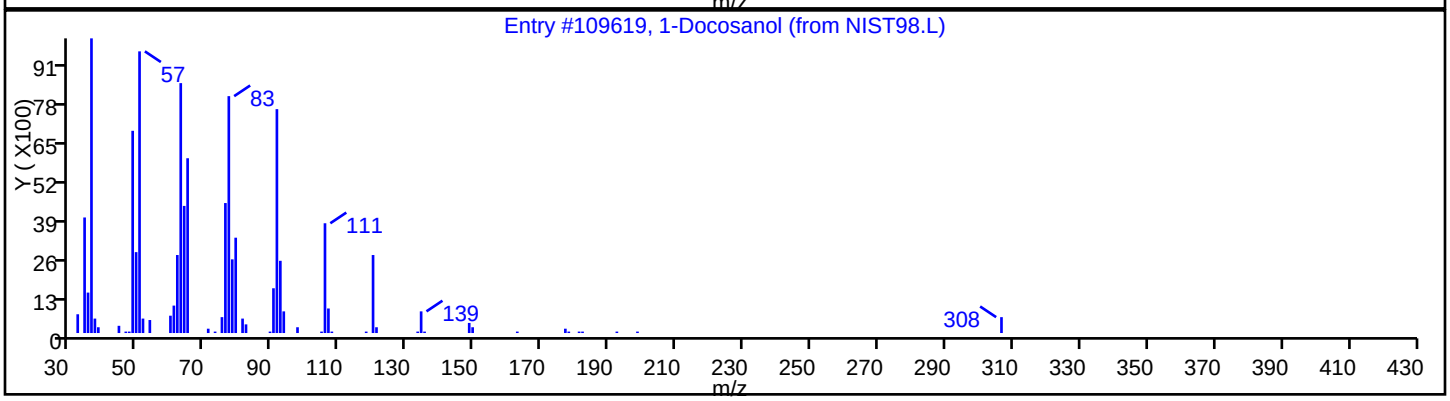
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	97
1-Docosene	1599-67-3	NIST98.L	111438	93
1-Docosanol	661-19-8	NIST98.L	109619	91









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

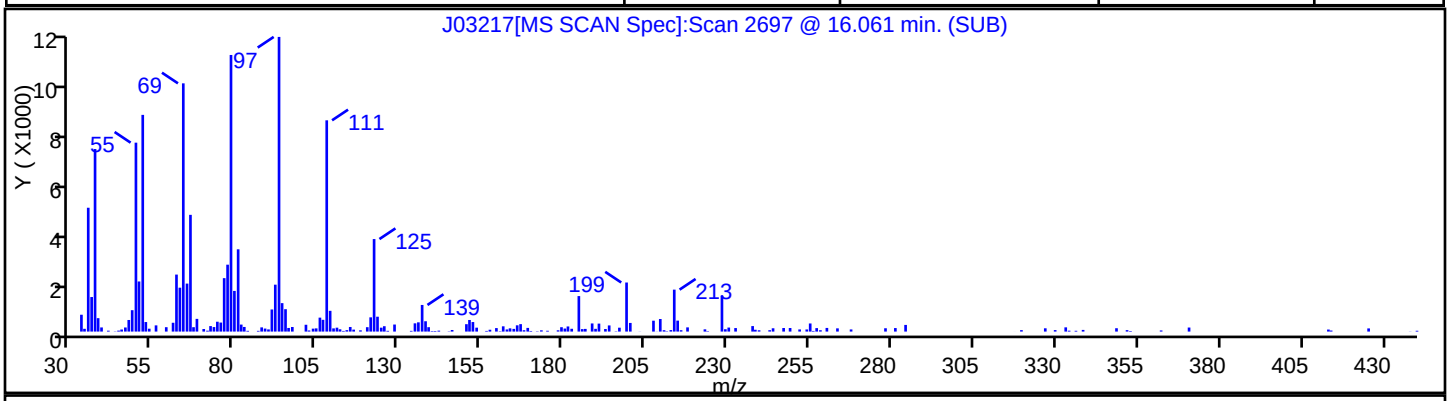
Lims Batch ID: 49648 Lims Sample ID: 36

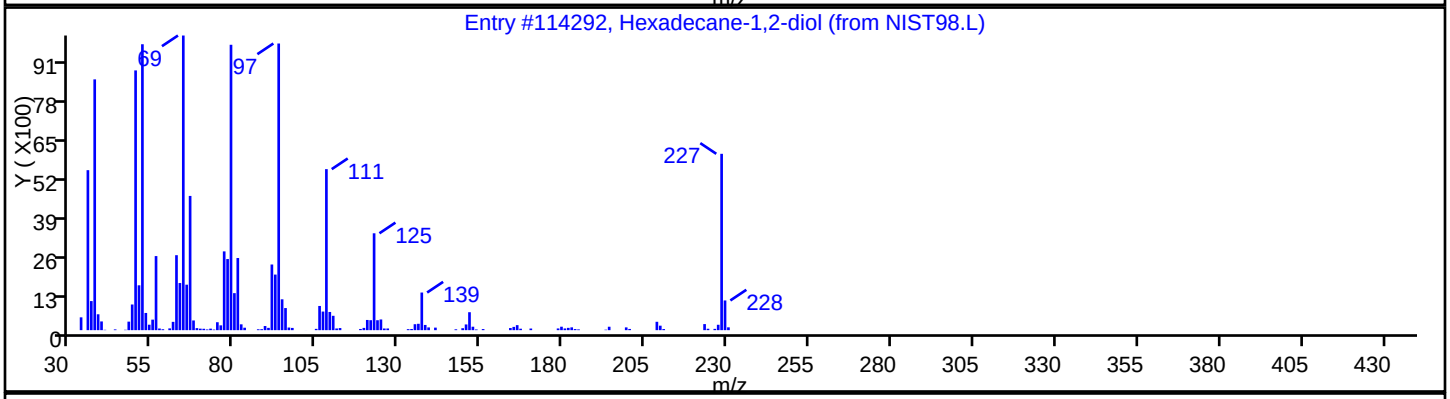
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

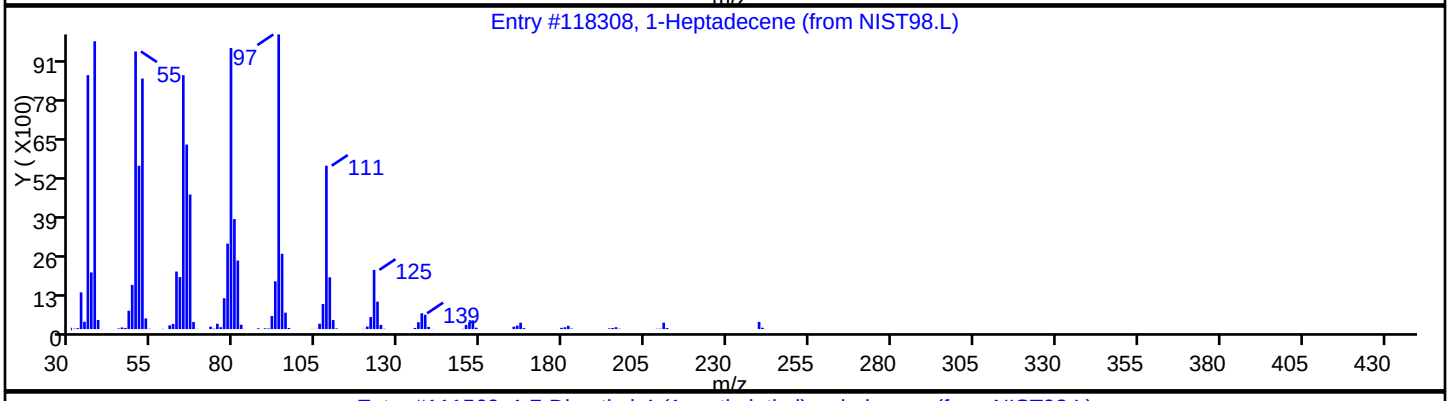
Sample Info: 360-24582-a-20-c 10X

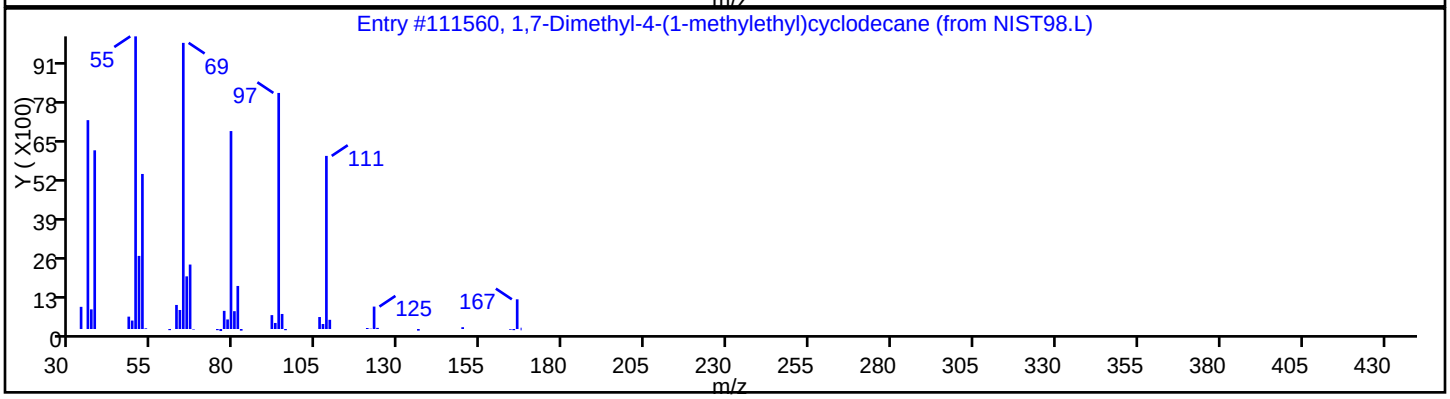
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane-1,2-diol	6920-24-7	NIST98.L	114292	91
1-Heptadecene	6765-39-5	NIST98.L	118308	78
1,7-Dimethyl-4-(1-methylethyl)cyclodecan	645-10-3	NIST98.L	111560	72









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

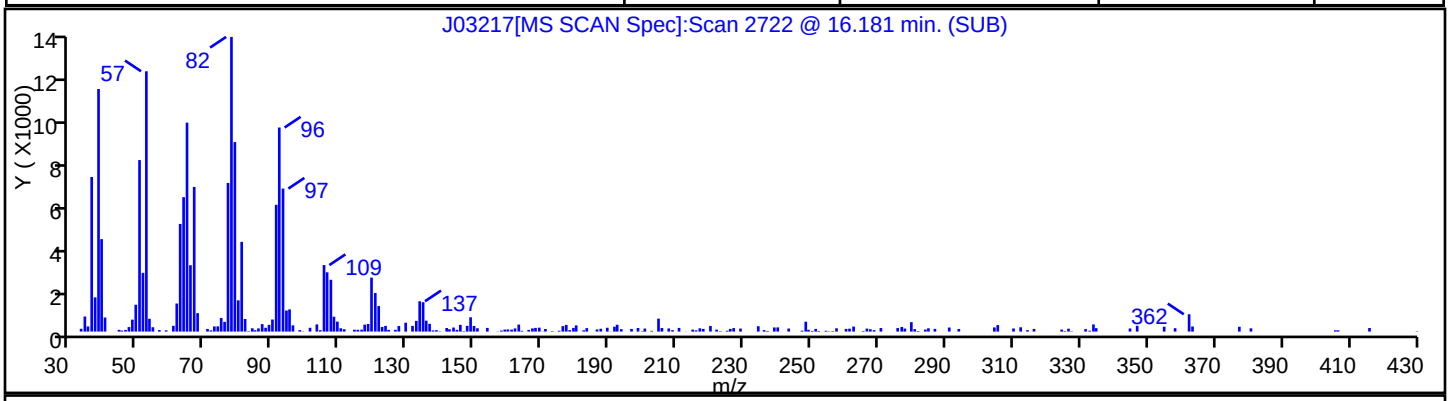
Lims Batch ID: 49648 Lims Sample ID: 36

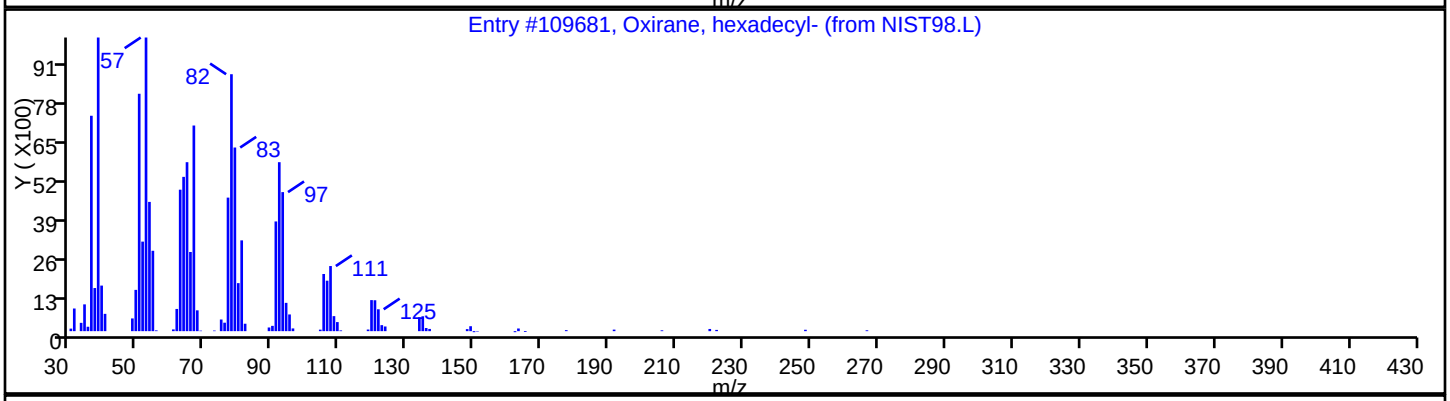
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

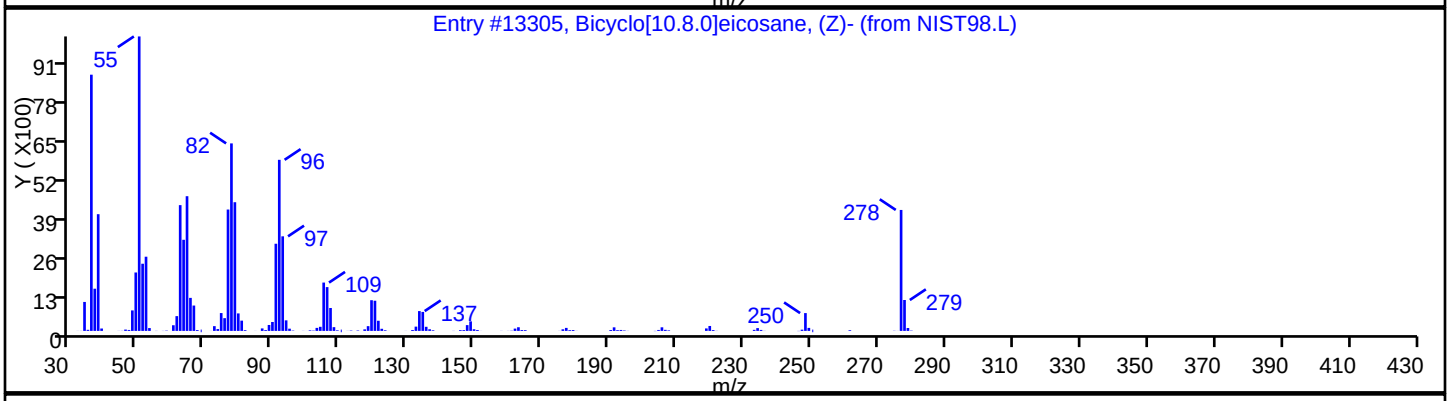
Sample Info: 360-24582-a-20-c 10X

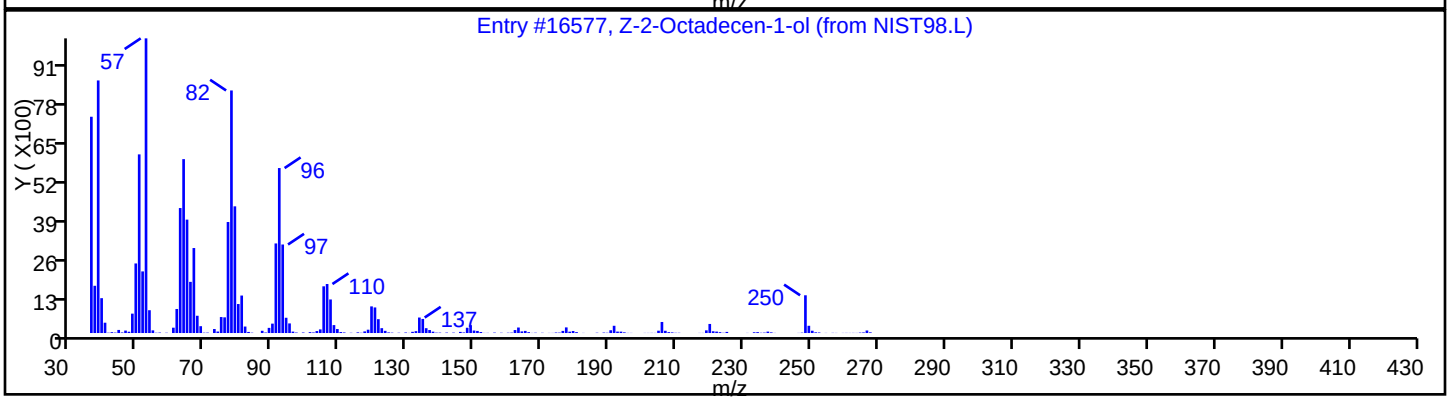
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, hexadecyl-	7390-81-0	NIST98.L	109681	95
Bicyclo[10.8.0]eicosane, (Z)-	1000155-82-2	NIST98.L	13305	95
Z-2-Octadecen-1-ol	1000131-11-0	NIST98.L	16577	94









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

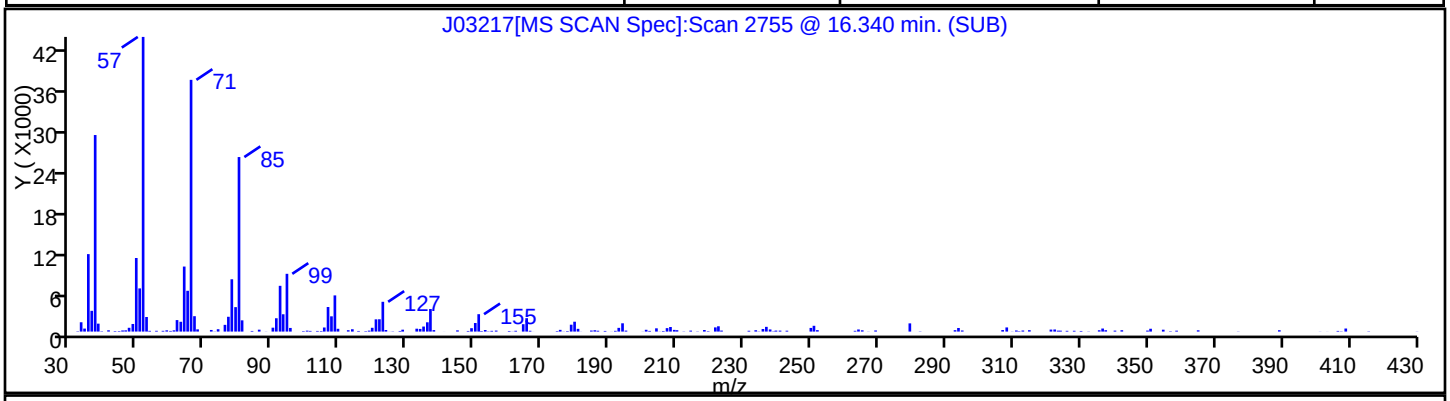
Lims Batch ID: 49648 Lims Sample ID: 36

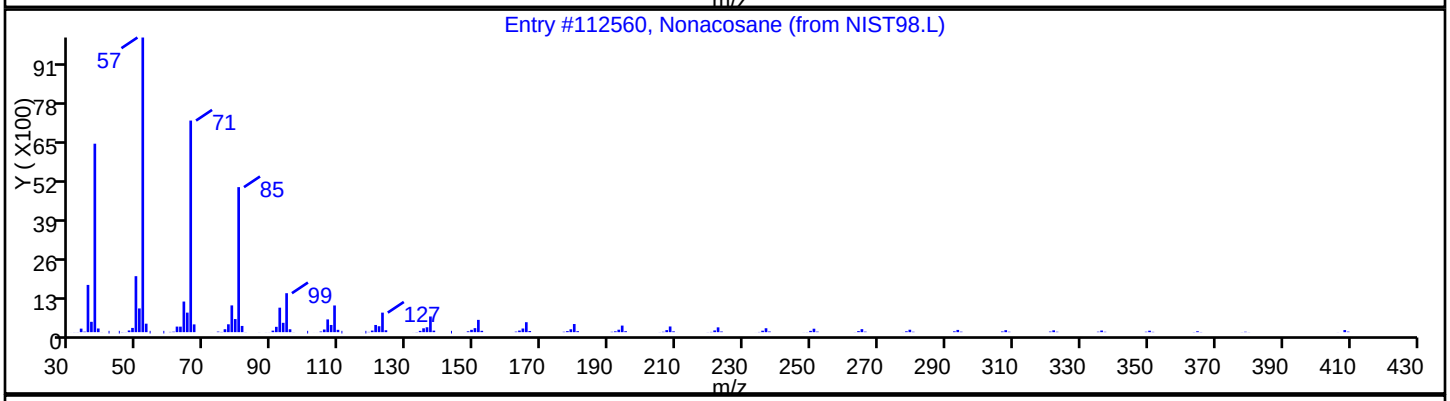
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

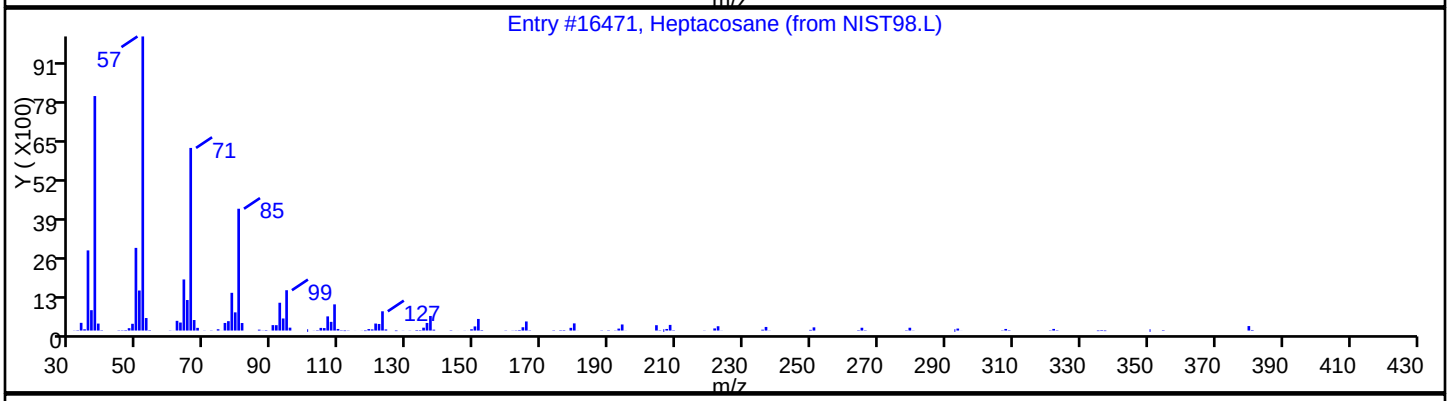
Sample Info: 360-24582-a-20-c 10X

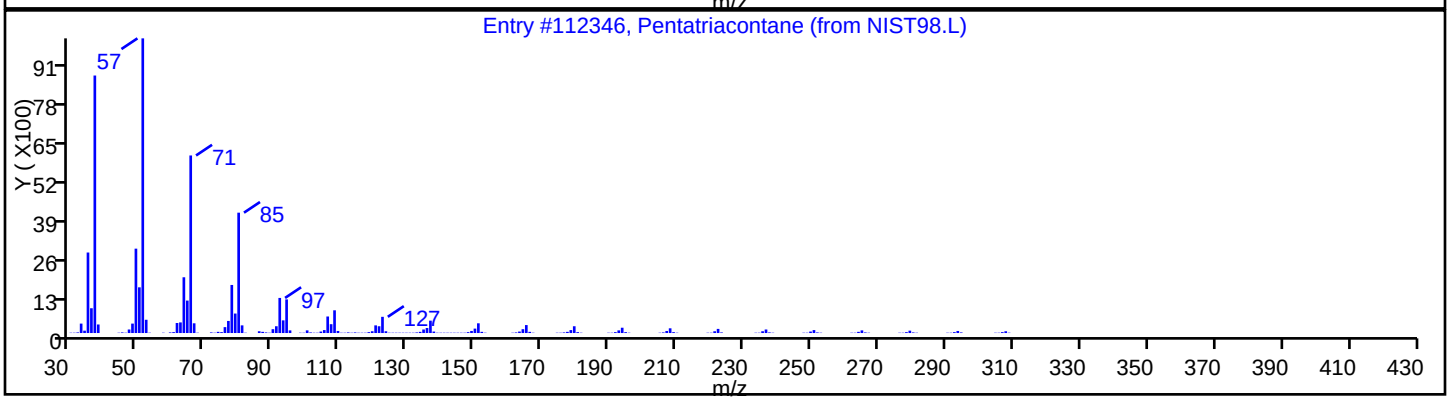
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	98
Heptacosane	593-49-7	NIST98.L	16471	94
Pentatriacontane	630-7-9	NIST98.L	112346	91









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

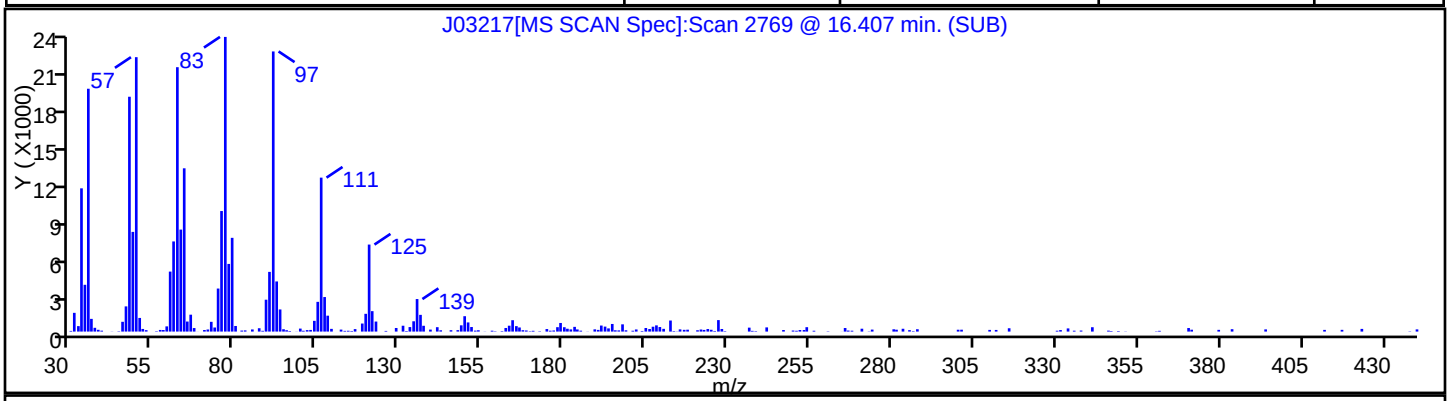
Lims Batch ID: 49648 Lims Sample ID: 36

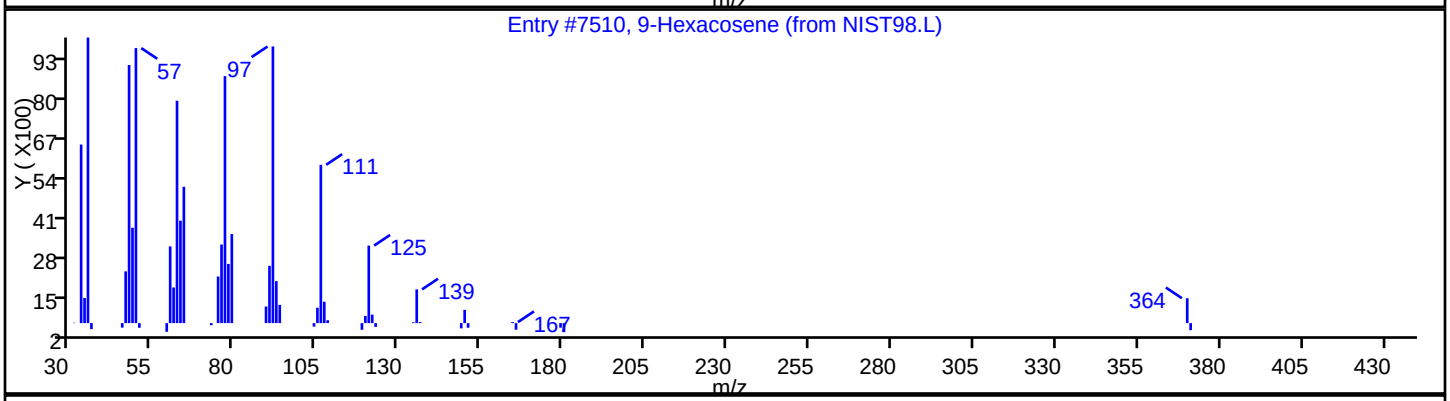
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

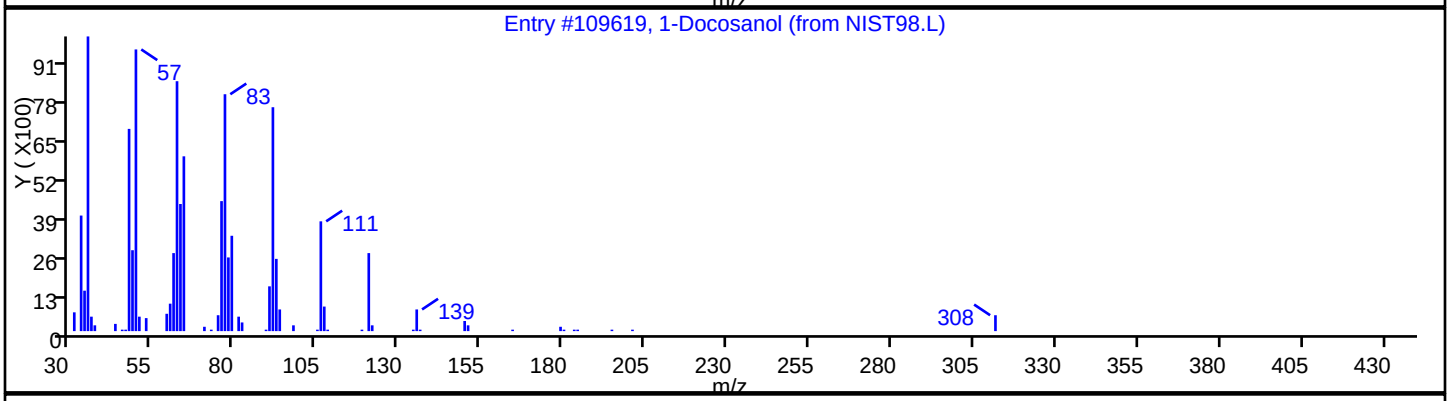
Sample Info: 360-24582-a-20-c 10X

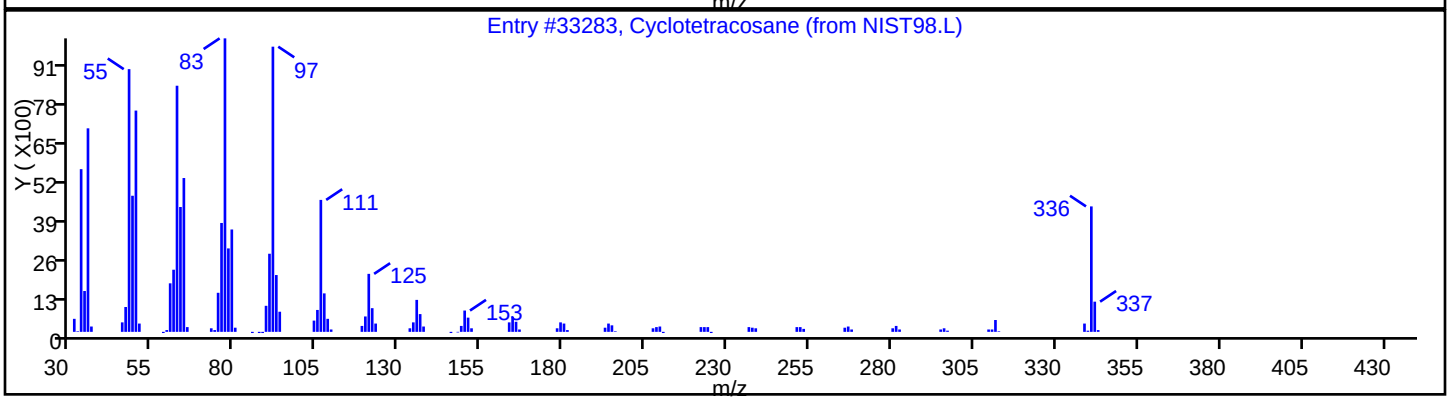
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
9-Hexacosene	71502-22-2	NIST98.L	7510	91
1-Docosanol	661-19-8	NIST98.L	109619	90
Cyclotetracosane	297-3-0	NIST98.L	33283	87









Report Date: 30-Sep-2009 09:53:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

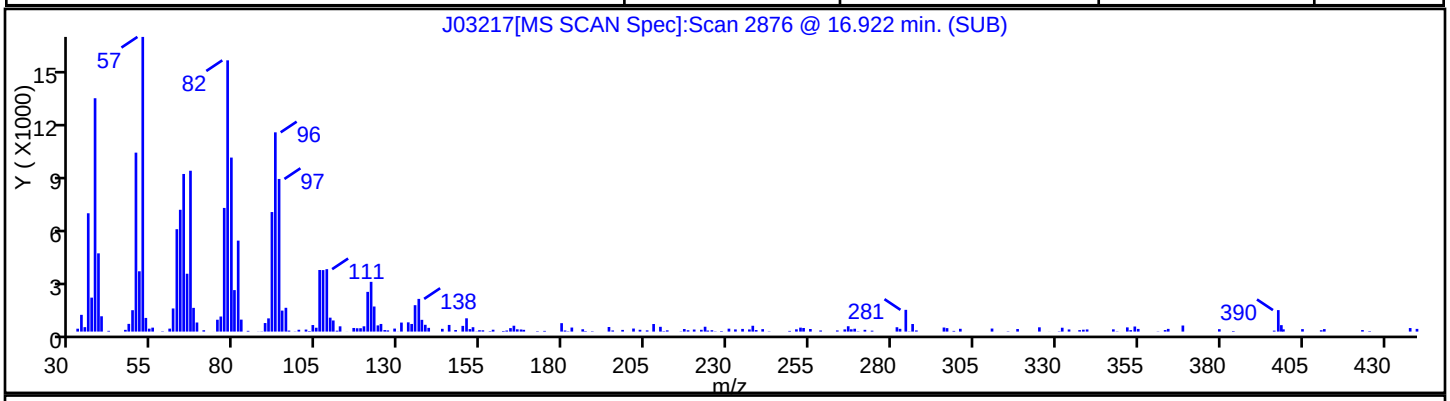
Lims Batch ID: 49648 Lims Sample ID: 36

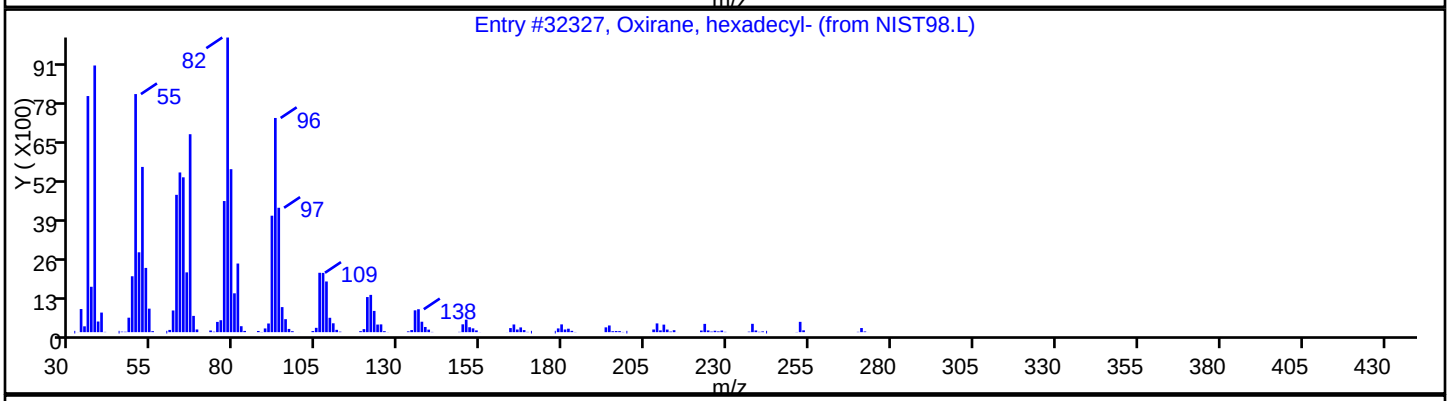
Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

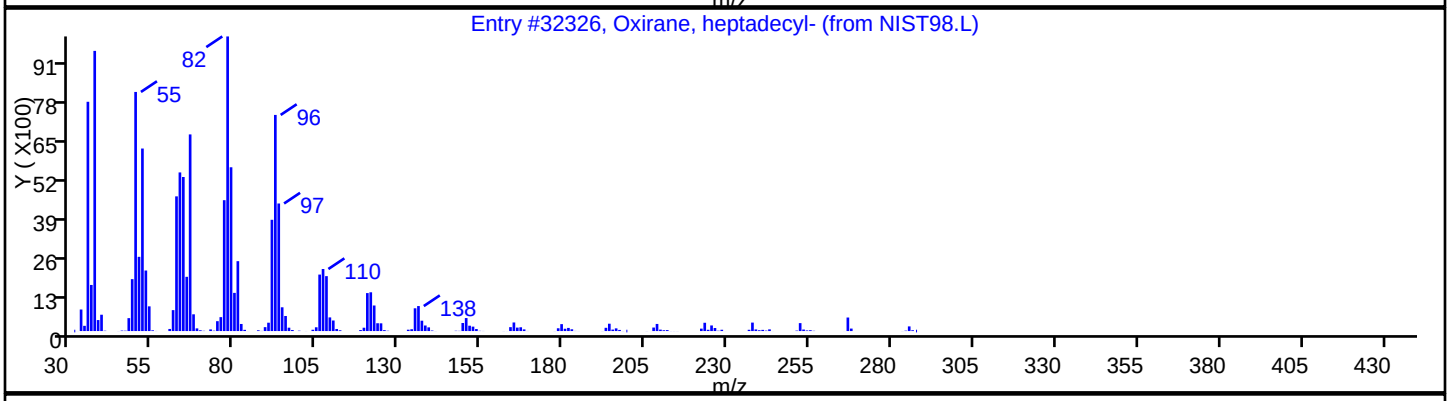
Sample Info: 360-24582-a-20-c 10X

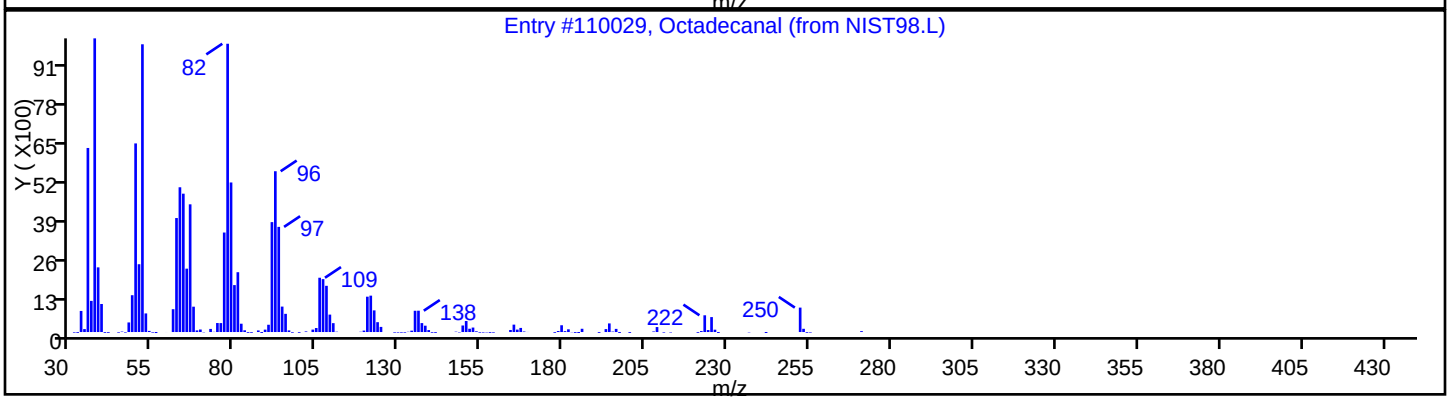
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	91
Octadecanal	638-66-4	NIST98.L	110029	91









Report Date: 30-Sep-2009 09:53:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03217.D

Inj Date: 29-Sep-2009 08:44:30 Limit Group: SMS - 8270LL SVOA Calibration

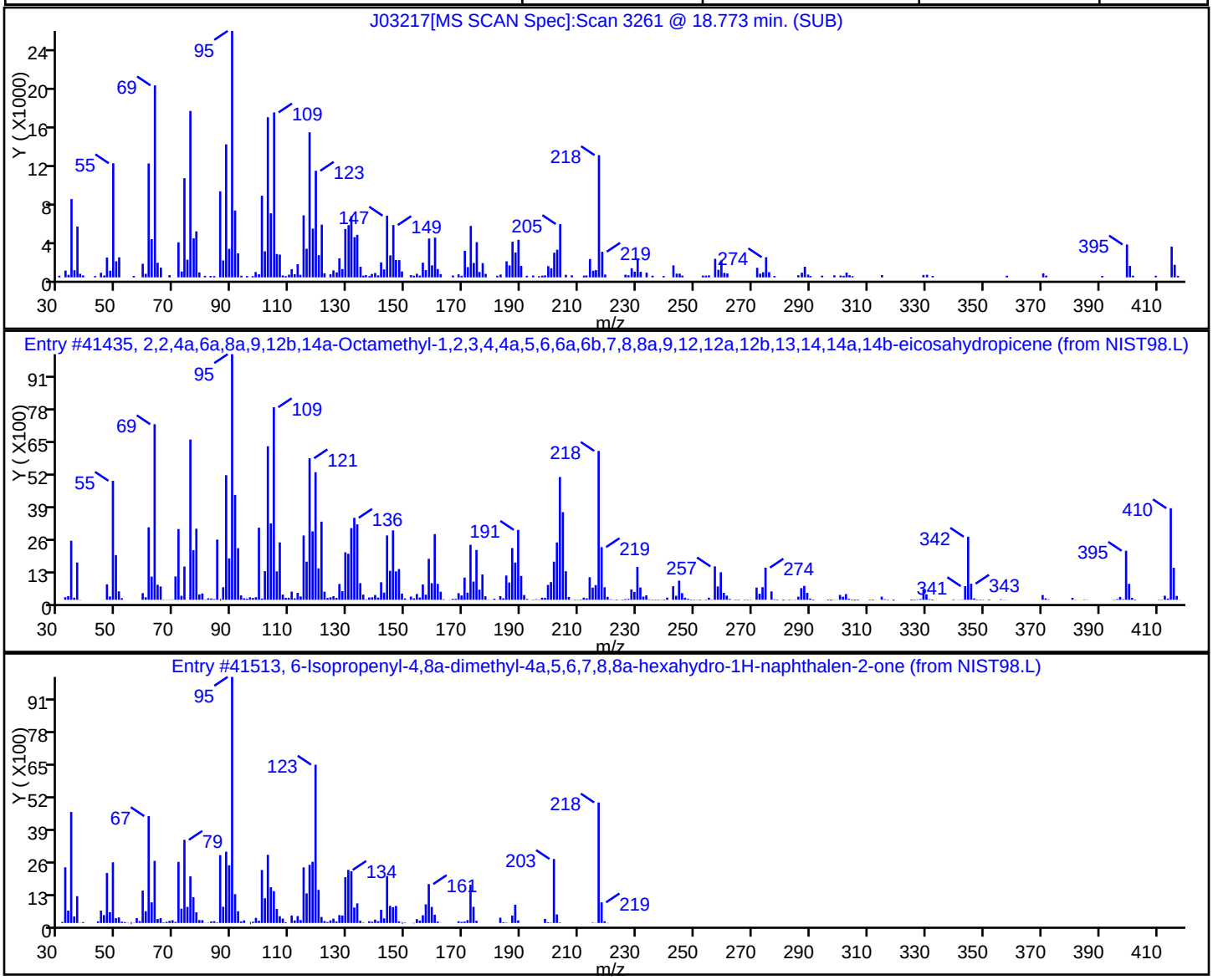
Lims Batch ID: 49648 Lims Sample ID: 36

Client ID: OC-SS-415-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24582-a-20-c 10X

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,2,4a,6a,8a,9,12b,14a-Octamethyl-1,2,3,	1000194-63-7	NIST98.L	41435	96
6-Isopropenyl-4,8a-dimethyl-4a,5,6,7,8,8	86917-79-5	NIST98.L	41513	50



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: B10706.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.54(g) | Date Analyzed: 10/03/2009 22:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		360	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		360	110
120-82-1	1,2,4-Trichlorobenzene	ND		360	110
95-50-1	1,2-Dichlorobenzene	ND		360	110
541-73-1	1,3-Dichlorobenzene	ND		360	110
106-46-7	1,4-Dichlorobenzene	ND		360	110
90-12-0	1-Methylnaphthalene	ND		360	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		360	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		360	110
95-95-4	2,4,5-Trichlorophenol	ND		360	110
88-06-2	2,4,6-Trichlorophenol	ND		360	110
120-83-2	2,4-Dichlorophenol	ND		360	110
105-67-9	2,4-Dimethylphenol	ND		360	140
51-28-5	2,4-Dinitrophenol	ND		360	110
121-14-2	2,4-Dinitrotoluene	ND		360	110
606-20-2	2,6-Dinitrotoluene	ND		360	110
91-58-7	2-Chloronaphthalene	ND		360	110
95-57-8	2-Chlorophenol	ND		360	110
91-57-6	2-Methylnaphthalene	ND		360	110
95-48-7	2-Methylphenol	ND		360	210
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		360	110
15831-10-4	3 & 4 Methylphenol	ND		360	110
91-94-1	3,3'-Dichlorobenzidine	ND		720	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		360	110
59-50-7	4-Chloro-3-methylphenol	ND		720	110
106-47-8	4-Chloroaniline	ND		720	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		360	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		360	110
208-96-8	Acenaphthylene	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: B10706.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.54(g) | Date Analyzed: 10/03/2009 22:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		360	110
62-53-3	Aniline	ND	*	360	110
120-12-7	Anthracene	ND		360	110
1912-24-9	Atrazine	ND		360	110
103-33-3	Azobenzene	ND		360	110
100-52-7	Benzaldehyde	ND		360	110
56-55-3	Benzo[a]anthracene	410		360	110
50-32-8	Benzo[a]pyrene	480		360	110
205-99-2	Benzo[b]fluoranthene	640		360	110
191-24-2	Benzo[g,h,i]perylene	240	J	360	110
207-08-9	Benzo[k]fluoranthene	310	J	360	110
65-85-0	Benzoic acid	500	J B	1800	160
119-61-9	Benzophenone	ND		360	110
100-51-6	Benzyl alcohol	ND		720	300
111-91-1	Bis(2-chloroethoxy)methane	ND		360	110
111-44-4	Bis(2-chloroethyl)ether	ND		360	110
117-81-7	Bis(2-ethylhexyl) phthalate	500		360	110
85-68-7	Butyl benzyl phthalate	ND		360	110
105-60-2	Caprolactam	ND		360	110
86-74-8	Carbazole	ND		360	110
218-01-9	Chrysene	620		360	110
53-70-3	Dibenz(a,h)anthracene	ND		360	110
132-64-9	Dibenzofuran	ND		360	110
84-66-2	Diethyl phthalate	ND		360	110
131-11-3	Dimethyl phthalate	ND		360	110
84-74-2	Di-n-butyl phthalate	ND		360	310
117-84-0	Di-n-octyl phthalate	ND		360	180
101-84-8	Diphenyl oxide	ND		360	110
206-44-0	Fluoranthene	790		360	110
86-73-7	Fluorene	210	J	360	110
118-74-1	Hexachlorobenzene	ND		360	110
87-68-3	Hexachlorobutadiene	ND		360	110
77-47-4	Hexachlorocyclopentadiene	ND		720	110
67-72-1	Hexachloroethane	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: B10706.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.54(g) | Date Analyzed: 10/03/2009 22:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	260	J	360	110
78-59-1	Isophorone	ND		360	110
91-20-3	Naphthalene	ND		860	110
98-95-3	Nitrobenzene	ND		360	110
62-75-9	N-Nitrosodimethylamine	ND		360	130
621-64-7	N-Nitrosodi-n-propylamine	ND		360	110
86-30-6	N-Nitrosodiphenylamine	ND		360	110
87-86-5	Pentachlorophenol	ND		360	110
85-01-8	Phenanthrene	210	J	430	110
108-95-2	Phenol	ND		360	110
129-00-0	Pyrene	530		360	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	66	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	69	30-130	
4165-60-0	Nitrobenzene-d5	60	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	64	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: B10706.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.54(g) | Date Analyzed: 10/03/2009 22:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 56070

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1928-30-9	Tricosane, 2-methyl-	12.34	250	T J N
13475-76-8	Docosane, 11-butyl-	12.73	350	T J N
630-3-5	Nonacosane	13.18	360	T J N
55124-79-3	Heptadecane, 9-hexyl-	13.74	460	T J N
629-78-7	Heptadecane	14.42	1400	T J N
7225-64-1	Heptadecane, 9-octyl-	15.19	3500	T J N
192-97-2	Benzo[e]pyrene	15.26	320	T J N
74298-93-4	1,1''-Biphenyl, 2,3'',4,5''-tetrachloro-4''-	15.62	47000	T J N
544-76-3	Hexadecane	15.72	730	T J N
630-2-4	Octacosane	16.15	1700	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Lims ID:	360-24582-A-21-D	Client ID:	OC-SS-416-0.0/1.0-DUP
Inject. Date:	03-Oct-2009 22:23:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	24582-21 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49826	Lims Sample ID:	38
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:05:41	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	06-Oct-2009 17:05:53

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.628	6.632	-0.004	198343	2.00	
* 2 Naphthalene-d8	136	7.777	7.777	0.000	479487	2.00	
* 3 Acenaphthene-d10	164	9.258	9.263	-0.005	230143	2.00	
* 4 Phenanthrene-d10	188	10.494	10.499	-0.005	390015	2.00	
* 5 Chrysene-d12	240	12.898	12.903	-0.005	300773	2.00	
* 6 Perylene-d12	264	15.437	15.432	0.005	189927	2.00	
$ 7 2-Fluorophenol	112	5.238	5.218	0.020	41952	0.6936	
$ 8 Phenol-d5	99	6.310	6.310	0.000	55772	0.6629	
$ 9 Nitrobenzene-d5	82	7.147	7.147	0.000	28539	0.3010	
$ 10 2-Fluorobiphenyl	172	8.691	8.690	0.001	56202	0.3094	
$ 11 2,4,6-Tribromophenol	330	9.917	9.917	0.000	10146	0.6565	
$ 12 Terphenyl-d14	244	11.812	11.816	-0.004	43587	0.3210	
17 Benzaldehyde	105	6.205	6.209	-0.004	2082	0.0669	
30 Acetophenone	105	7.012	7.017	-0.005	3175	0.0314	
36 Benzoic acid	105	7.532	7.560	-0.028	6022	1.39	
41 Naphthalene	128	7.791	7.796	-0.005	3196	0.0137	
56 Dimethyl phthalate	163	9.022	9.027	-0.005	18229	0.1081	
58 Acenaphthylene	152	9.143	9.142	0.001	4601	0.0201	
61 Acenaphthene	153	9.287	9.287	0.000	1984	0.0128	
64 Dibenzofuran	168	9.426	9.431	-0.005	3186	0.0162	
66 Diethyl phthalate	149	9.609	9.609	0.000	1908	0.0111	
69 Fluorene	166	9.715	9.715	0.000	4257	0.5742	
72 N-Nitrosodiphenylamine	169	9.806	9.811	-0.005	4614	0.0299	
80 Phenanthrene	178	10.513	10.518	-0.005	137242	0.5950	
81 Anthracene	178	10.556	10.556	0.000	18778	0.0861	
83 Carbazole	167	10.691	10.691	0.000	24306	0.1284	
84 Di-n-butyl phthalate	149	10.965	10.965	0.000	33316	0.1167	
87 Fluoranthene	202	11.504	11.504	0.000	443337	2.20	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	11.696	11.696	0.000	335631	1.48	
93 Benzo[a]anthracene	228	12.889	12.888	0.001	171621	1.15	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	257447	1.40	
94 Chrysene	228	12.937	12.937	0.000	245997	1.73	
97 Benzo[b]fluoranthene	252	14.721	14.716	0.005	215685	1.79	
98 Benzo[k]fluoranthene	252	14.769	14.774	-0.005	93997	0.8784	M
99 Benzo[a]pyrene	252	15.346	15.346	0.000	126217	1.35	
100 Indeno[1,2,3-cd]pyrene	276	16.827	16.827	0.000	64691	0.7302	
101 Dibenz(a,h)anthracene	278	16.856	16.861	-0.005	15884	0.2131	
102 Benzo[g,h,i]perylene	276	17.197	17.202	-0.005	53121	0.6744	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Lims ID:	360-24582-A-21-D	Client ID:	OC-SS-416-0.0/1.0-DUP
Inject. Date:	03-Oct-2009 22:23:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	24582-21 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49826	Lims Sample ID:	38
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:05:41	Calib Date:	03-Oct-2009 20:33:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:05:53

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	9.806	4614	0.0299	
Benzidine	11.614	902	0.0209	
Alpha-Terpineol	7.743	3710	0.0484	
1,4-Dioxane	2.170	1822	0.0455	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
112-95-8 Eicosane						
12.009	443881	0.3489	5	97	112343	
1928-30-9 Tricosane, 2-methyl-						
12.341	895366	0.7037	5	97	109647	
13475-76-8 Docosane, 11-butyl-						
12.730	1261511	0.99	5	95	112389	
630-3-5 Nonacosane						
13.182	1275669	1.00	5	91	109621	
55124-79-3 Heptadecane, 9-hexyl-						
13.740	1639877	1.29	5	97	5595	
629-78-7 Heptadecane						
14.418	1103221	4.03	6	93	112319	
7225-64-1 Heptadecane, 9-octyl-						
15.192	2715431	9.92	6	96	16434	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
192-97-2 Benzo[e]pyrene						
15.259	246989	0.9019	6	93	127650	
74298-93-4 1,1'-Biphenyl, 2,3',4,5'-tetrachloro-4'-						
15.620	36251100	132.4	6	87	101400	
544-76-3 Hexadecane						
15.721	555581	2.03	6	97	112410	
630-2-4 Octacosane						
16.149	1317949	4.81	6	98	112312	

Quantitation Compounds

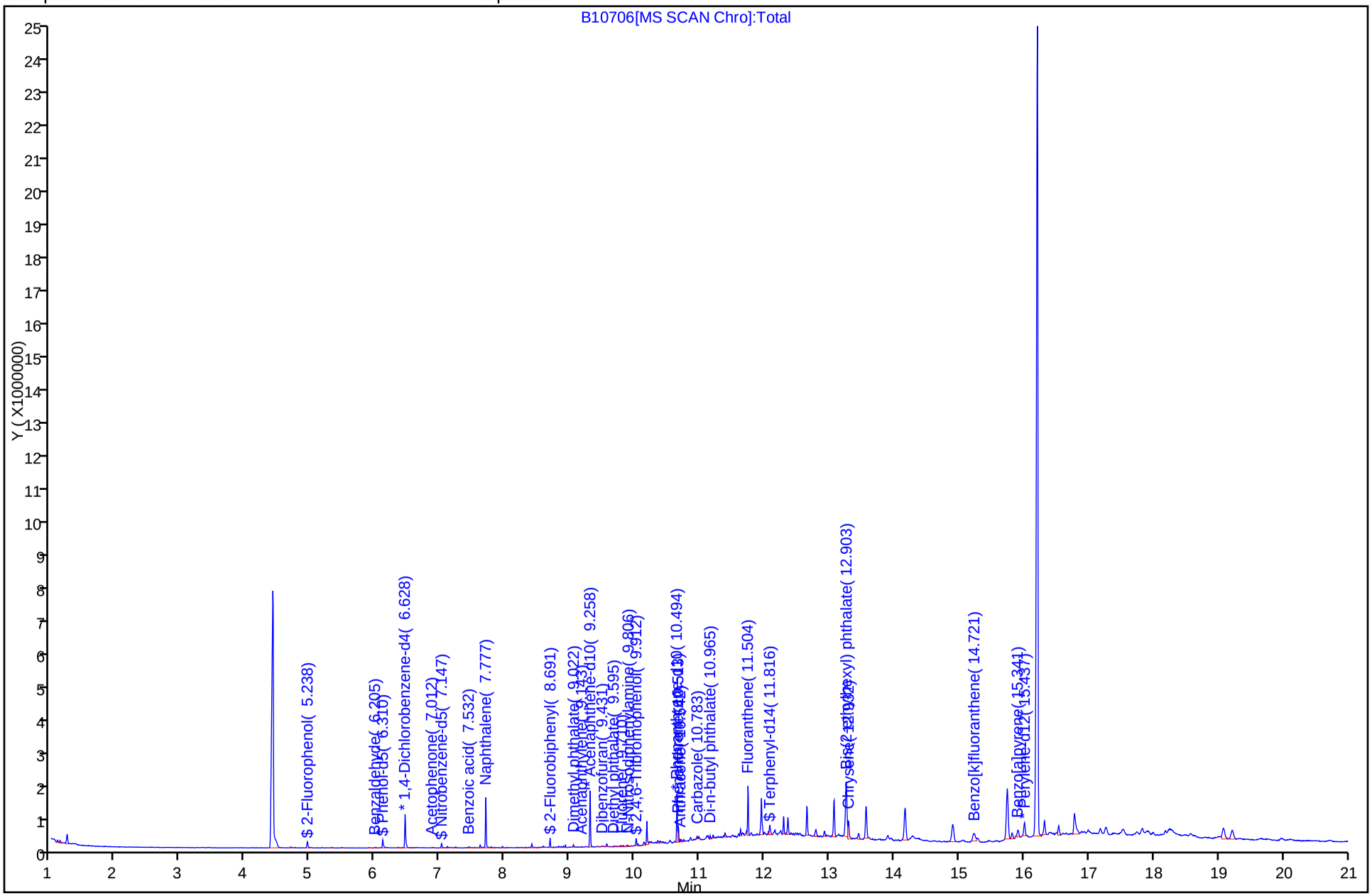
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	12.903	2544760	2.00
* 6 Perylene-d12	15.437	547693	2.00

QC Flag Legend

Processing Flags

Report Date: 06-Oct-2009 17:05:54 Chrom Revision: 1.1 01-Oct-2009 08:19:20

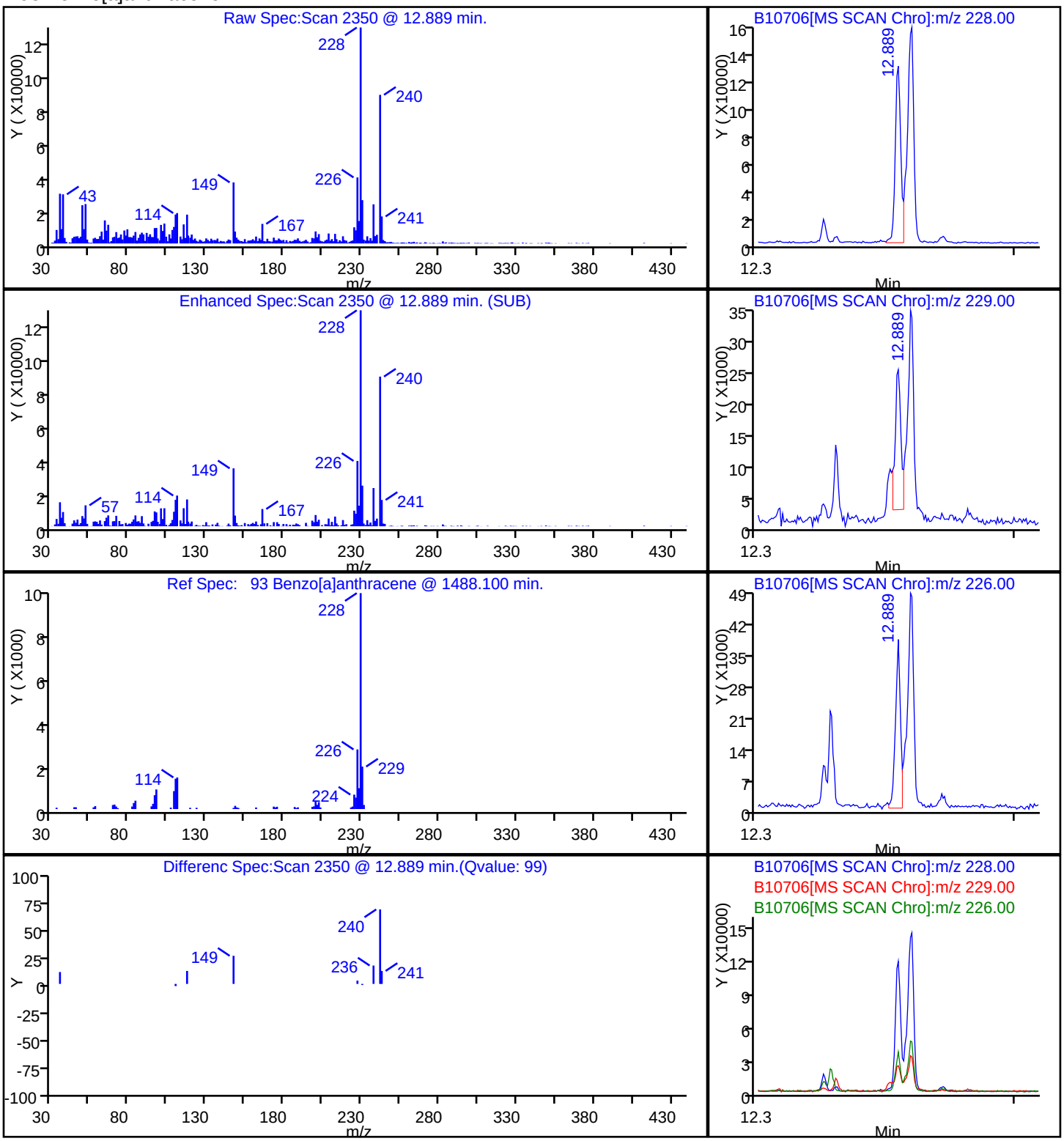
Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

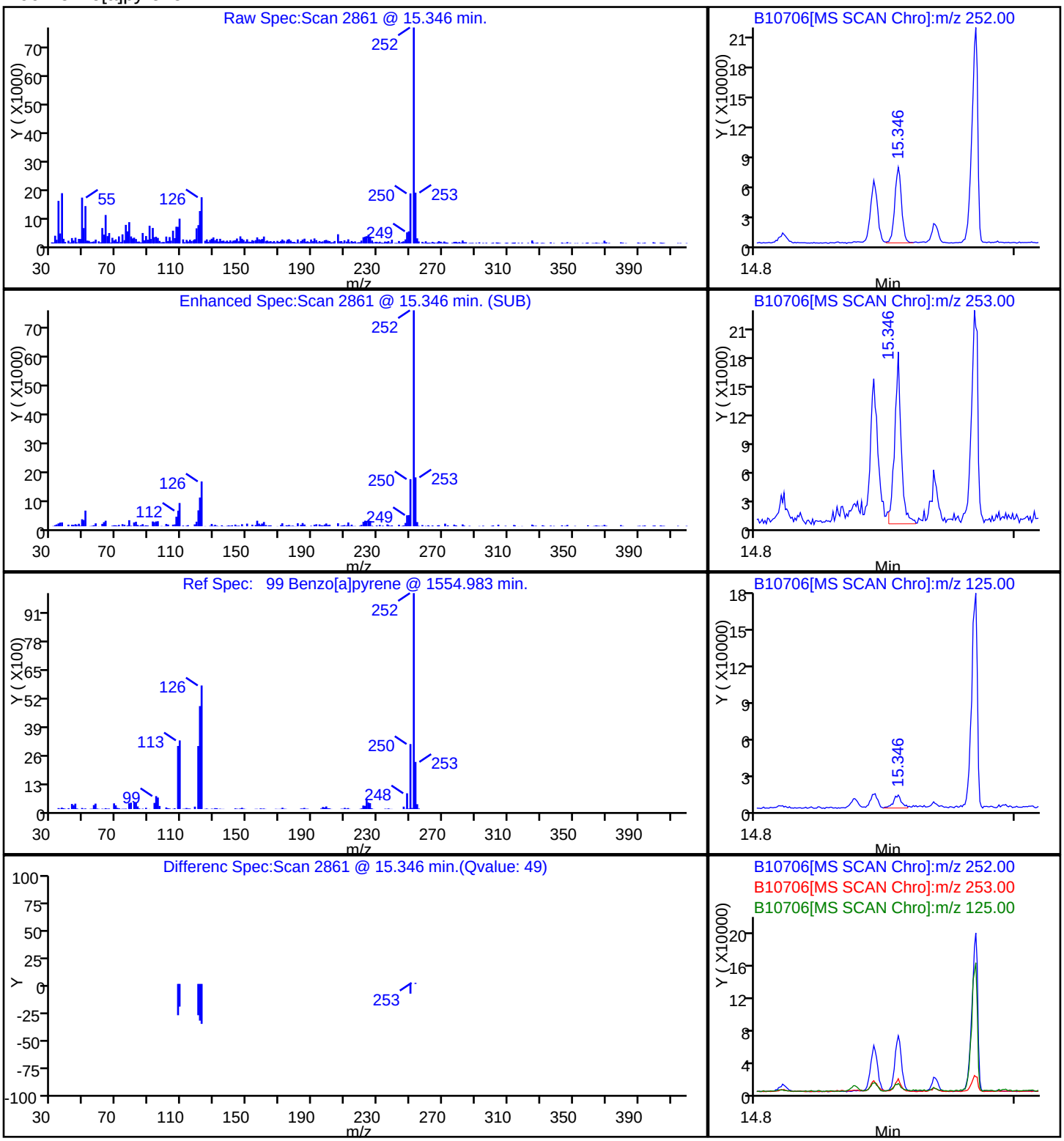
93 Benzo[a]anthracene



Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

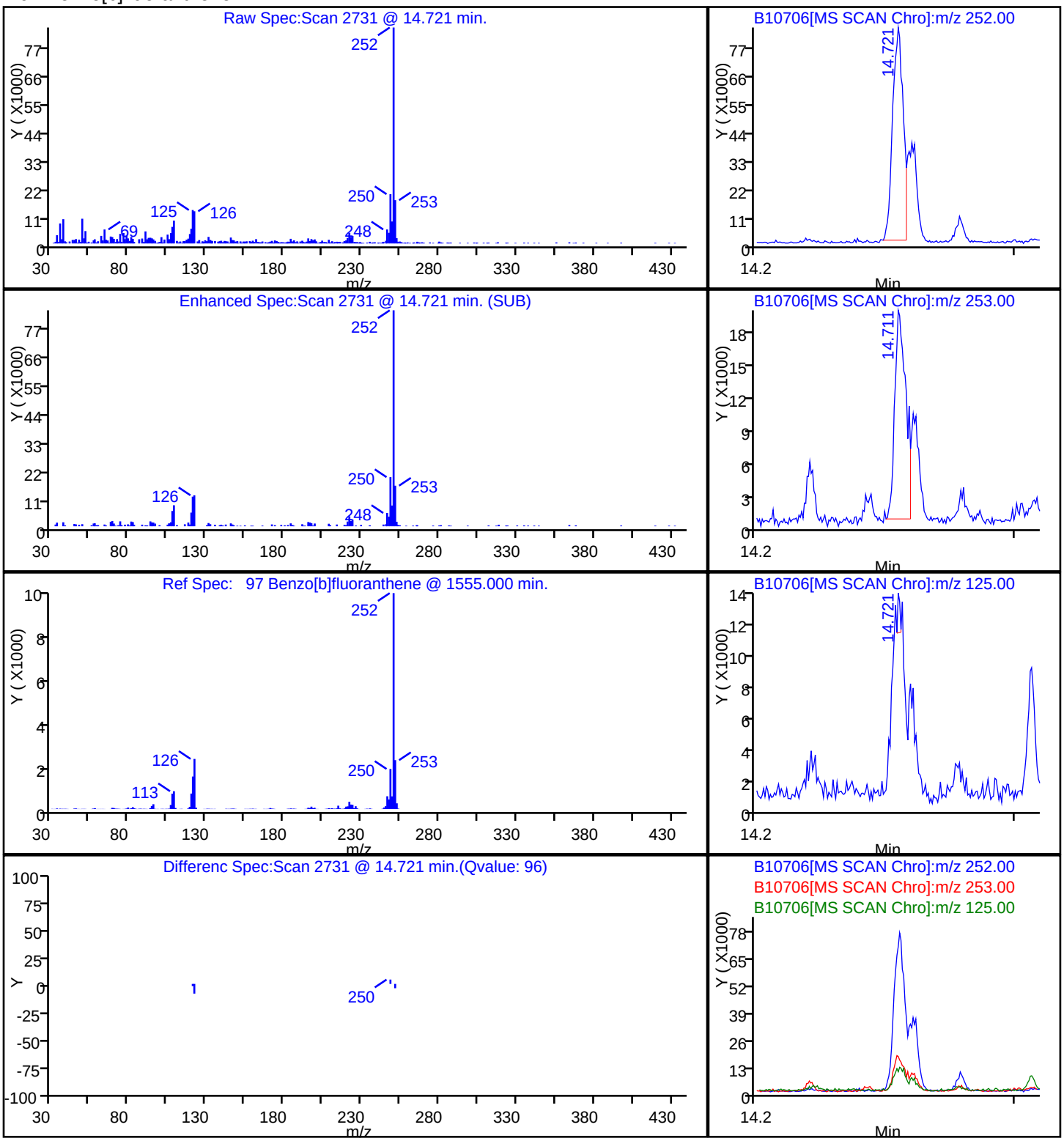
99 Benzo[a]pyrene



Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

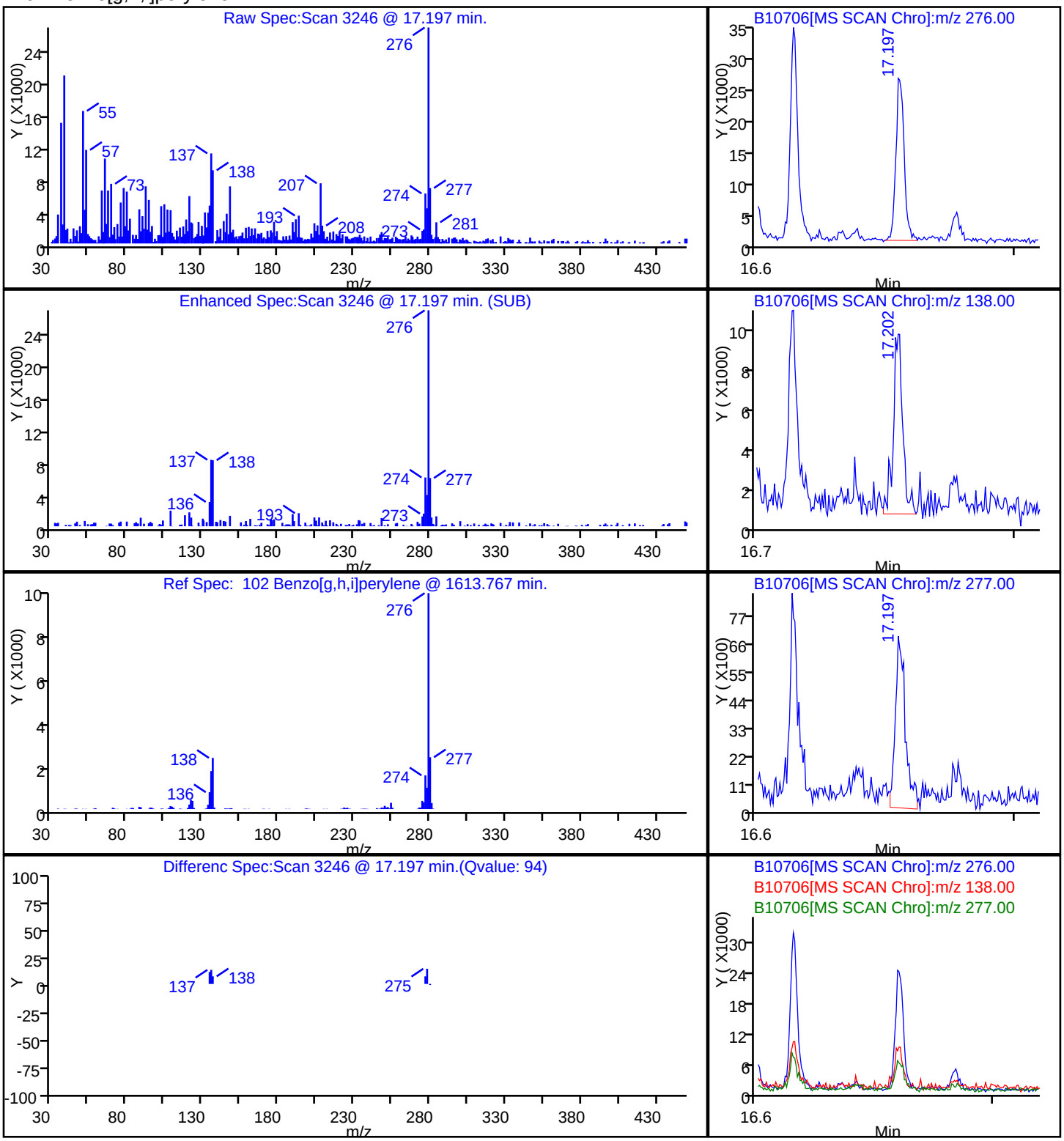
97 Benzo[b]fluoranthene



Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

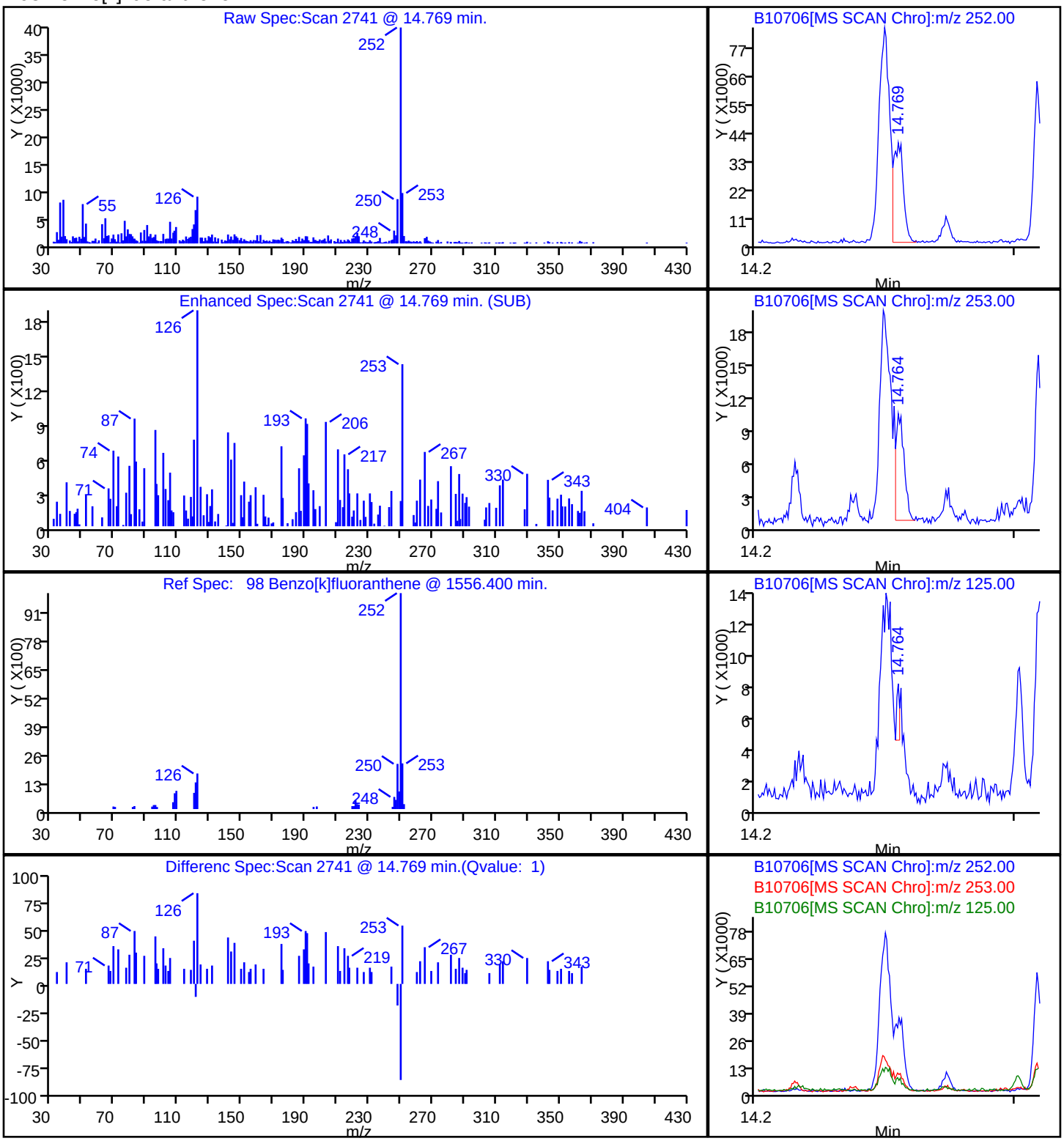
102 Benzo[g,h,i]perylene



Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

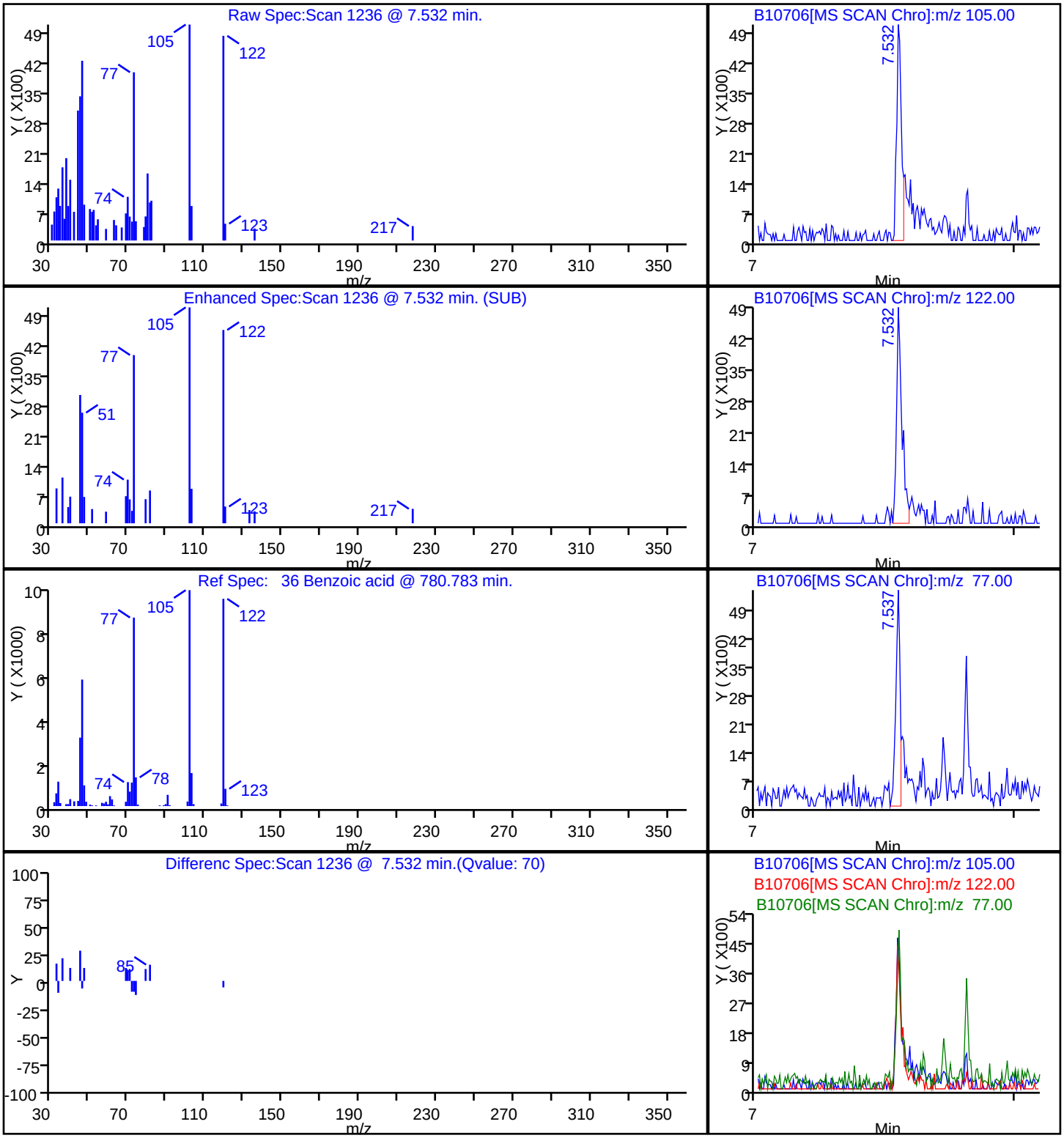
98 Benzo[k]fluoranthene



Report Date: 06-Oct-2009 17:05:54 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

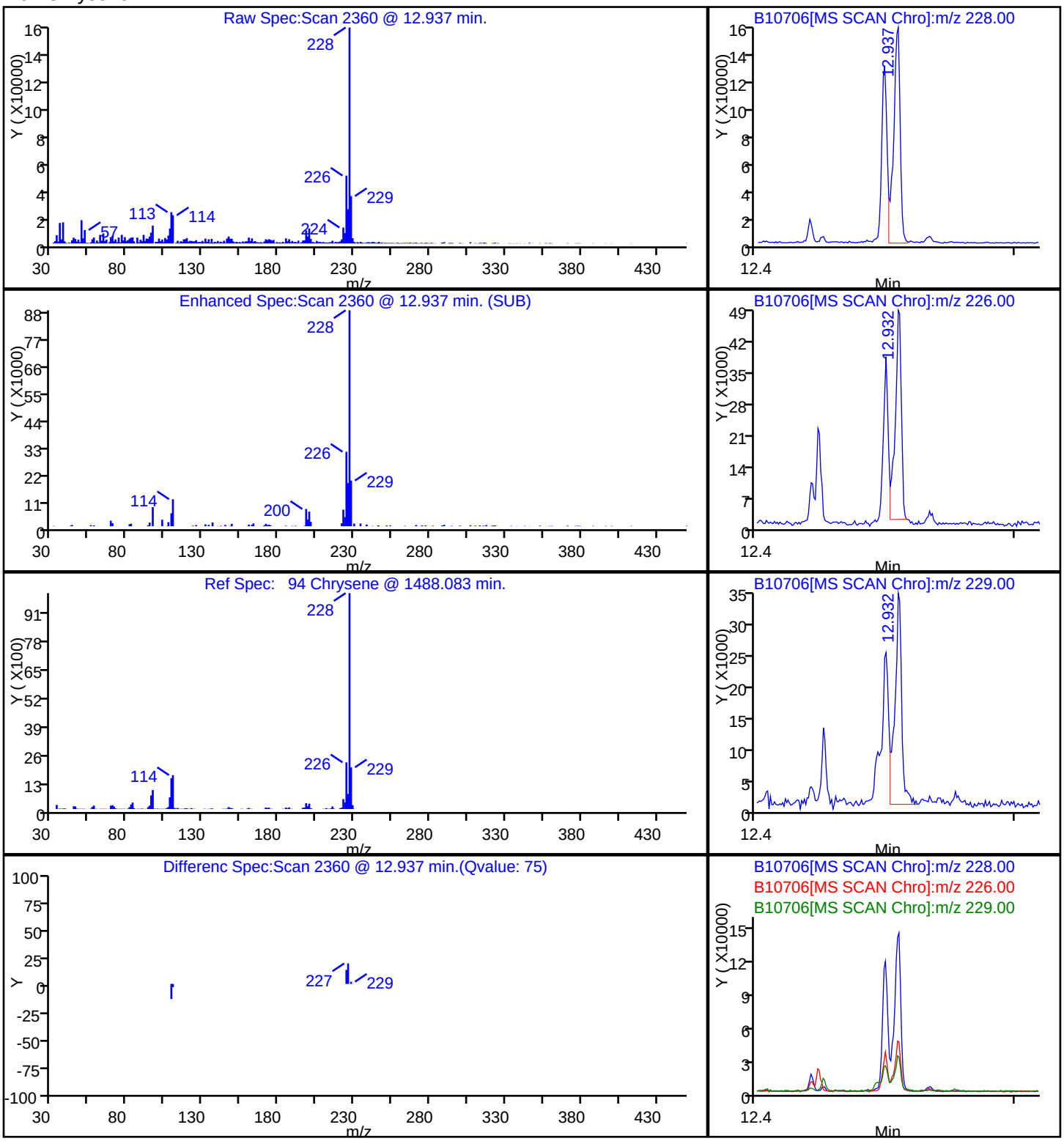
36 Benzoic acid



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

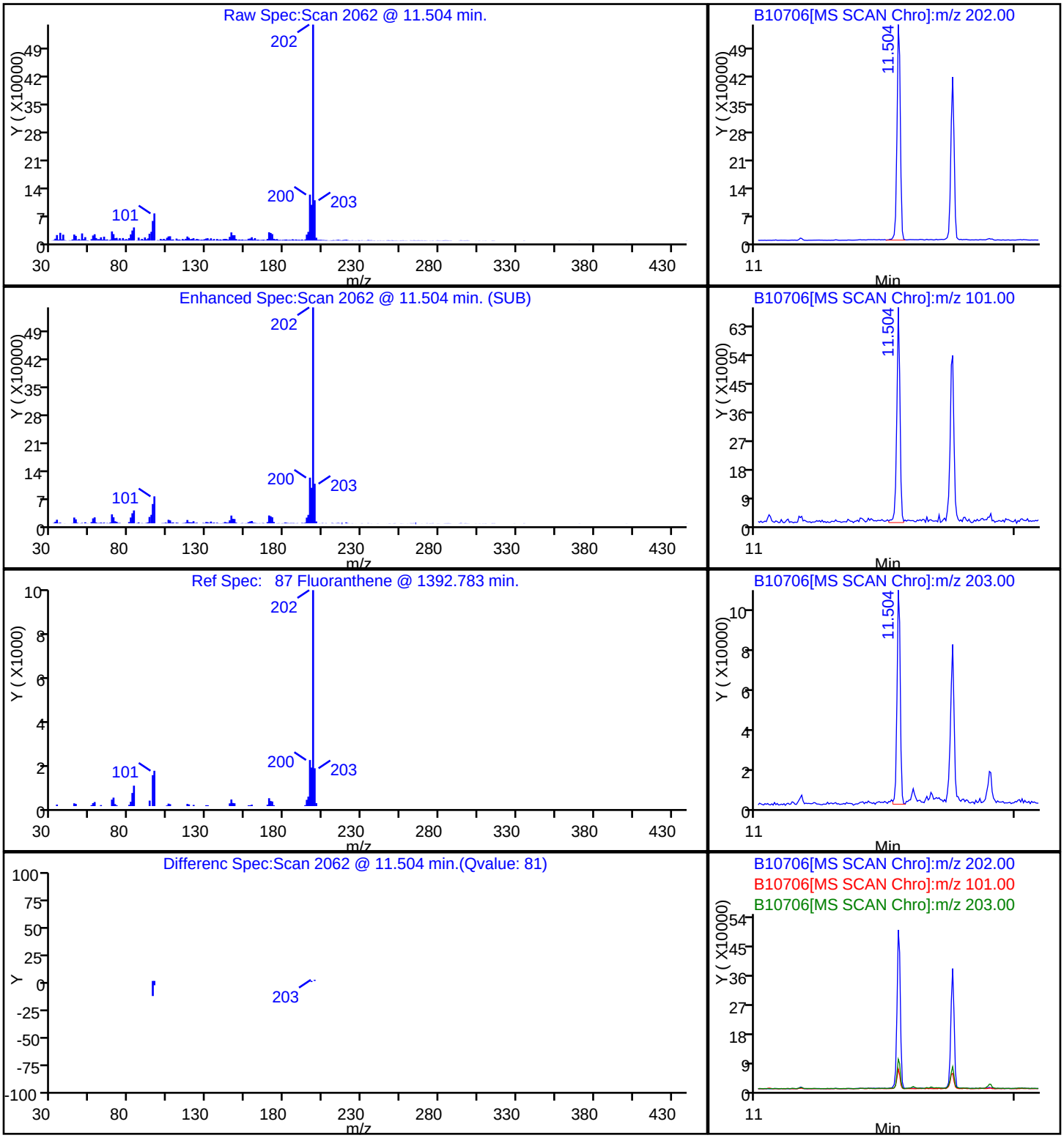
94 Chrysene



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

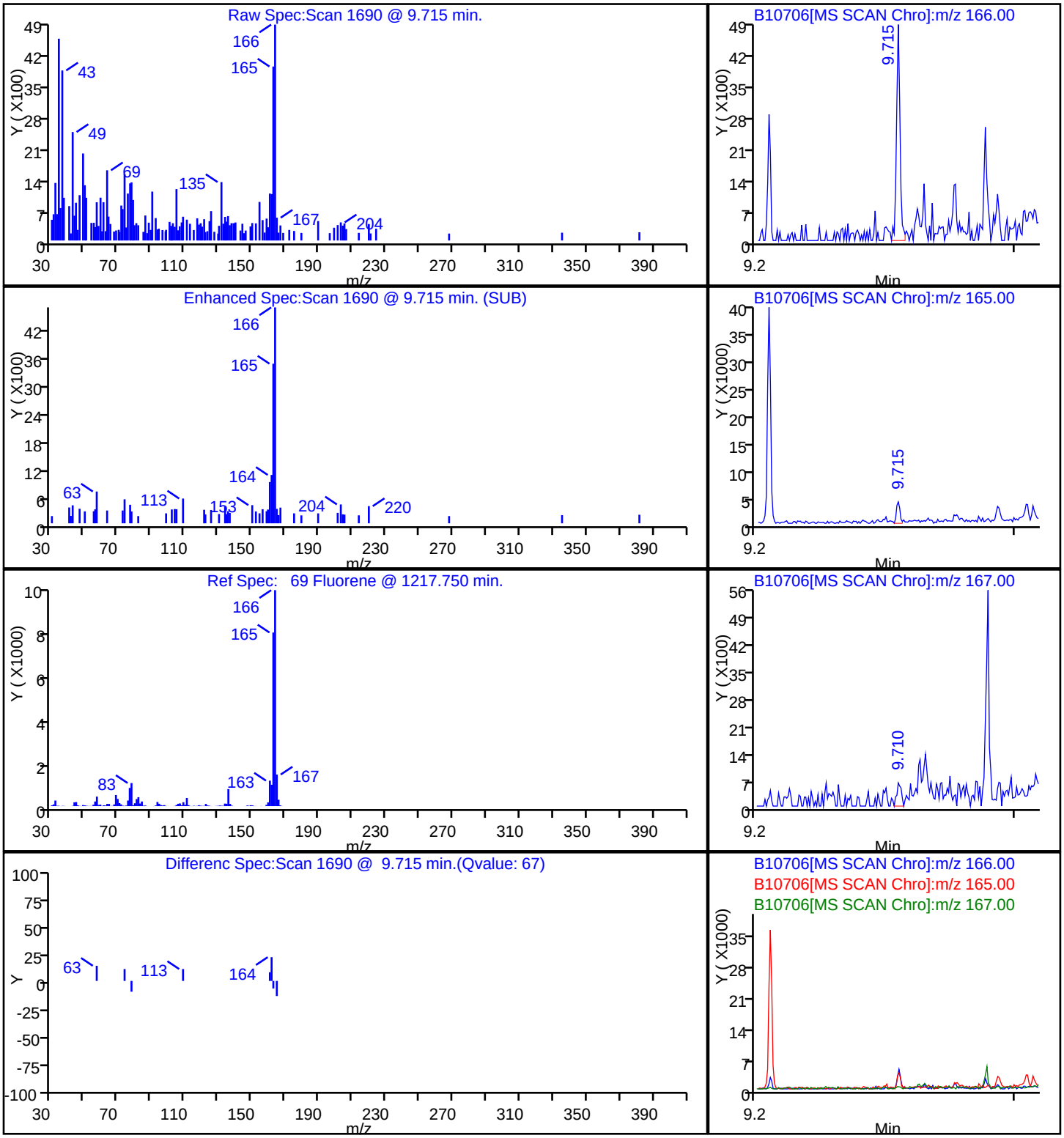
87 Fluoranthene



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

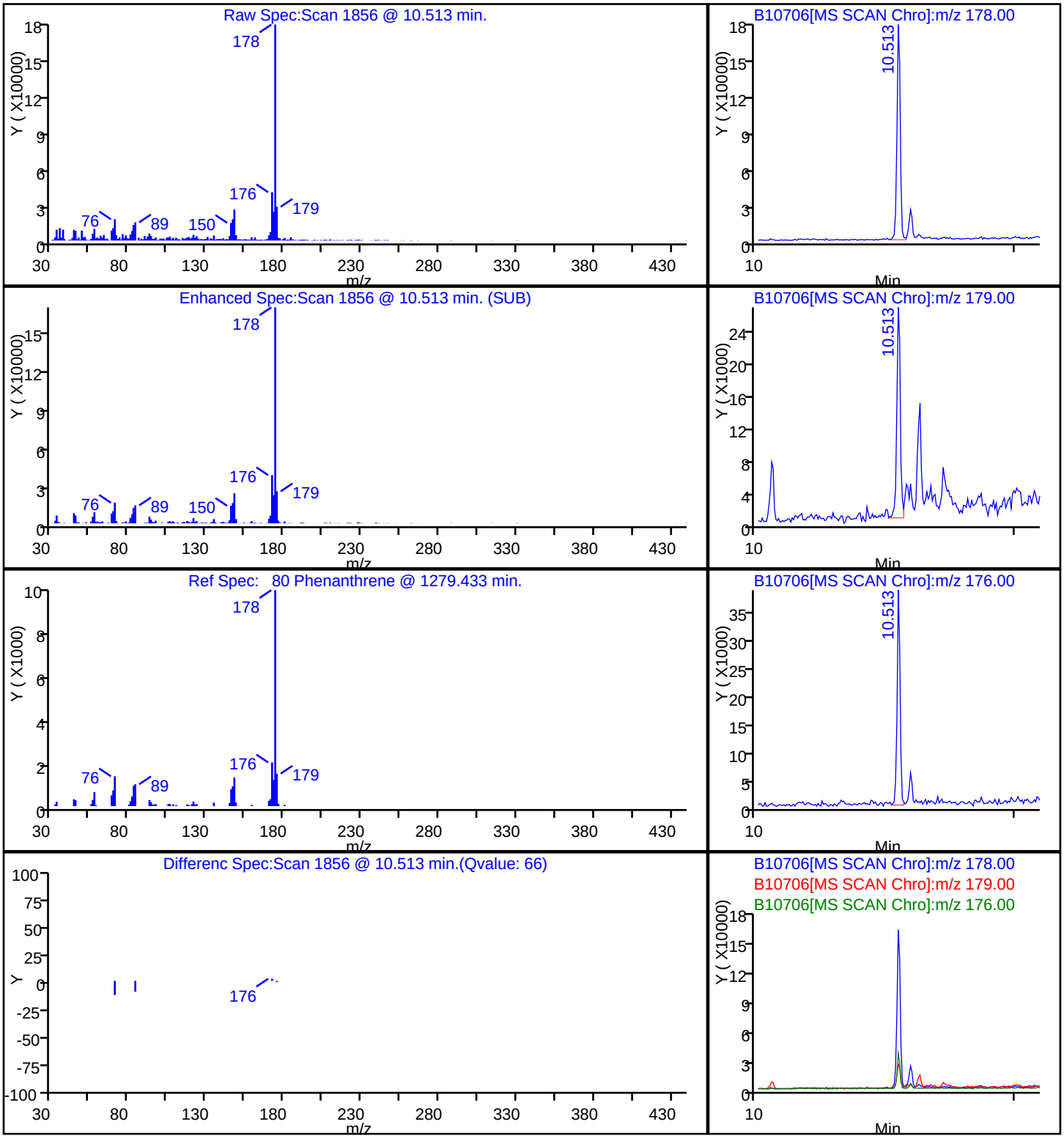
69 Fluorene



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

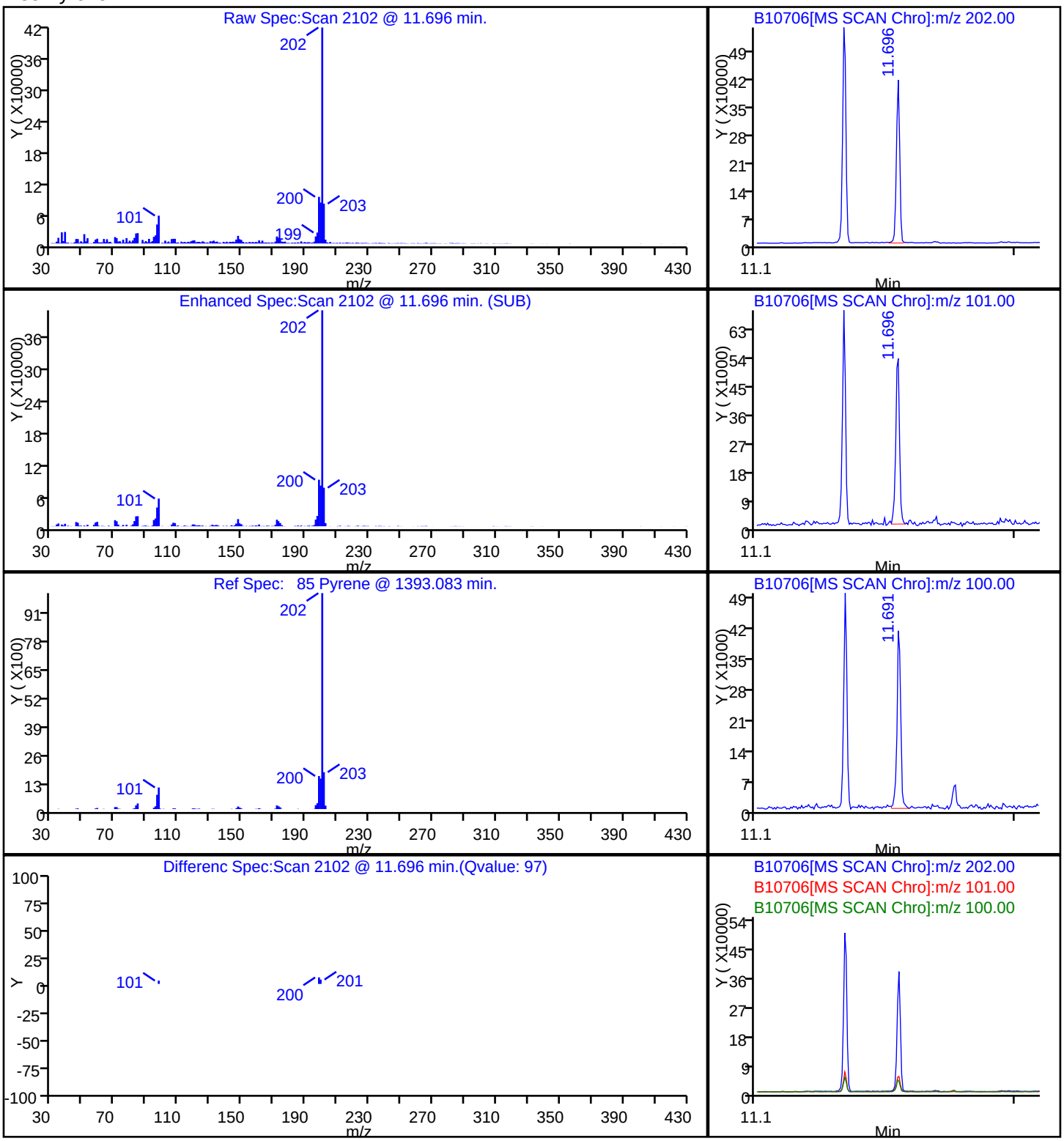
80 Phenanthrene



Report Date: 06-Oct-2009 17:05:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D		
Inj Date:	03-Oct-2009 22:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	38
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. B
Sample Info:	24582-21 10x		
Sample Amount:	1.00 ul	Operator:	MZ

85 Pyrene



Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

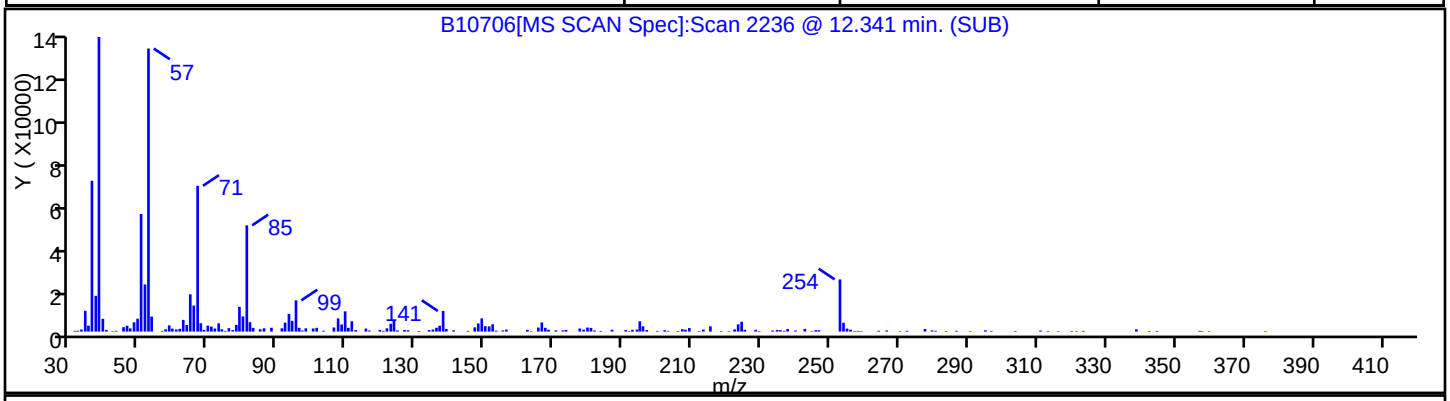
Lims Batch ID: 49826 Lims Sample ID: 38

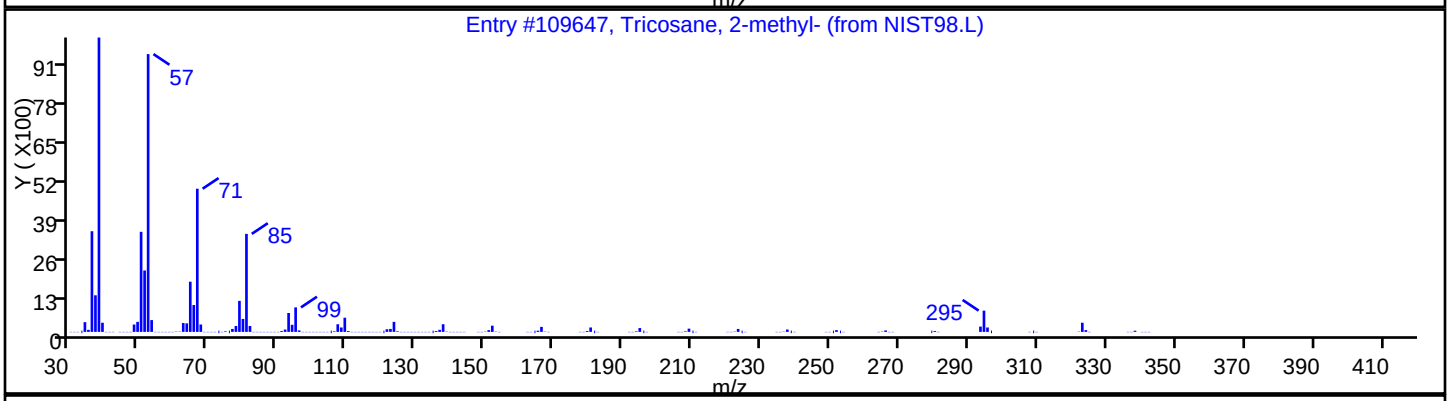
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

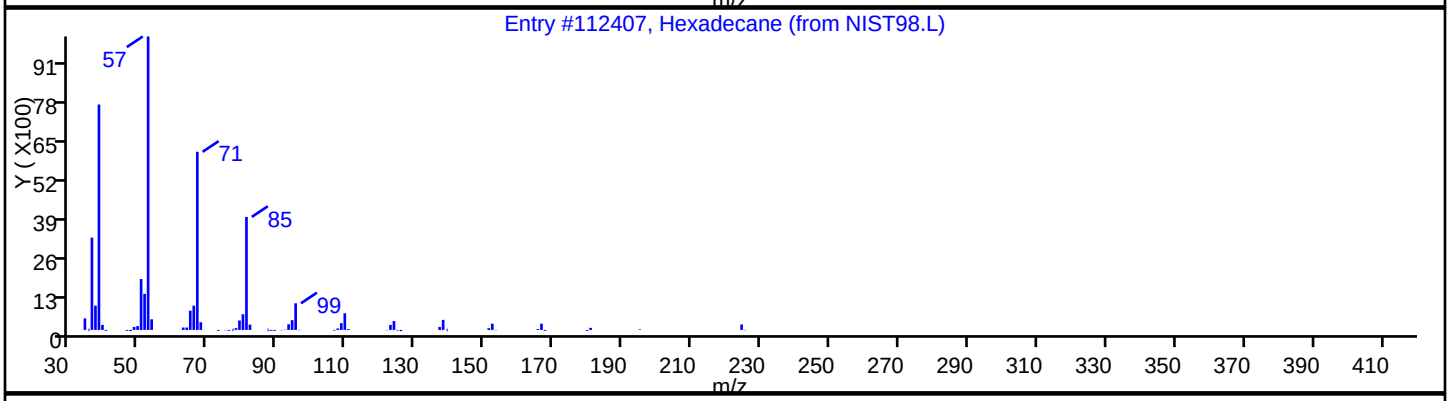
Sample Info: 24582-21 10x

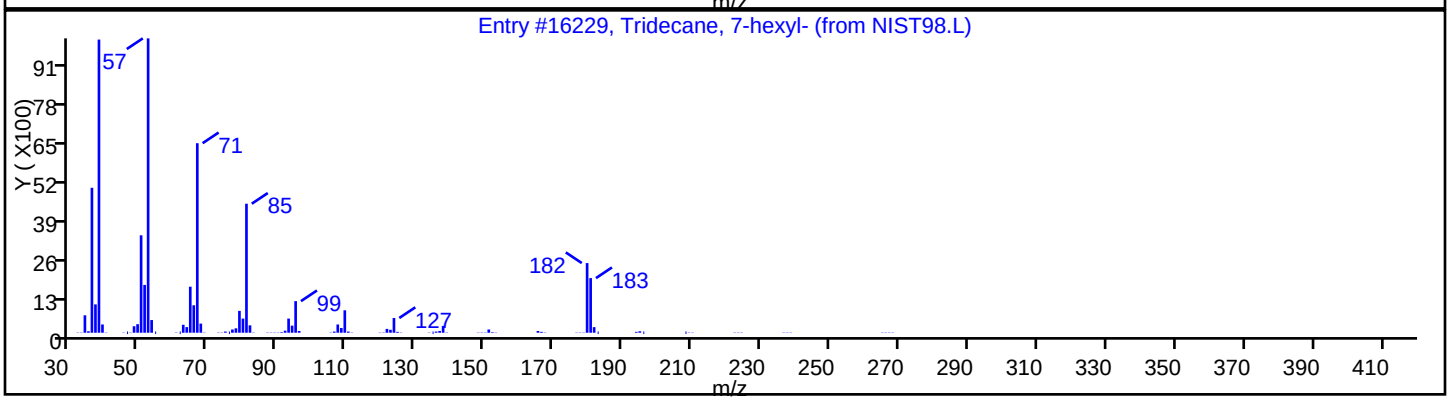
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109647	97
Hexadecane	544-76-3	NIST98.L	112407	96
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	93









Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

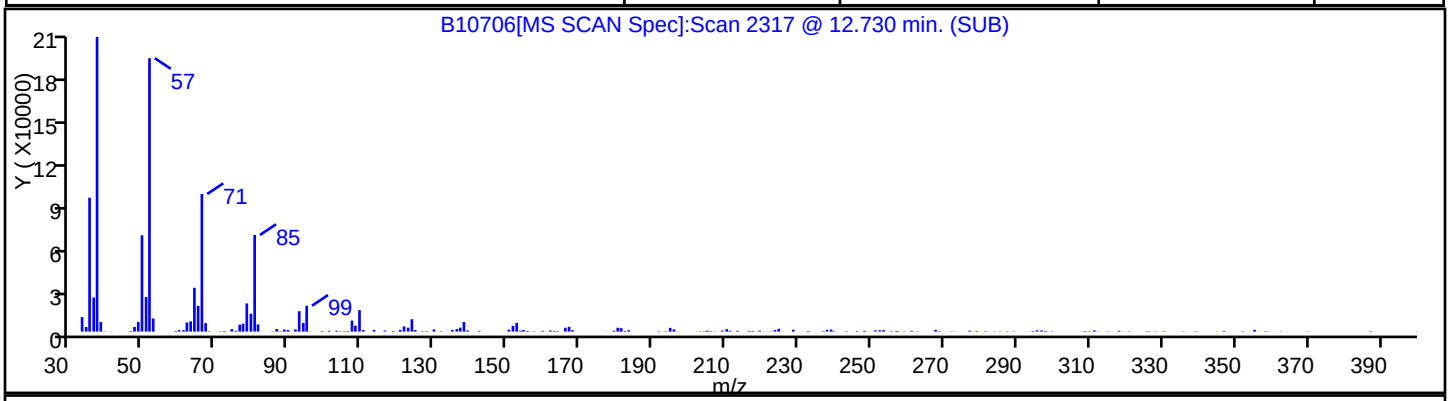
Lims Batch ID: 49826 Lims Sample ID: 38

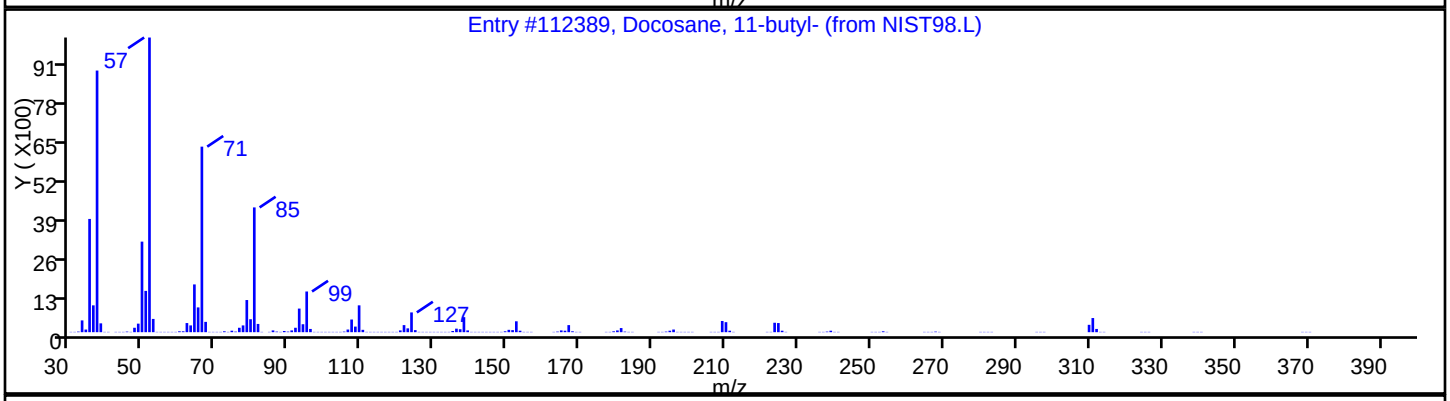
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

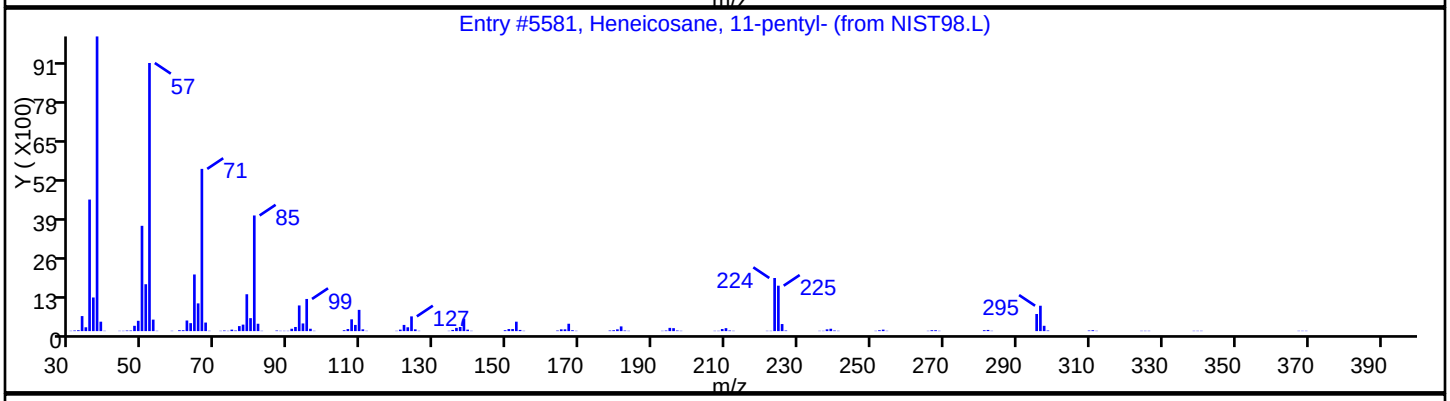
Sample Info: 24582-21 10x

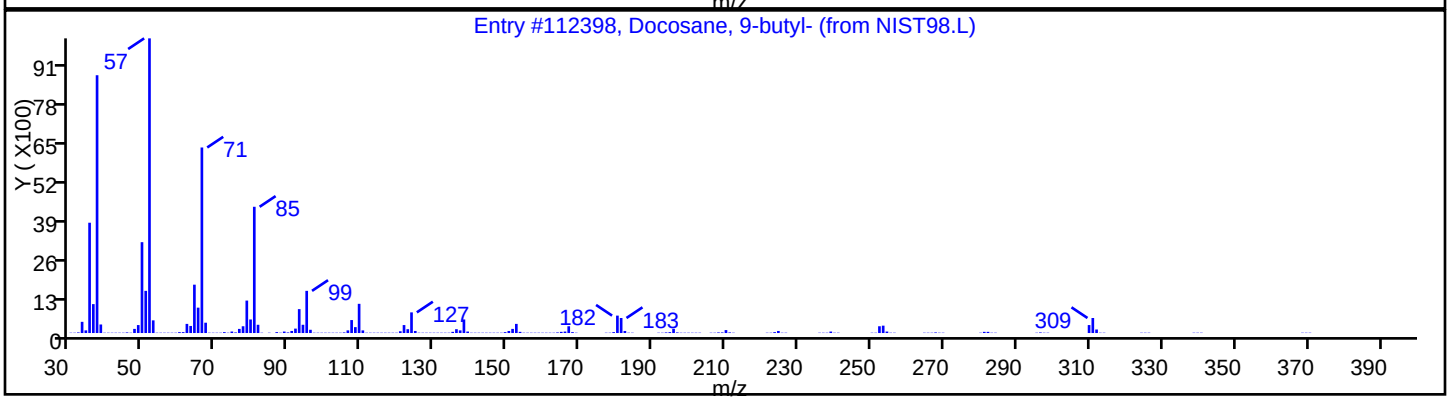
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	95
Heneicosane, 11-pentyl-	14739-72-1	NIST98.L	5581	95
Docosane, 9-butyl-	55282-14-9	NIST98.L	112398	94









Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

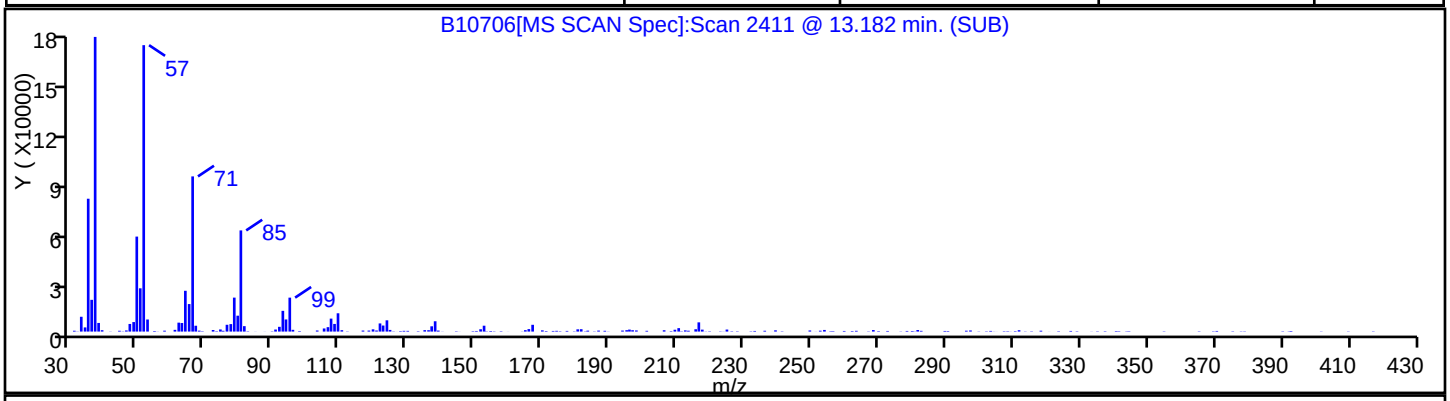
Lims Batch ID: 49826 Lims Sample ID: 38

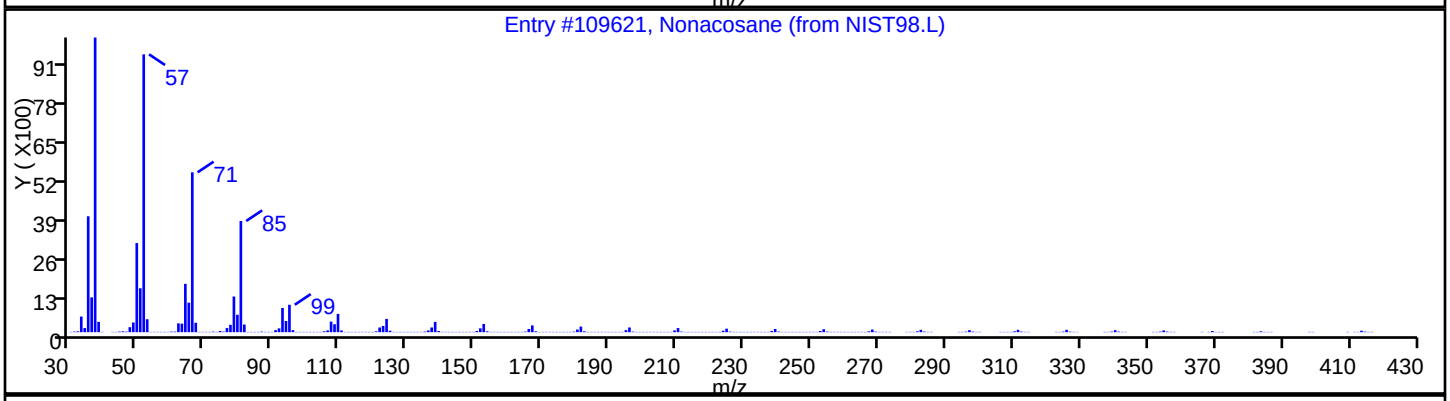
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

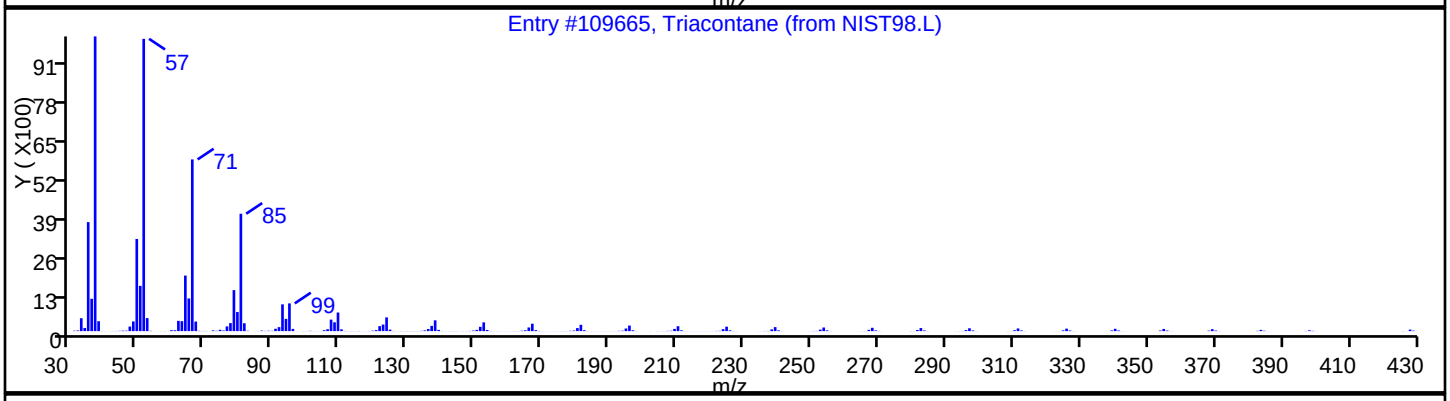
Sample Info: 24582-21 10x

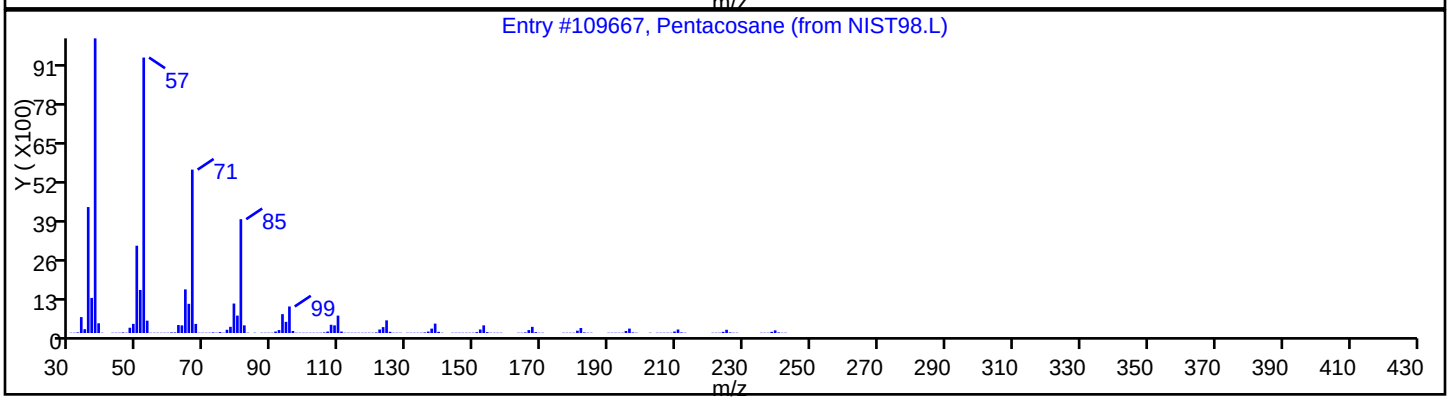
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	109621	91
Triacontane	638-68-6	NIST98.L	109665	91
Pentacosane	629-99-2	NIST98.L	109667	91









Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

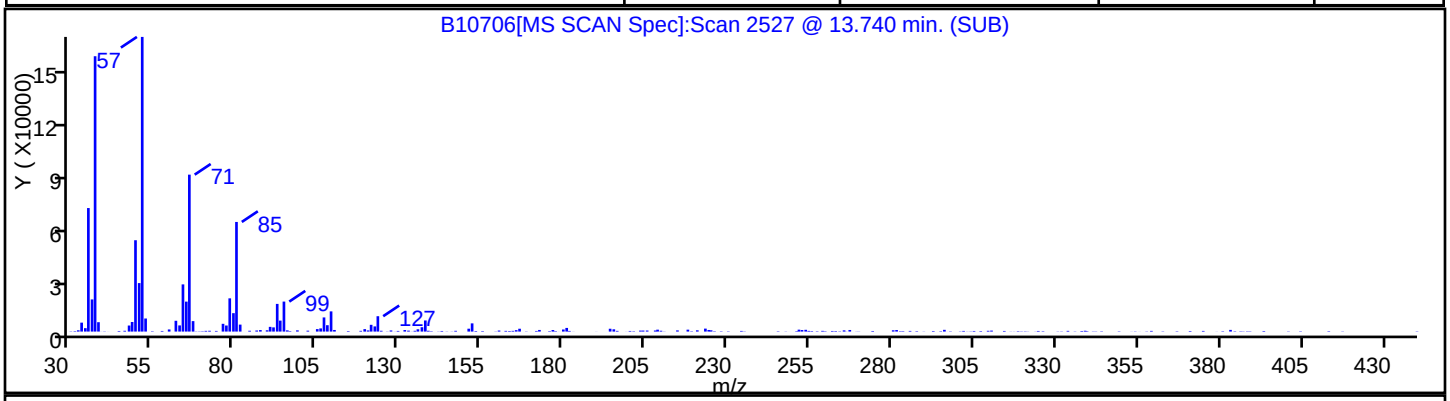
Lims Batch ID: 49826 Lims Sample ID: 38

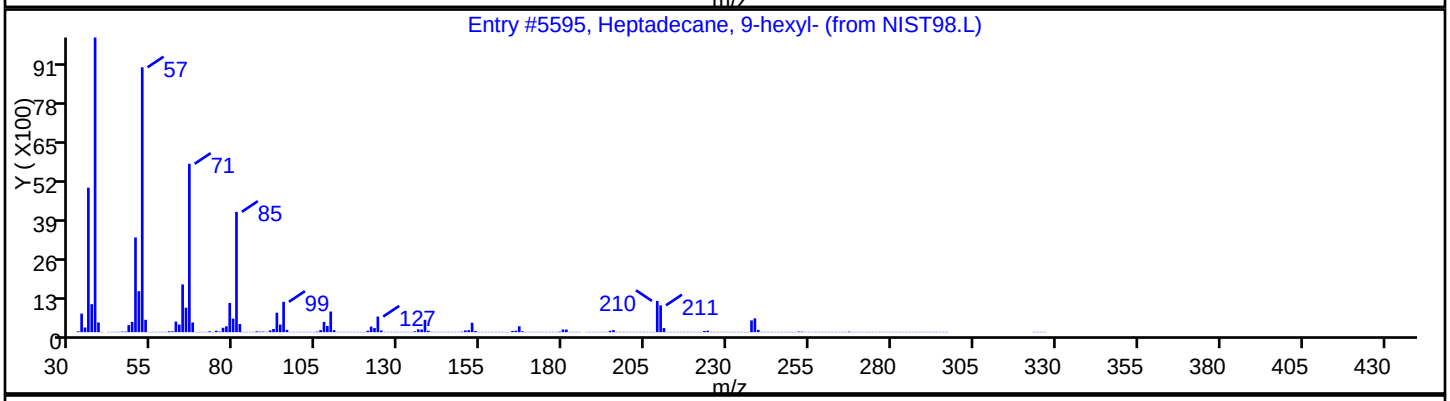
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

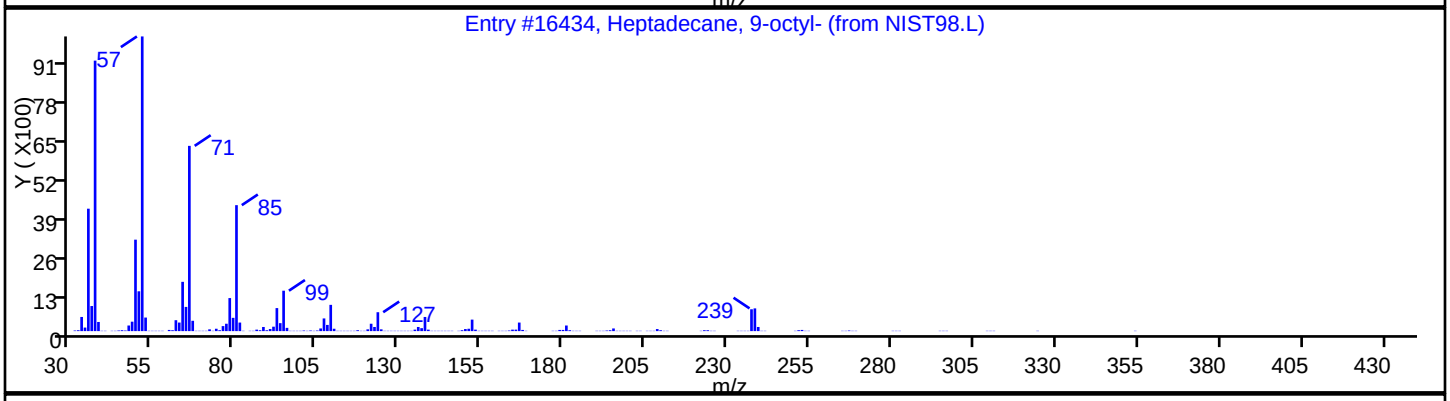
Sample Info: 24582-21 10x

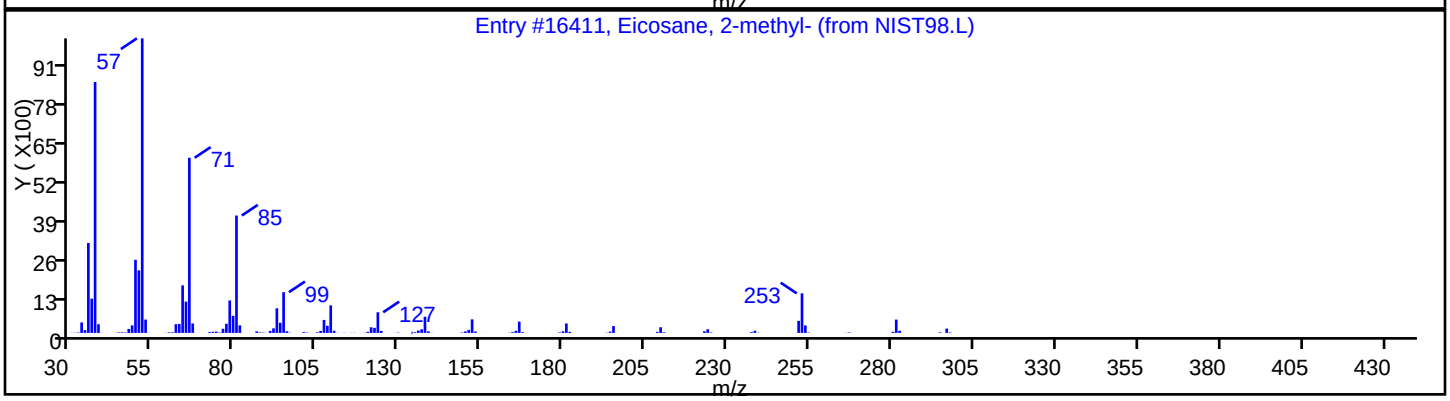
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 9-hexyl-	55124-79-3	NIST98.L	5595	97
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	96
Eicosane, 2-methyl-	1560-84-5	NIST98.L	16411	96









Report Date: 06-Oct-2009 17:05:56 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

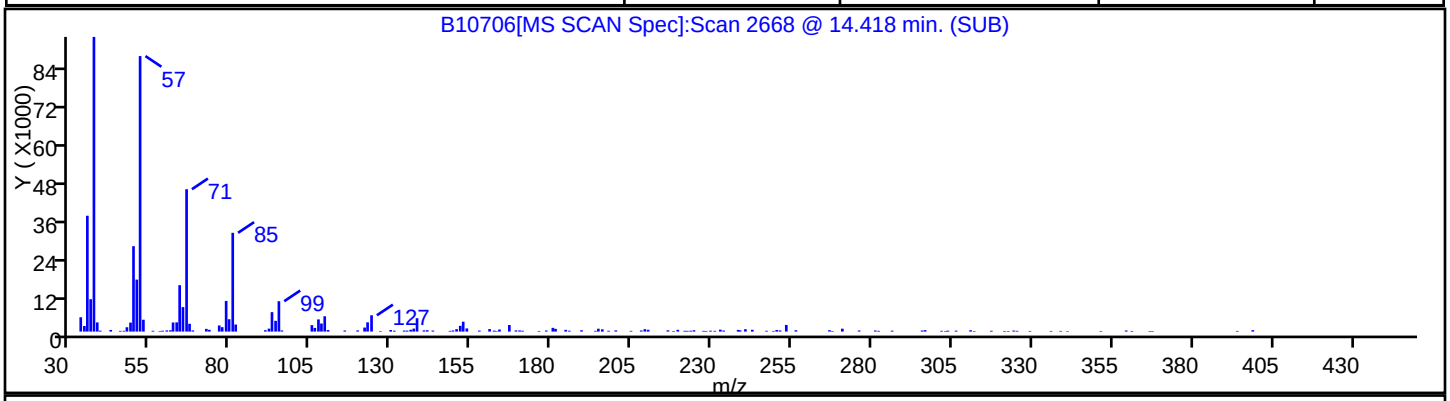
Lims Batch ID: 49826 Lims Sample ID: 38

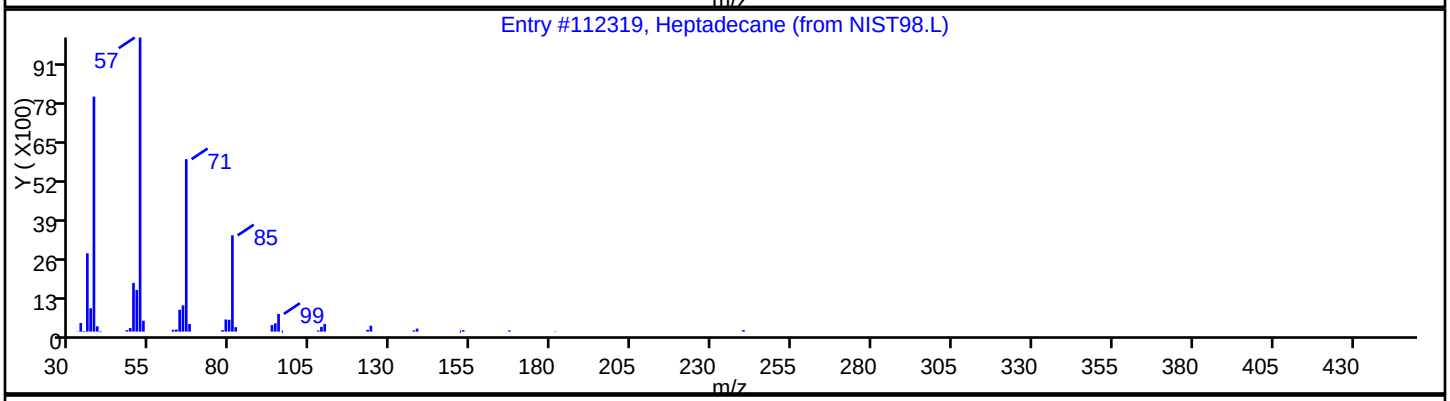
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

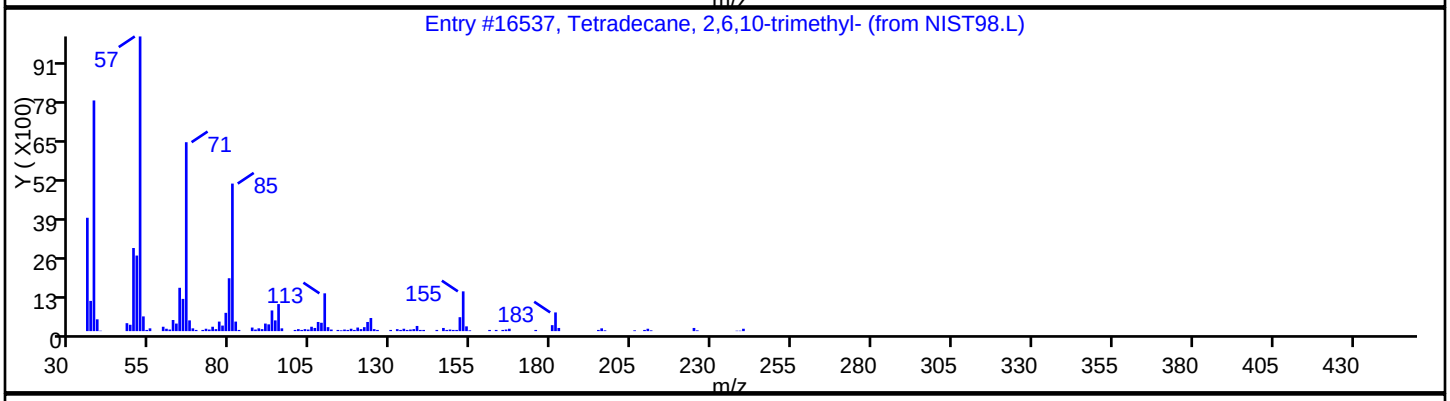
Sample Info: 24582-21 10x

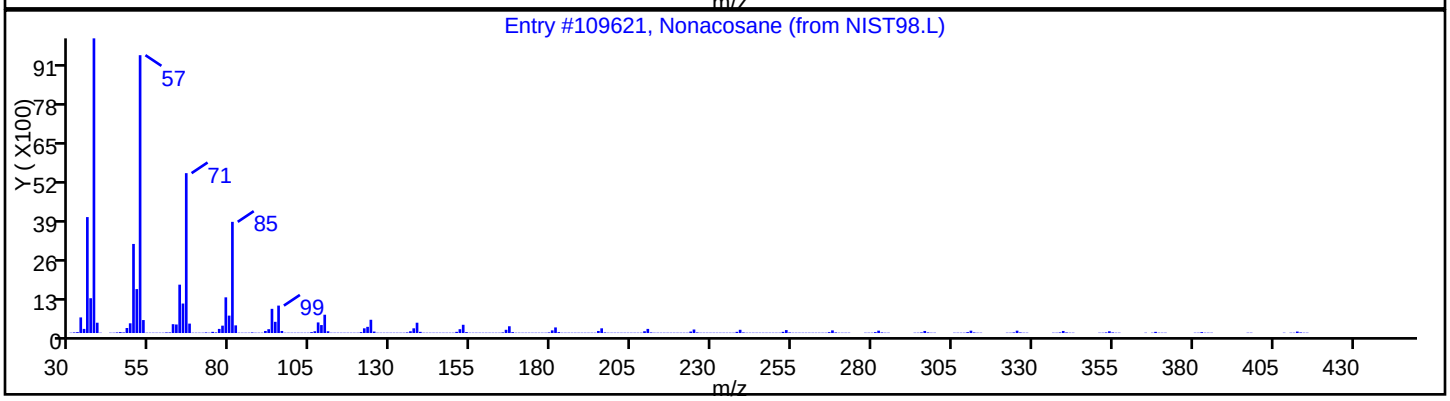
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112319	93
Tetradecane, 2,6,10-trimethyl-	14905-56-7	NIST98.L	16537	91
Nonacosane	630-3-5	NIST98.L	109621	91









Report Date: 06-Oct-2009 17:05:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

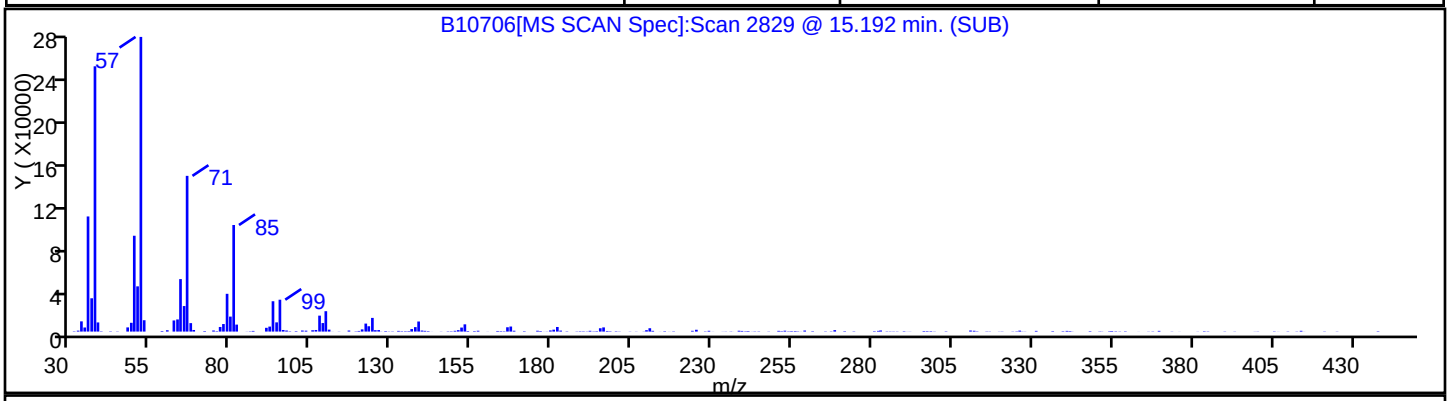
Lims Batch ID: 49826 Lims Sample ID: 38

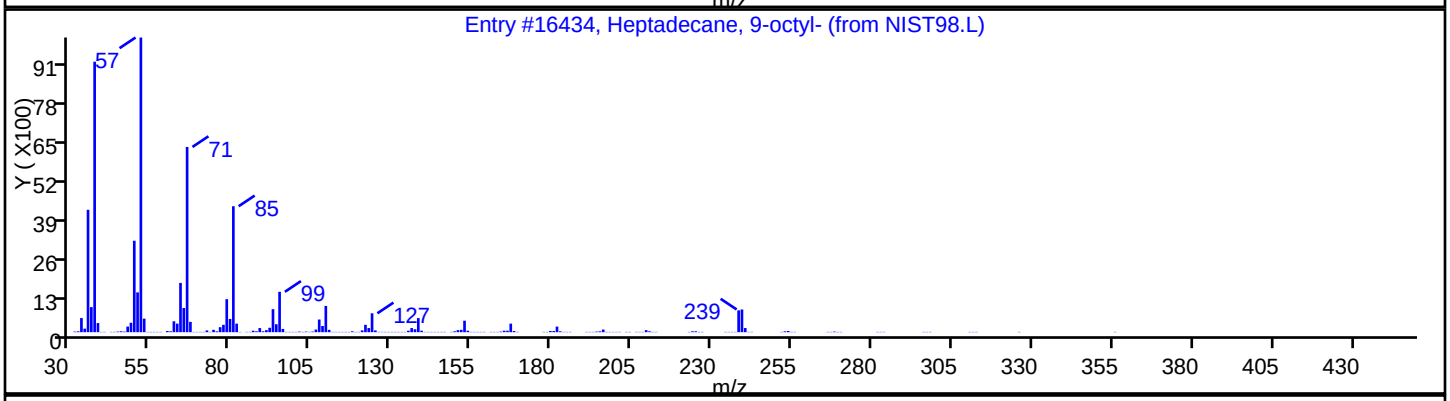
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

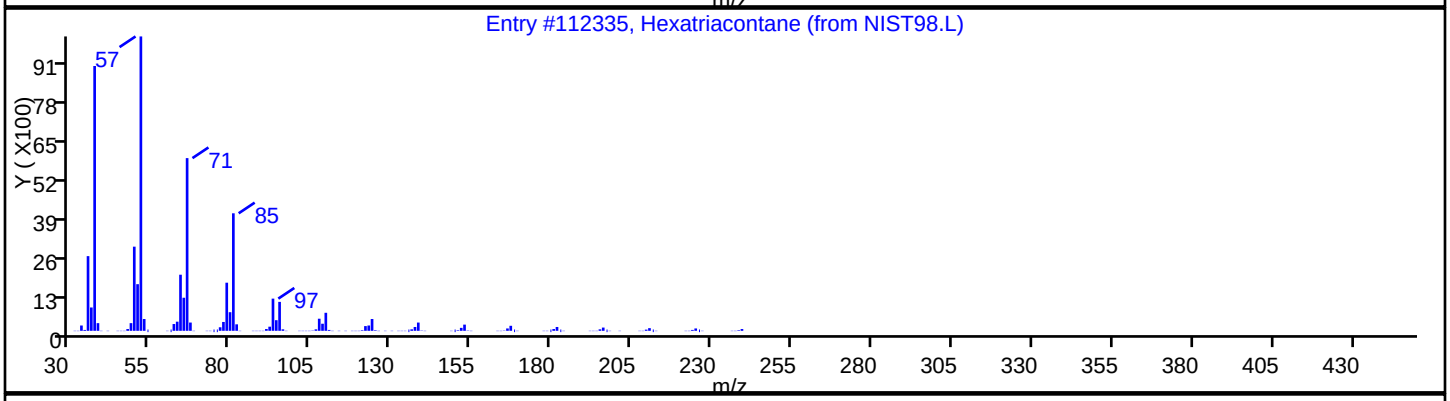
Sample Info: 24582-21 10x

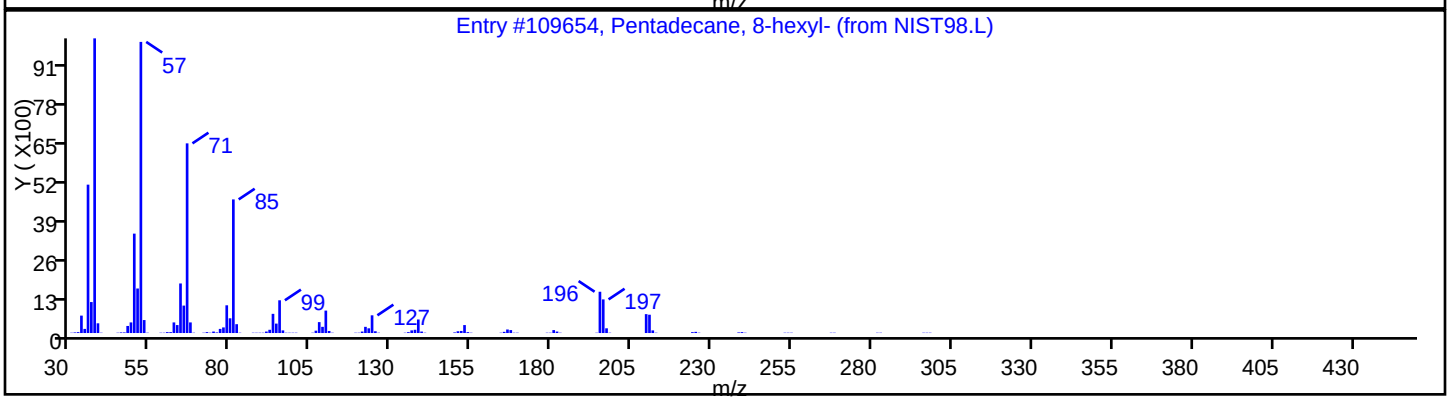
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	96
Hexatriacontane	630-6-8	NIST98.L	112335	95
Pentadecane, 8-hexyl-	13475-75-7	NIST98.L	109654	94









Report Date: 06-Oct-2009 17:05:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

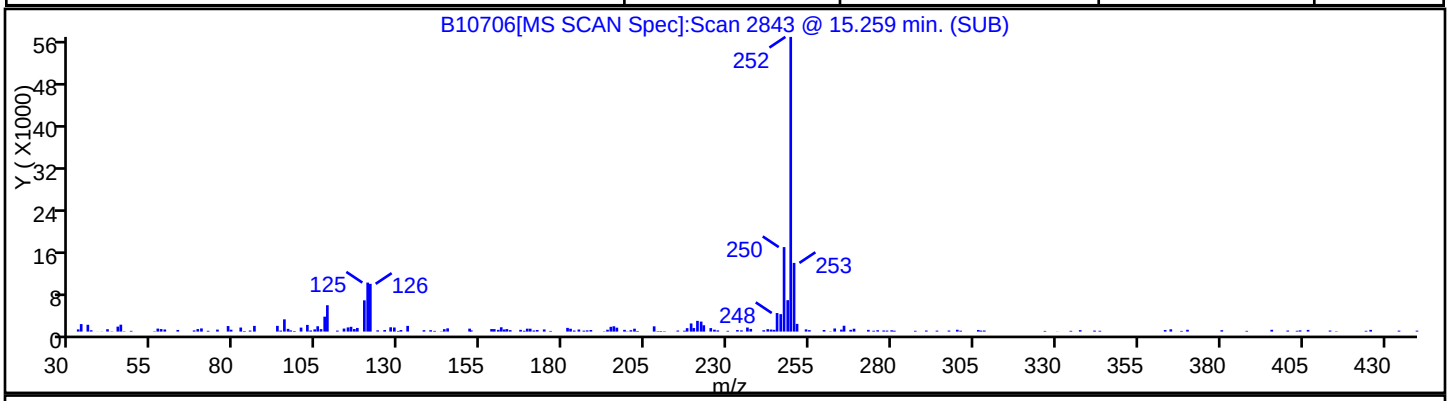
Lims Batch ID: 49826 Lims Sample ID: 38

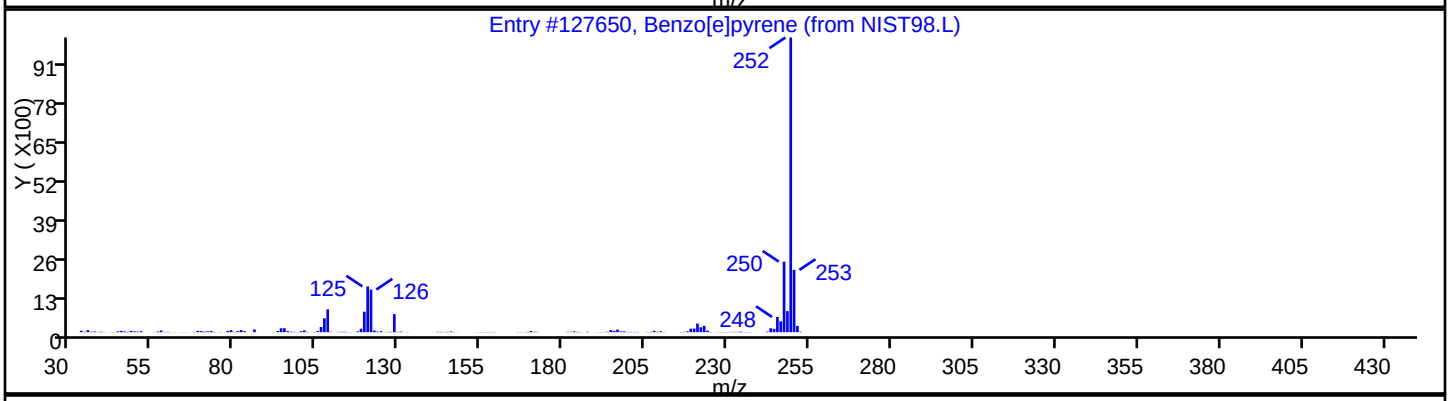
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

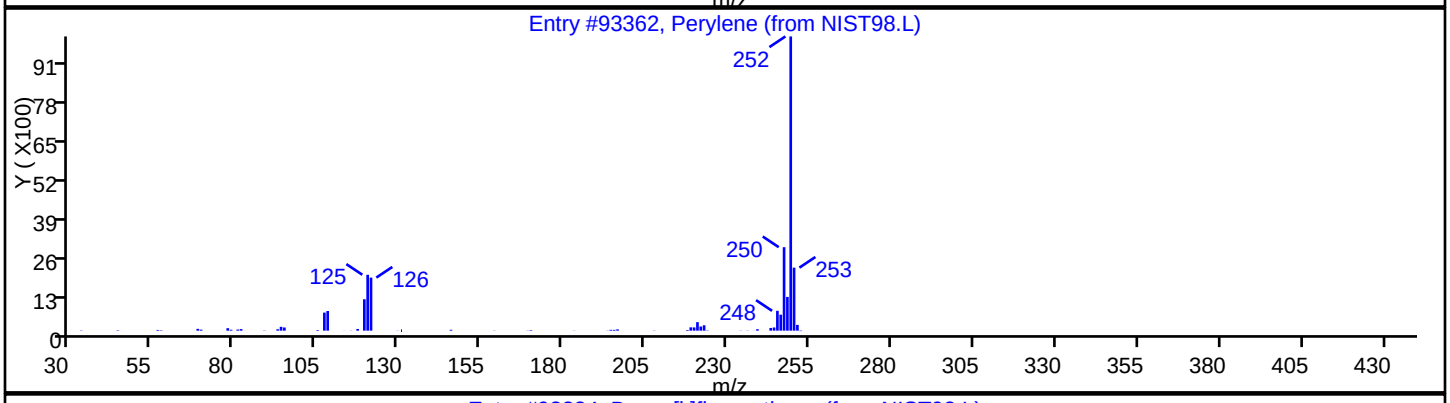
Sample Info: 24582-21 10x

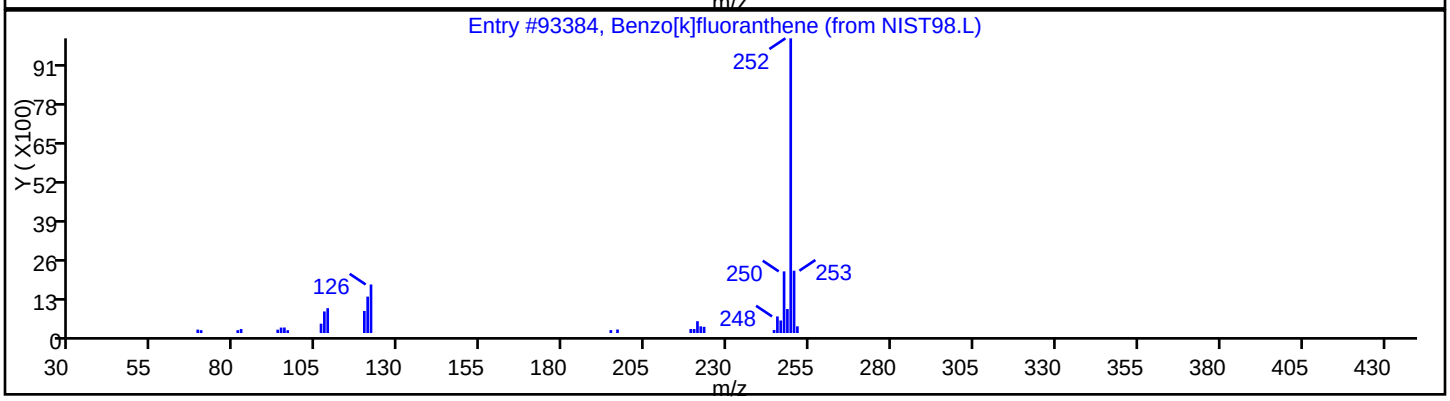
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
Perylene	198-55-0	NIST98.L	93362	93
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	91









Report Date: 06-Oct-2009 17:05:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

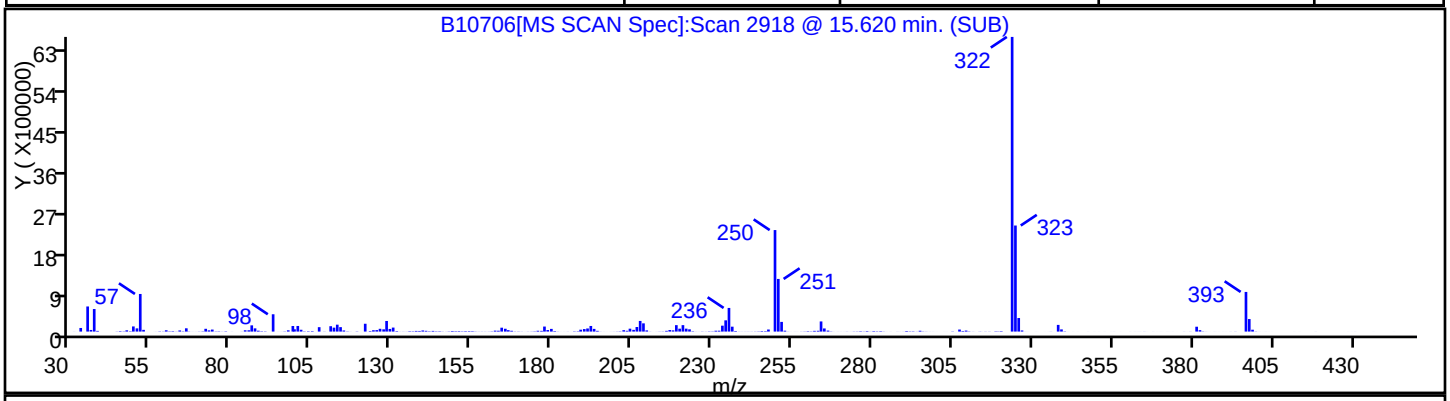
Lims Batch ID: 49826 Lims Sample ID: 38

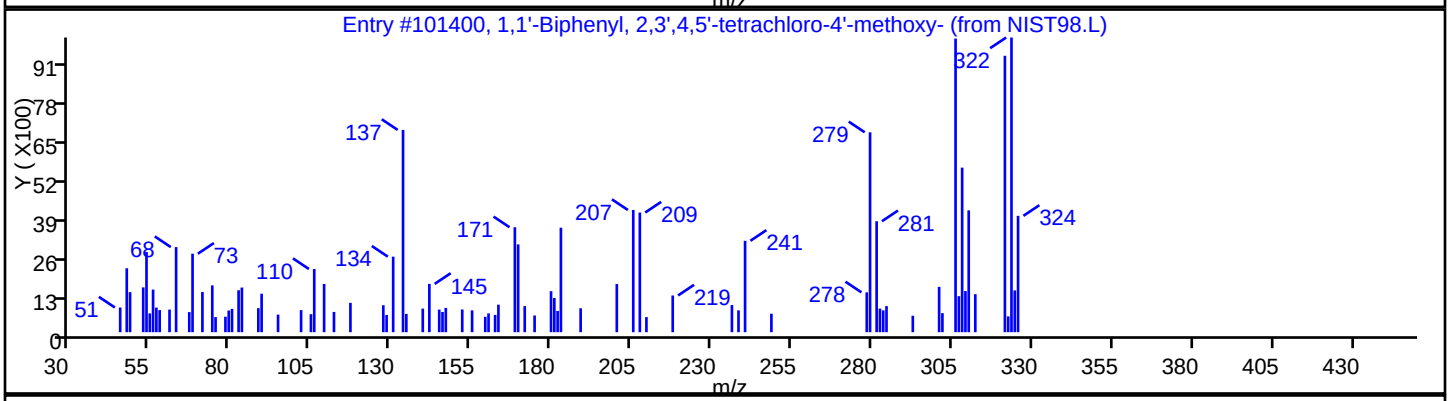
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

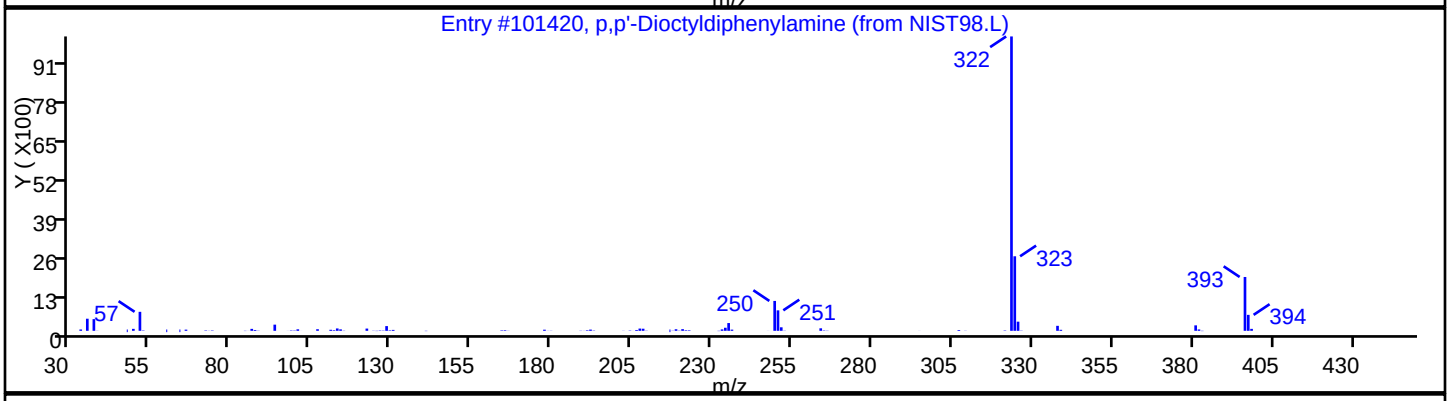
Sample Info: 24582-21 10x

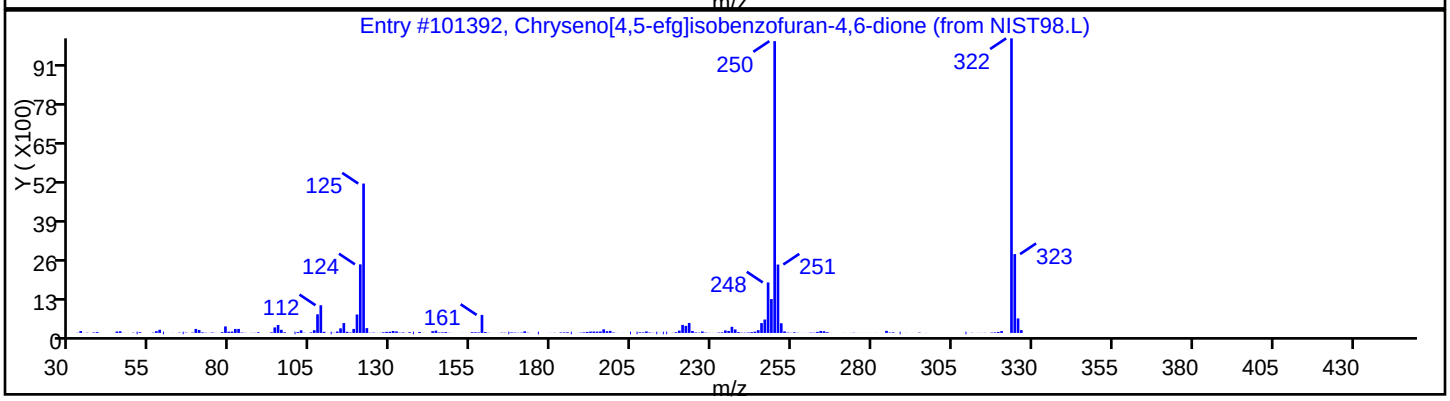
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,1'-Biphenyl, 2,3',4,5'-tetrachloro-4'-	74298-93-4	NIST98.L	101400	87
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	64
Chryseno[4,5-efg]isobenzofuran-4,6-dione	25041-67-2	NIST98.L	101392	53









Report Date: 06-Oct-2009 17:05:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

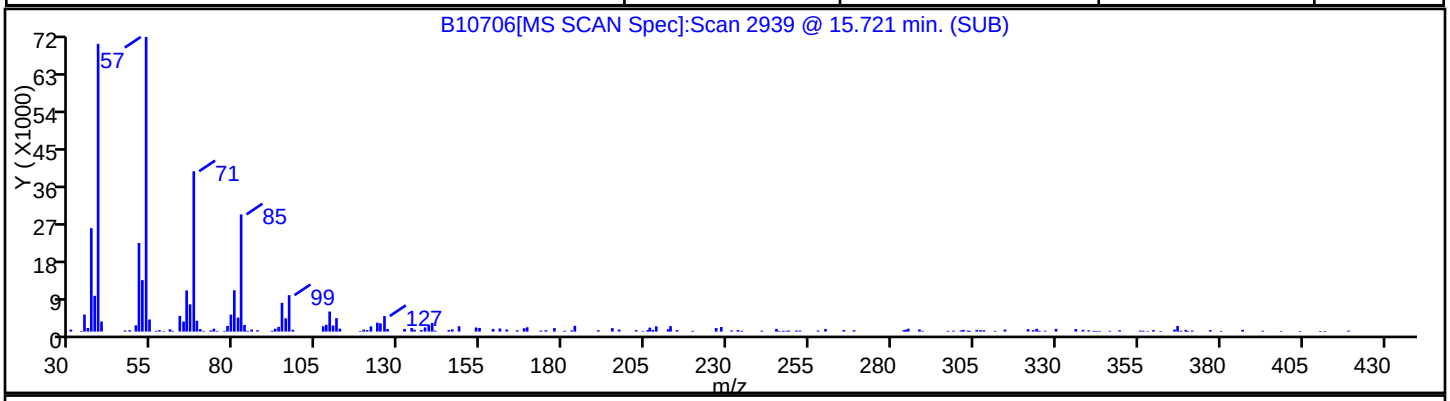
Lims Batch ID: 49826 Lims Sample ID: 38

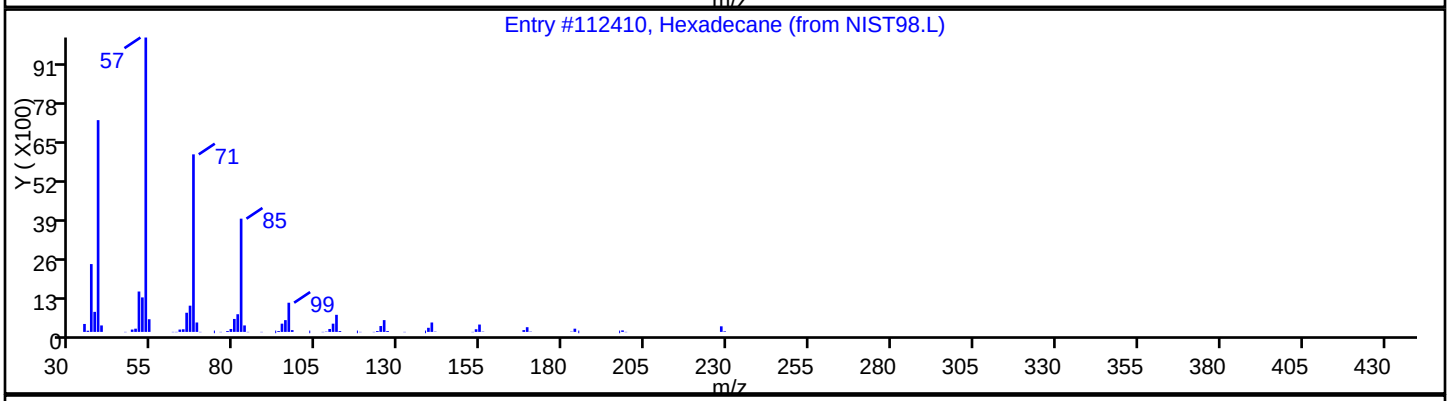
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

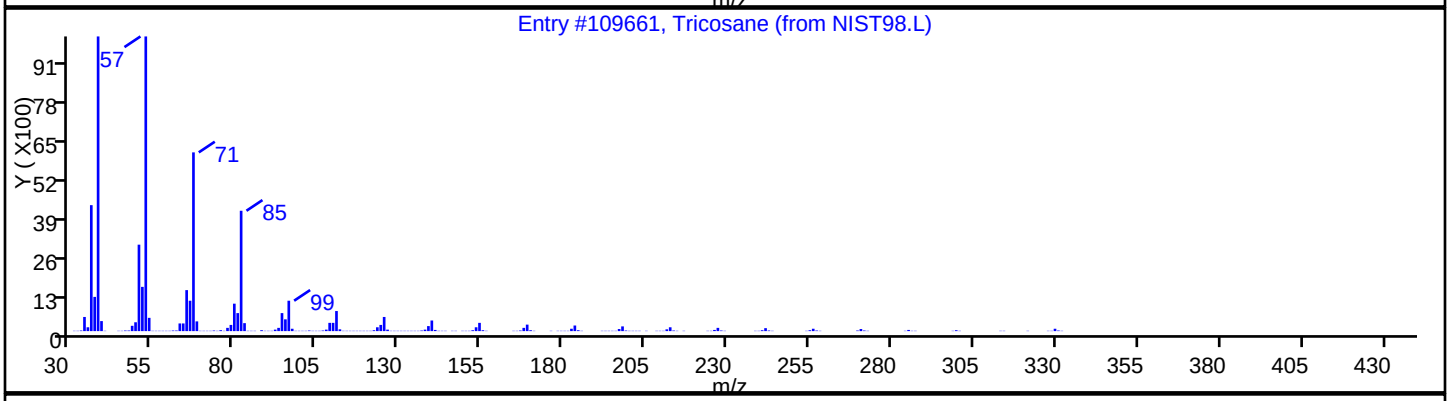
Sample Info: 24582-21 10x

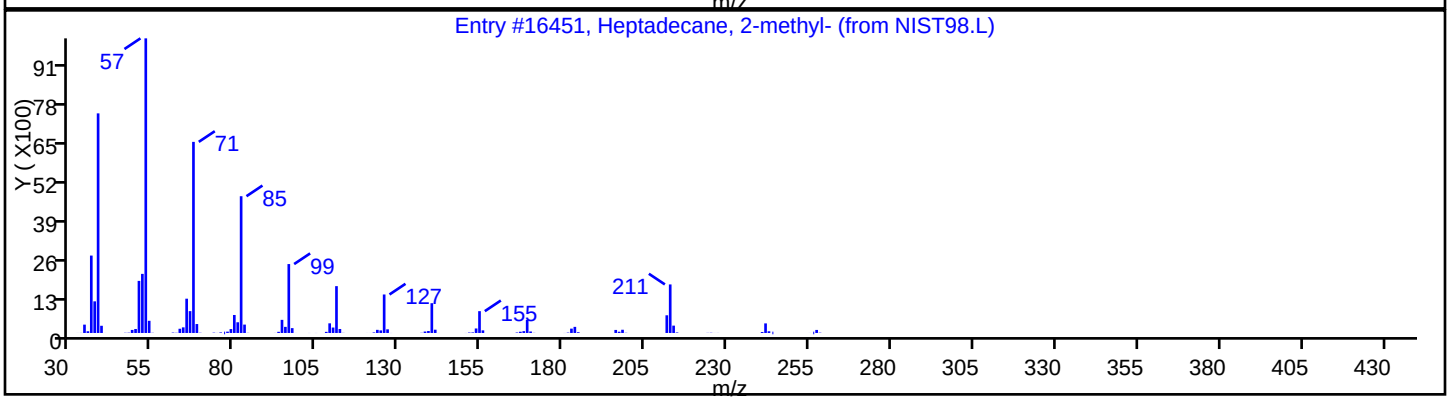
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	97
Tricosane	638-67-5	NIST98.L	109661	97
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	16451	91









Report Date: 06-Oct-2009 17:05:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10706.D

Inj Date: 03-Oct-2009 22:23:30 Limit Group: SMS - 8270LL SVOA Calibration

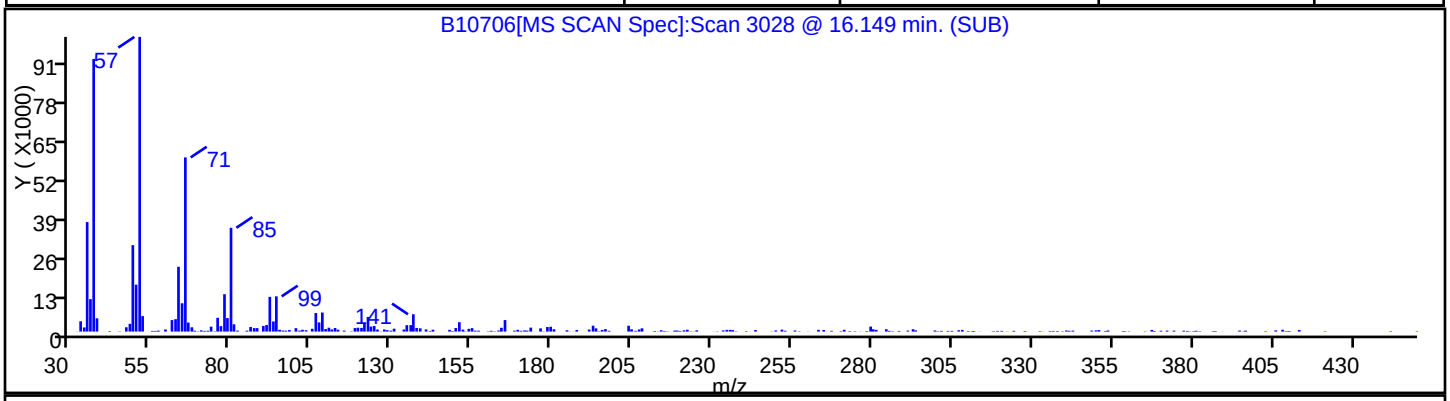
Lims Batch ID: 49826 Lims Sample ID: 38

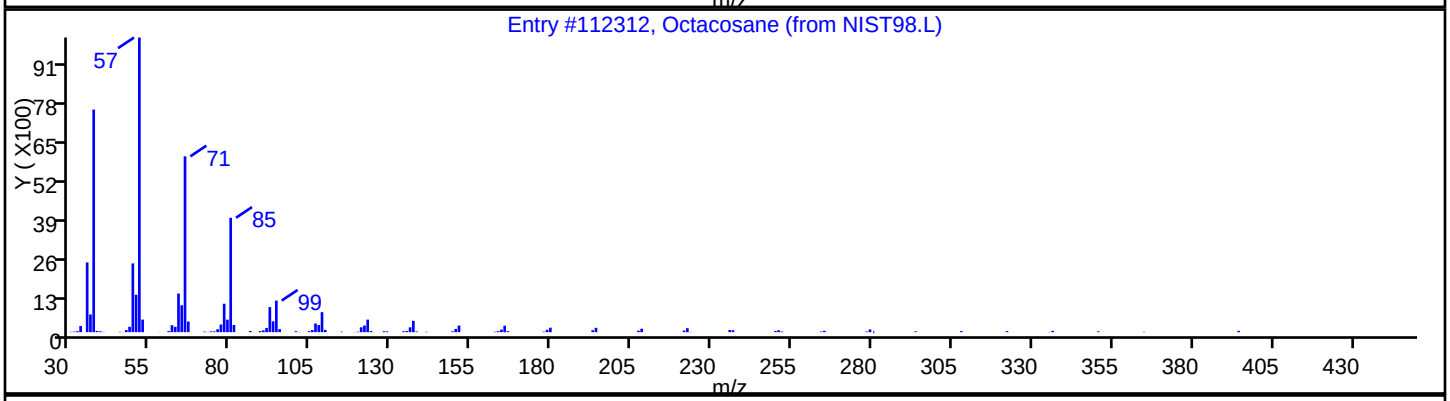
Client ID: OC-SS-416-0.0/1.0-DUP Instrument: Inst. B

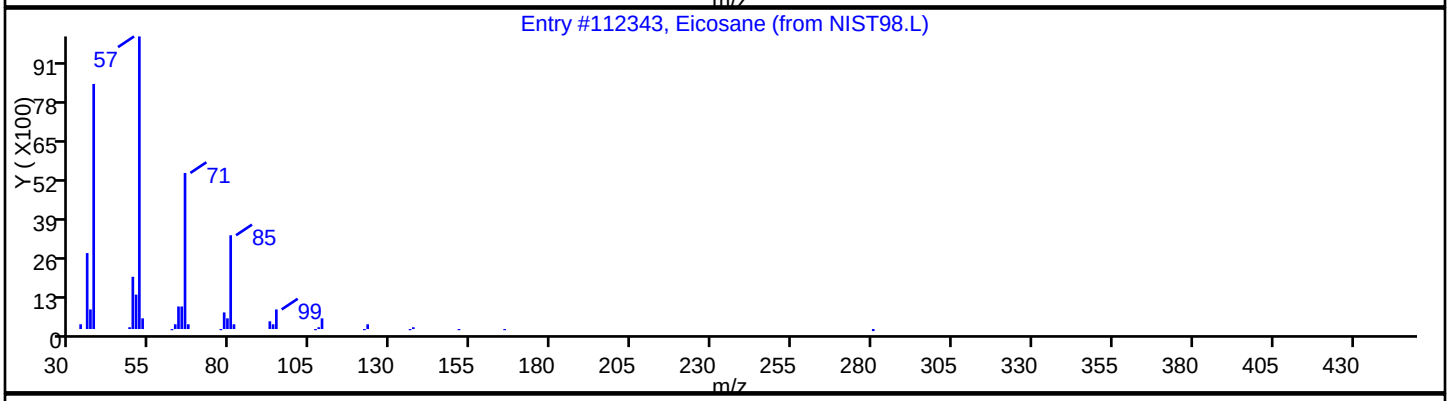
Sample Info: 24582-21 10x

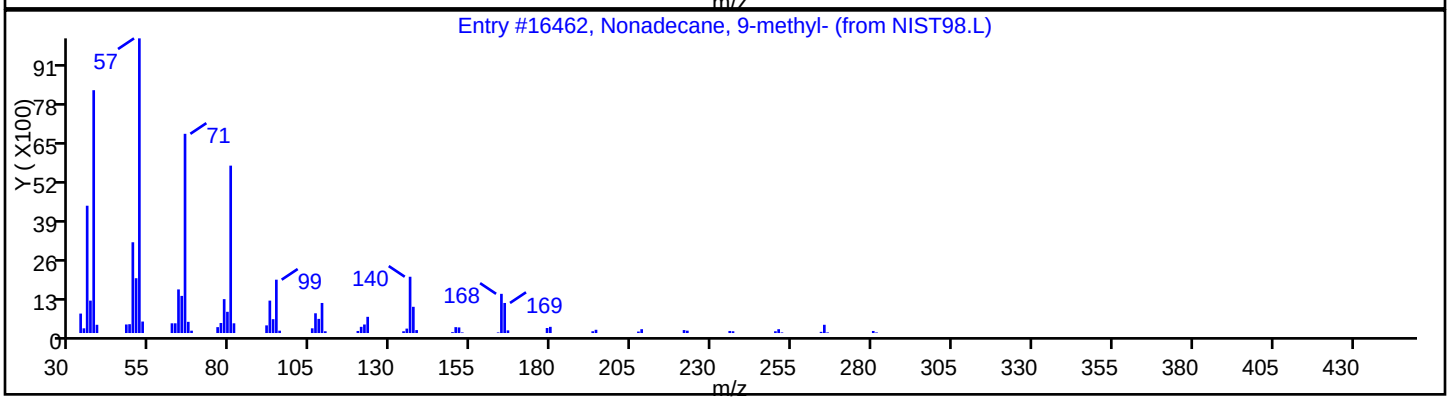
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	98
Eicosane	112-95-8	NIST98.L	112343	96
Nonadecane, 9-methyl-	13287-24-6	NIST98.L	16462	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: B10707.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 10/03/2009 22:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		360	110
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		360	110
120-82-1	1,2,4-Trichlorobenzene	ND		360	110
95-50-1	1,2-Dichlorobenzene	ND		360	110
541-73-1	1,3-Dichlorobenzene	ND		360	110
106-46-7	1,4-Dichlorobenzene	ND		360	110
90-12-0	1-Methylnaphthalene	ND		360	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		360	110
58-90-2	2,3,4,6-Tetrachlorophenol	ND		360	110
95-95-4	2,4,5-Trichlorophenol	ND		360	110
88-06-2	2,4,6-Trichlorophenol	ND		360	110
120-83-2	2,4-Dichlorophenol	ND		360	110
105-67-9	2,4-Dimethylphenol	ND		360	140
51-28-5	2,4-Dinitrophenol	ND		360	110
121-14-2	2,4-Dinitrotoluene	ND		360	110
606-20-2	2,6-Dinitrotoluene	ND		360	110
91-58-7	2-Chloronaphthalene	ND		360	110
95-57-8	2-Chlorophenol	ND		360	110
91-57-6	2-Methylnaphthalene	ND		360	110
95-48-7	2-Methylphenol	ND		360	220
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	ND		360	110
15831-10-4	3 & 4 Methylphenol	ND		360	110
91-94-1	3,3'-Dichlorobenzidine	ND		720	110
99-09-2	3-Nitroaniline	ND		1800	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	110
101-55-3	4-Bromophenyl phenyl ether	ND		360	110
59-50-7	4-Chloro-3-methylphenol	ND		720	110
106-47-8	4-Chloroaniline	ND		720	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		360	110
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND		1800	110
83-32-9	Acenaphthene	ND		360	110
208-96-8	Acenaphthylene	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: B10707.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 10/03/2009 22:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		360	110
62-53-3	Aniline	ND	*	360	110
120-12-7	Anthracene	ND		360	110
1912-24-9	Atrazine	ND		360	110
103-33-3	Azobenzene	ND		360	110
100-52-7	Benzaldehyde	ND		360	110
56-55-3	Benzo[a]anthracene	130	J	360	110
50-32-8	Benzo[a]pyrene	170	J	360	110
205-99-2	Benzo[b]fluoranthene	310	J	360	110
191-24-2	Benzo[g,h,i]perylene	160	J	360	110
207-08-9	Benzo[k]fluoranthene	ND		360	110
65-85-0	Benzoic acid	490	J B	1800	160
119-61-9	Benzophenone	ND		360	110
100-51-6	Benzyl alcohol	ND		720	310
111-91-1	Bis(2-chloroethoxy)methane	ND		360	110
111-44-4	Bis(2-chloroethyl)ether	ND		360	110
117-81-7	Bis(2-ethylhexyl) phthalate	550		360	110
85-68-7	Butyl benzyl phthalate	ND		360	110
105-60-2	Caprolactam	ND		360	110
86-74-8	Carbazole	ND		360	110
218-01-9	Chrysene	300	J	360	110
53-70-3	Dibenz(a,h)anthracene	ND		360	110
132-64-9	Dibenzofuran	ND		360	110
84-66-2	Diethyl phthalate	ND		360	110
131-11-3	Dimethyl phthalate	ND		360	110
84-74-2	Di-n-butyl phthalate	ND		360	320
117-84-0	Di-n-octyl phthalate	ND		360	180
101-84-8	Diphenyl oxide	ND		360	110
206-44-0	Fluoranthene	430		360	110
86-73-7	Fluorene	210	J	360	110
118-74-1	Hexachlorobenzene	ND		360	110
87-68-3	Hexachlorobutadiene	ND		360	110
77-47-4	Hexachlorocyclopentadiene	ND		720	110
67-72-1	Hexachloroethane	ND		360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: B10707.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 10/03/2009 22:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	130	J	360	110
78-59-1	Isophorone	ND		360	110
91-20-3	Naphthalene	ND		870	110
98-95-3	Nitrobenzene	ND		360	110
62-75-9	N-Nitrosodimethylamine	ND		360	130
621-64-7	N-Nitrosodi-n-propylamine	ND		360	110
86-30-6	N-Nitrosodiphenylamine	ND		360	110
87-86-5	Pentachlorophenol	ND		360	110
85-01-8	Phenanthrene	150	J	430	110
108-95-2	Phenol	ND		360	110
129-00-0	Pyrene	340	J	360	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	74	30-130	
321-60-8	2-Fluorobiphenyl	69	30-130	
367-12-4	2-Fluorophenol	77	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	73	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: B10707.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 10/03/2009 22:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 8790

CAS NO.	COMPOUND NAME	RT	RESULT	Q
638-67-5	Tricosane	12.01	140	T J N
544-76-3	Hexadecane	12.34	290	T J N
1560-88-9	Octadecane, 2-methyl-	12.73	340	T J N
593-49-7	Heptacosane	13.18	390	T J N
593-49-7	Heptacosane	13.74	520	T J N
6418-46-8	Eicosane, 3-methyl-	15.19	3100	T J N
112-95-8	Eicosane	15.72	610	T J N
630-2-4	Octacosane	16.15	1700	T J N
1058-61-3	Stigmast-4-en-3-one	18.27	1700	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Lims ID:	360-24582-A-22-J	Client ID:	OC-SS-416-0.0/1.0-XXX
Inject. Date:	03-Oct-2009 22:51:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	24582-22 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49826	Lims Sample ID:	39
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	07-Oct-2009 08:28:17	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 08:28:17

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.629	6.632	-0.003	197869	2.00	
* 2 Naphthalene-d8	136	7.778	7.777	0.001	453747	2.00	
* 3 Acenaphthene-d10	164	9.260	9.263	-0.003	203008	2.00	
* 4 Phenanthrene-d10	188	10.495	10.499	-0.004	291167	2.00	
* 5 Chrysene-d12	240	12.900	12.903	-0.003	185421	2.00	
* 6 Perylene-d12	264	15.444	15.432	0.012	131935	2.00	
$ 7 2-Fluorophenol	112	5.239	5.218	0.021	46552	0.7715	
$ 8 Phenol-d5	99	6.312	6.310	0.002	58678	0.6992	
$ 9 Nitrobenzene-d5	82	7.148	7.147	0.001	28698	0.3198	
$ 10 2-Fluorobiphenyl	172	8.692	8.690	0.002	55369	0.3456	
$ 11 2,4,6-Tribromophenol	330	9.918	9.917	0.001	8482	0.7352	
$ 12 Terphenyl-d14	244	11.813	11.816	-0.003	30512	0.3645	
18 Phenol	94	6.326	6.320	0.006	12477	0.1278	
30 Acetophenone	105	7.014	7.017	-0.003	2956	0.0293	
36 Benzoic acid	105	7.538	7.560	-0.022	4989	1.36	
52 1,1'-Biphenyl	154	8.774	8.777	-0.003	1258	0.007501	7
54 Phenyl ether	170	8.860	8.864	-0.004	2101	0.0234	
56 Dimethyl phthalate	163	9.024	9.027	-0.003	21919	0.1473	
58 Acenaphthylene	152	9.139	9.142	-0.003	2809	0.0139	
61 Acenaphthene	153	9.288	9.287	0.001	2296	0.0168	
64 Dibenzofuran	168	9.428	9.431	-0.003	2576	0.0148	M
66 Diethyl phthalate	149	9.606	9.609	-0.003	1601	0.0105	
69 Fluorene	166	9.716	9.715	0.001	3173	0.5712	
72 N-Nitrosodiphenylamine	169	9.808	9.811	-0.003	2762	0.0240	
13 Benzophenone	105	9.851	9.854	-0.003	2983	0.0223	
80 Phenanthrene	178	10.515	10.518	-0.003	69646	0.4045	
81 Anthracene	178	10.558	10.556	0.002	6561	0.0403	
83 Carbazole	167	10.693	10.691	0.002	11865	0.0840	

Report Date: 07-Oct-2009 08:28:18 Chrom Revision: 1.1 01-Oct-2009 08:19:20
Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.967	10.965	0.002	25191	0.1182	
87 Fluoranthene	202	11.505	11.504	0.001	178232	1.19	
85 Pyrene	202	11.698	11.696	0.002	130717	0.9320	
89 Butyl benzyl phthalate	149	12.246	12.244	0.002	10228	0.1380	
93 Benzo[a]anthracene	228	12.890	12.888	0.002	34032	0.3709	
92 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	174022	1.54	
94 Chrysene	228	12.938	12.937	0.001	73456	0.8396	
97 Benzo[b]fluoranthene	252	14.718	14.716	0.002	72950	0.8721	
98 Benzo[k]fluoranthene	252	14.775	14.774	0.001	21596	0.2905	
99 Benzo[a]pyrene	252	15.347	15.346	0.001	30670	0.4716	
100 Indeno[1,2,3-cd]pyrene	276	16.829	16.827	0.002	22282	0.3620	
101 Dibenz(a,h)anthracene	278	16.867	16.861	0.006	6791	0.1311	
102 Benzo[g,h,i]perylene	276	17.204	17.202	0.002	23726	0.4336	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Lims ID:	360-24582-A-22-J	Client ID:	OC-SS-416-0.0/1.0-XXX
Inject. Date:	03-Oct-2009 22:51:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	24582-22 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49826	Lims Sample ID:	39
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	07-Oct-2009 08:28:17	Calib Date:	03-Oct-2009 20:33:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 08:28:17

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
638-67-5 Tricosane						
12.010	259198	0.3834	5	96	109661	
544-76-3 Hexadecane						
12.342	551070	0.8151	5	96	112410	
1560-88-9 Octadecane, 2-methyl-						
12.727	636163	0.9410	5	96	109628	
593-49-7 Heptacosane						
13.184	737166	1.09	5	98	112354	
593-49-7 Heptacosane						
13.741	973508	1.44	5	96	112354	
6418-46-8 Eicosane, 3-methyl-						
15.189	1680626	8.46	6	94	112244	
112-95-8 Eicosane						
15.723	337374	1.70	6	96	109630	
630-2-4 Octacosane						
16.151	950804	4.79	6	97	16409	
1058-61-3 Stigmast-4-en-3-one						
18.271	928313	4.67	6	93	56229	

Report Date: 07-Oct-2009 08:28:19 Chrom Revision: 1.1 01-Oct-2009 08:19:20
Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D
Quantitation Compounds

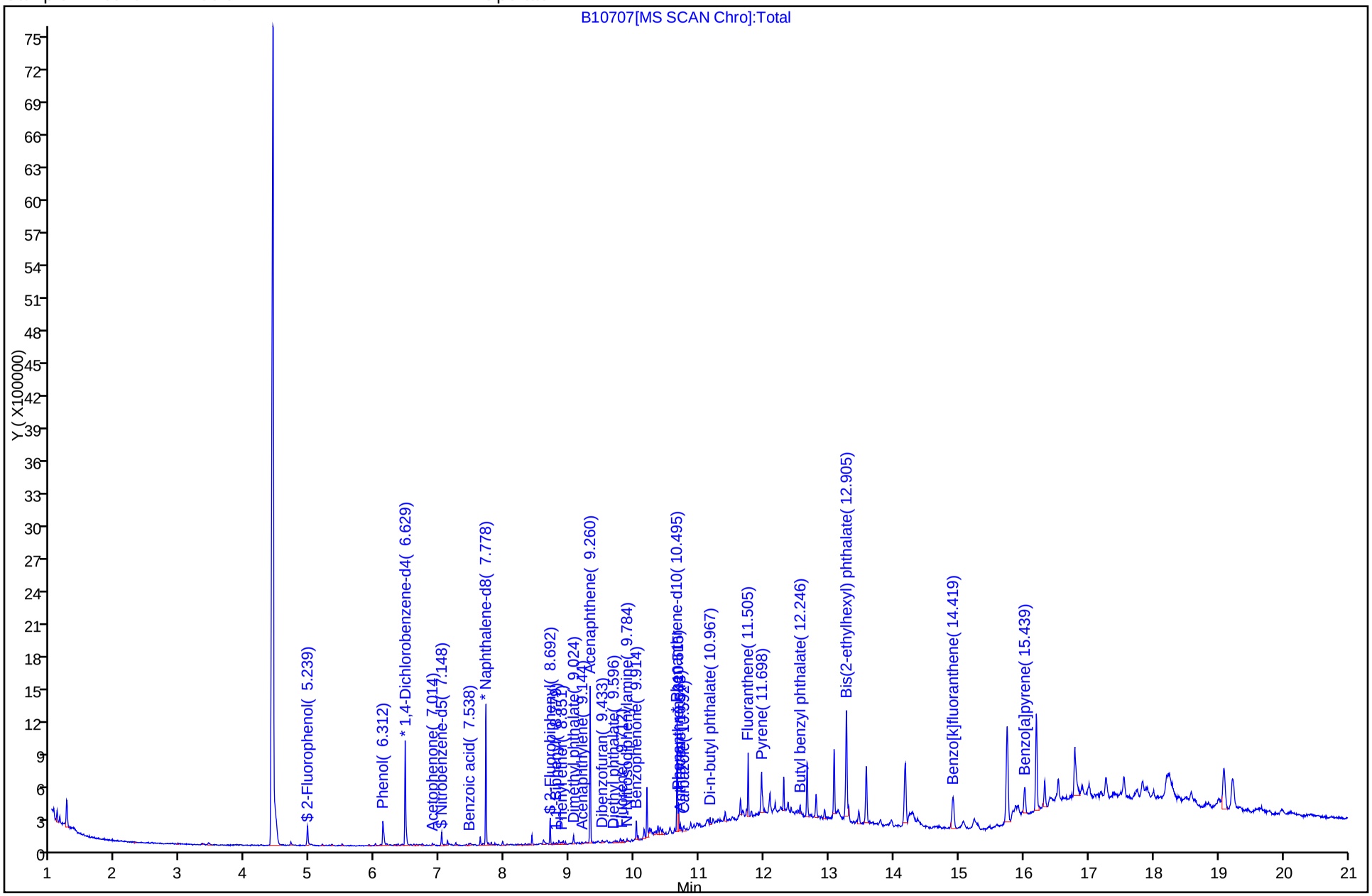
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	12.905	1352132	2.00
* 6 Perylene-d12	15.439	397168	2.00

QC Flag Legend

Processing Flags

Report Date: 07-Oct-2009 08:28:19 Chrom Revision: 1.1 01-Oct-2009 08:19:20

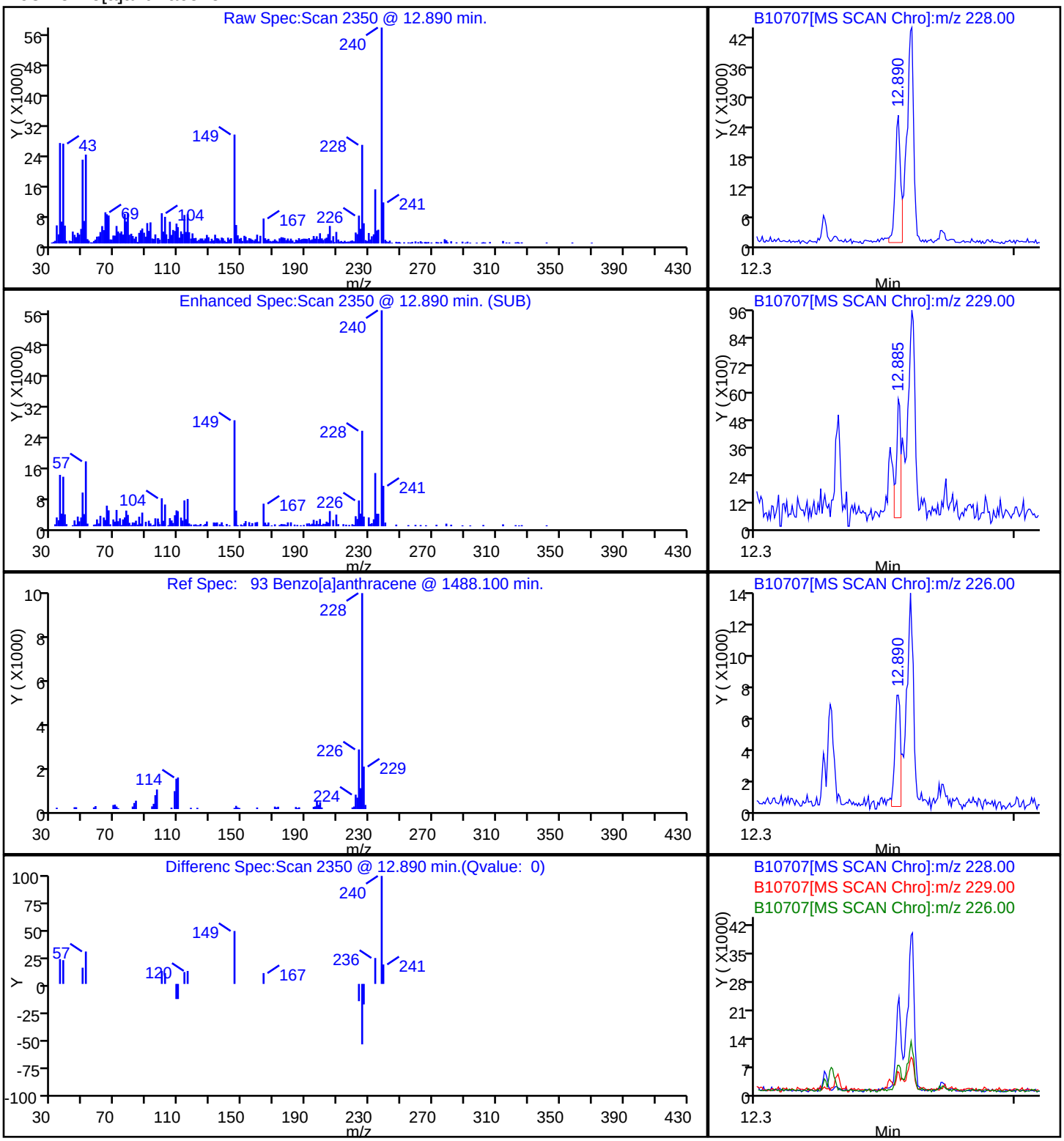
Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

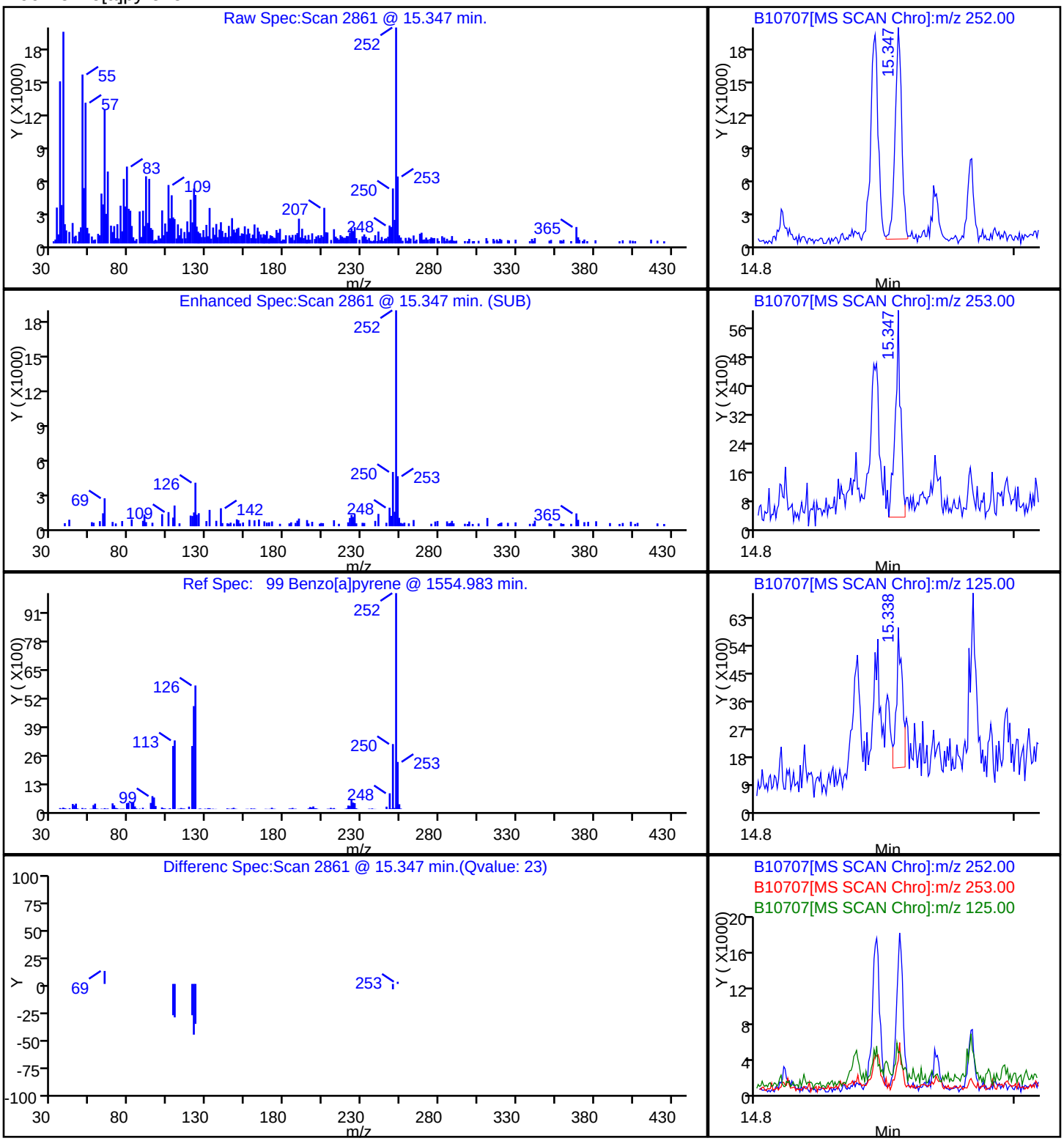
93 Benzo[a]anthracene



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

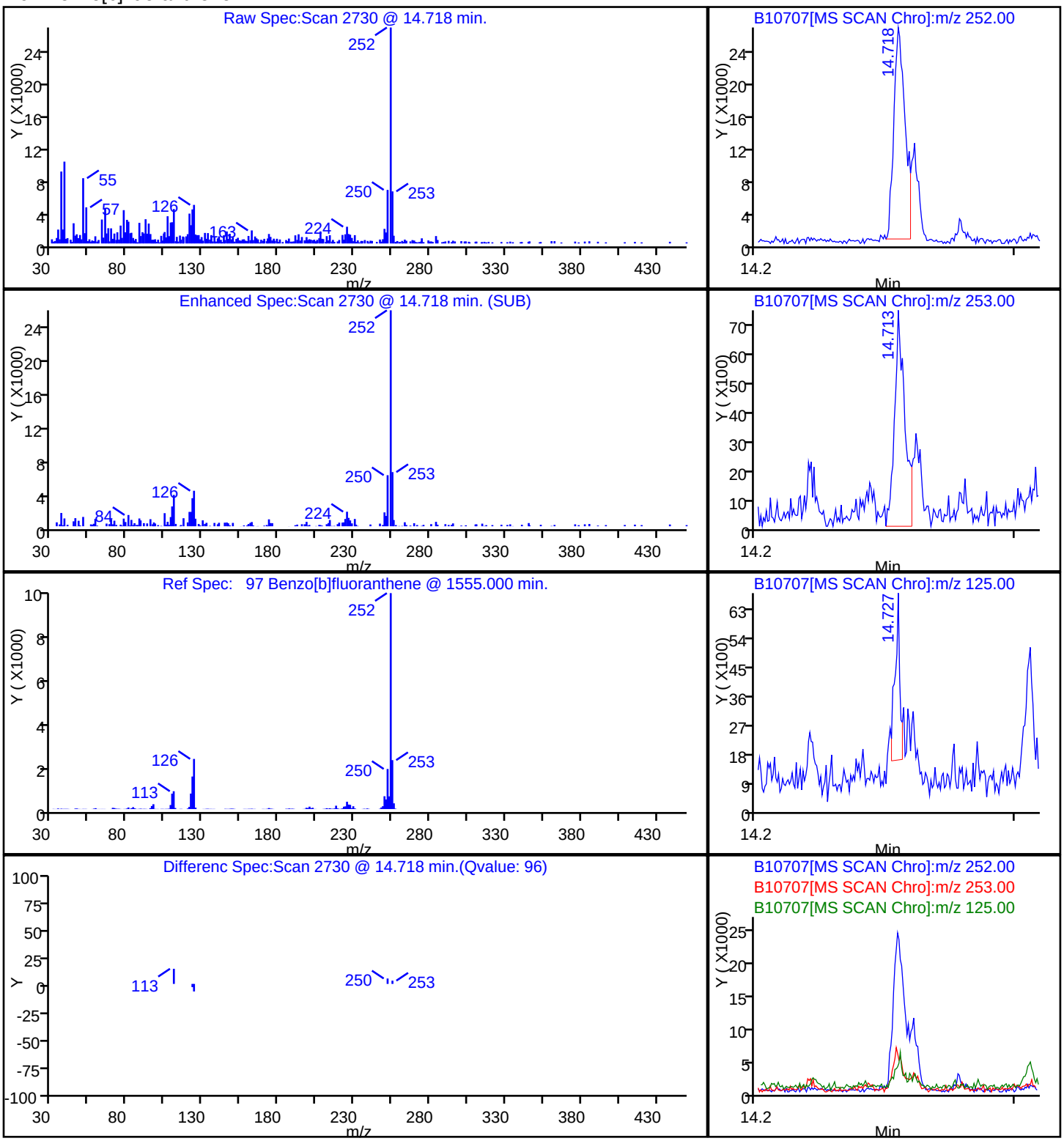
99 Benzo[a]pyrene



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

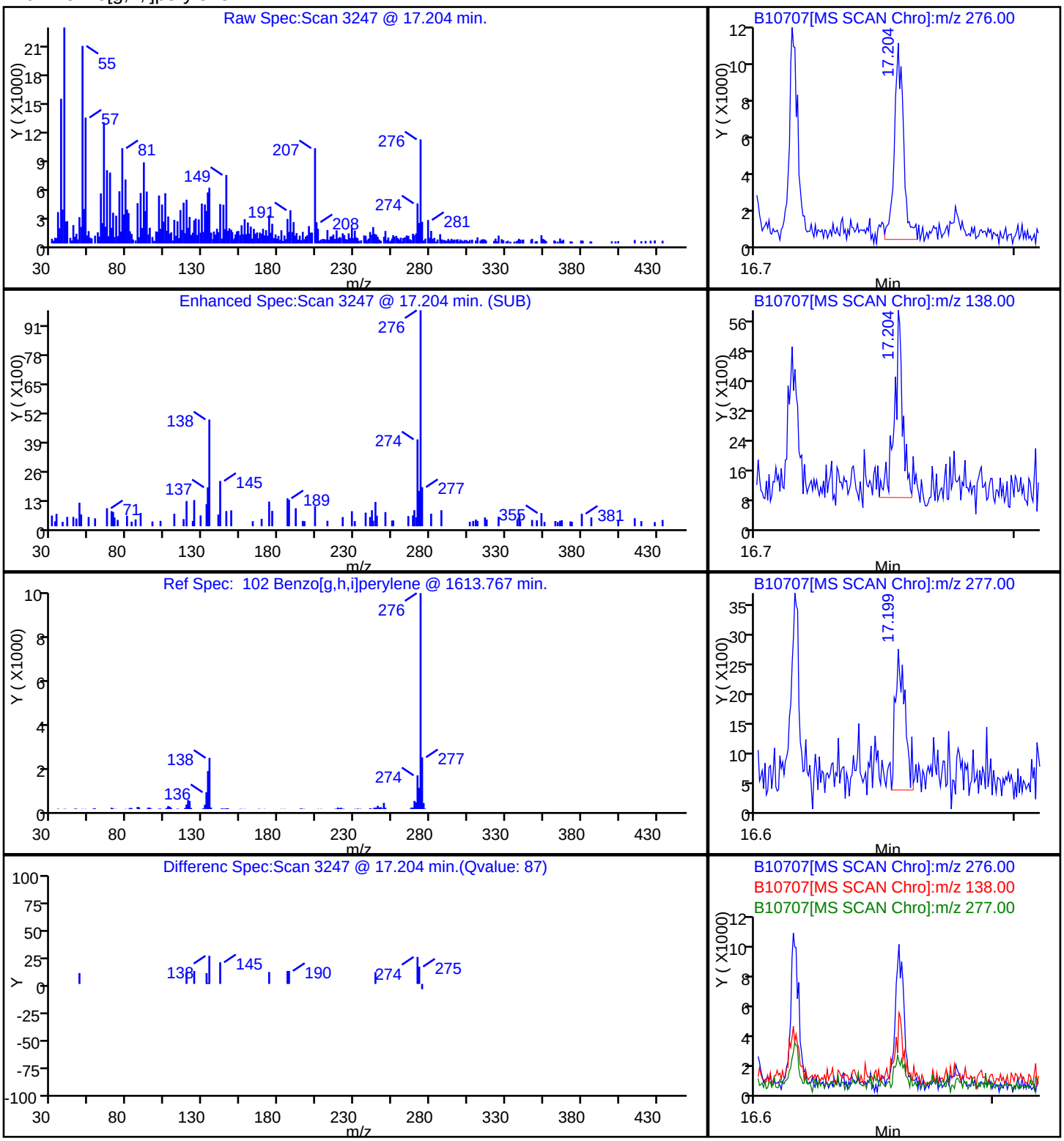
97 Benzo[b]fluoranthene



Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

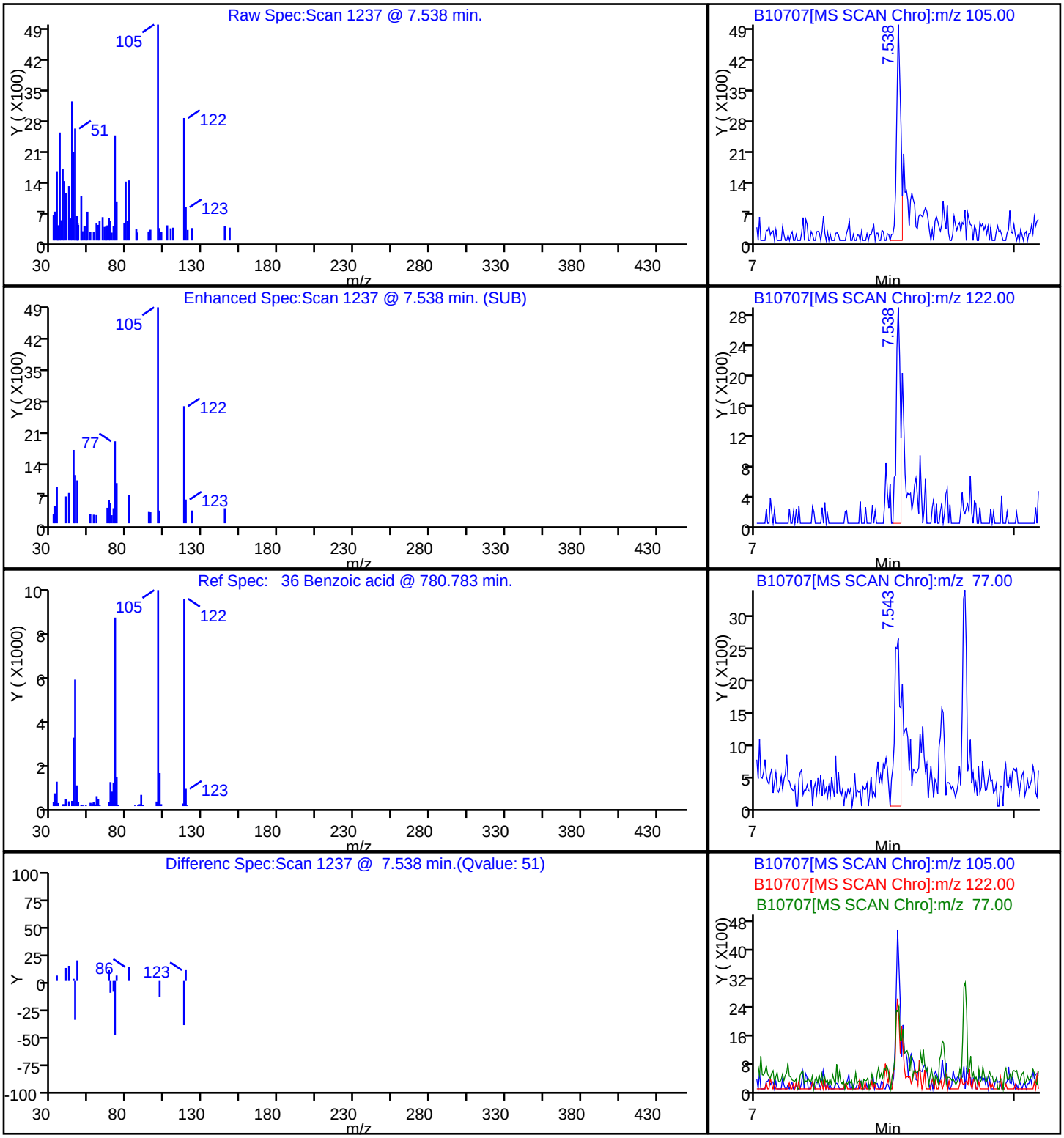
102 Benzo[g,h,i]perylene



Report Date: 07-Oct-2009 08:28:19 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

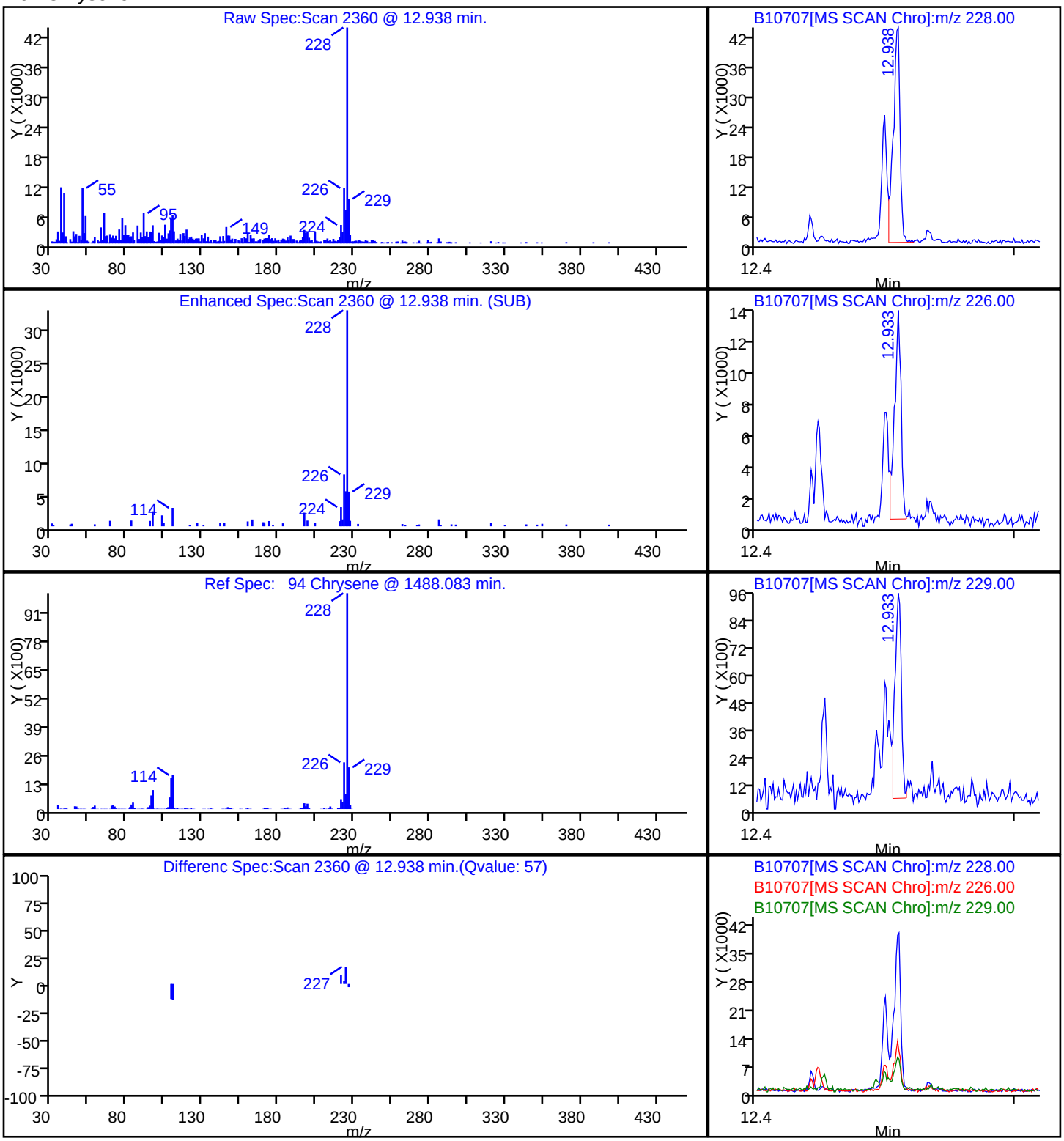
36 Benzoic acid



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

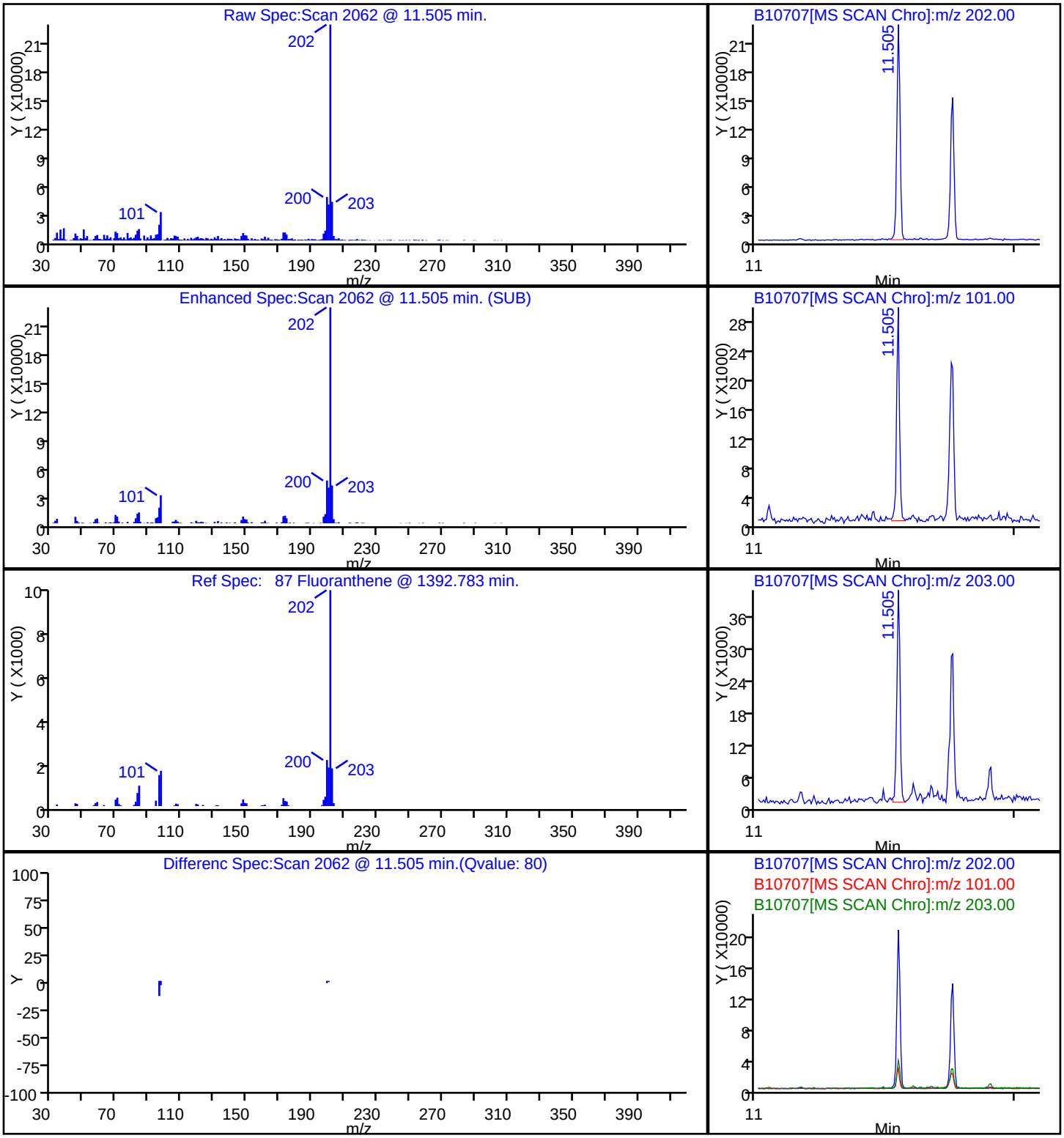
94 Chrysene



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

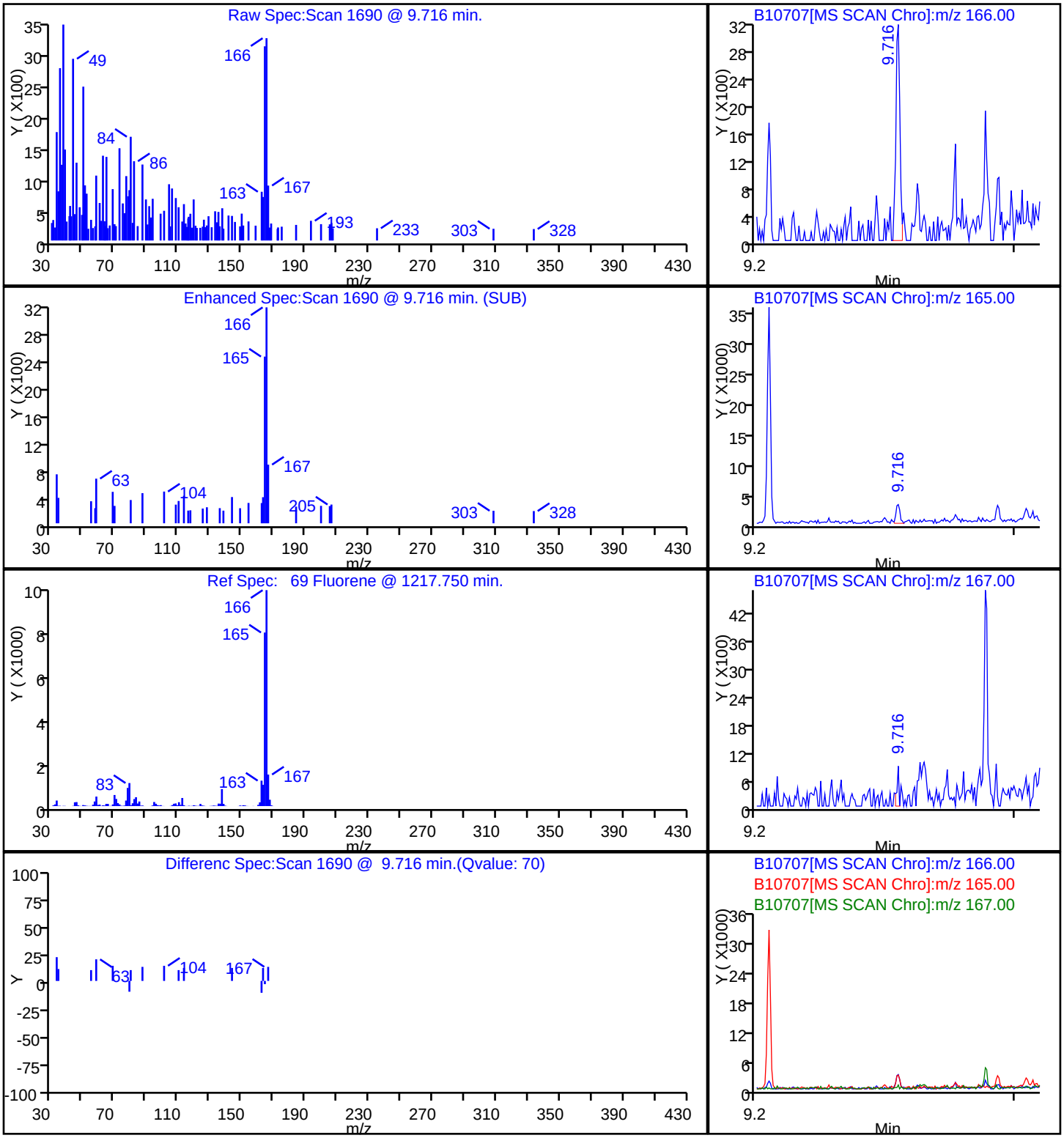
87 Fluoranthene



Report Date: 07-Oct-2009 08:28:20 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

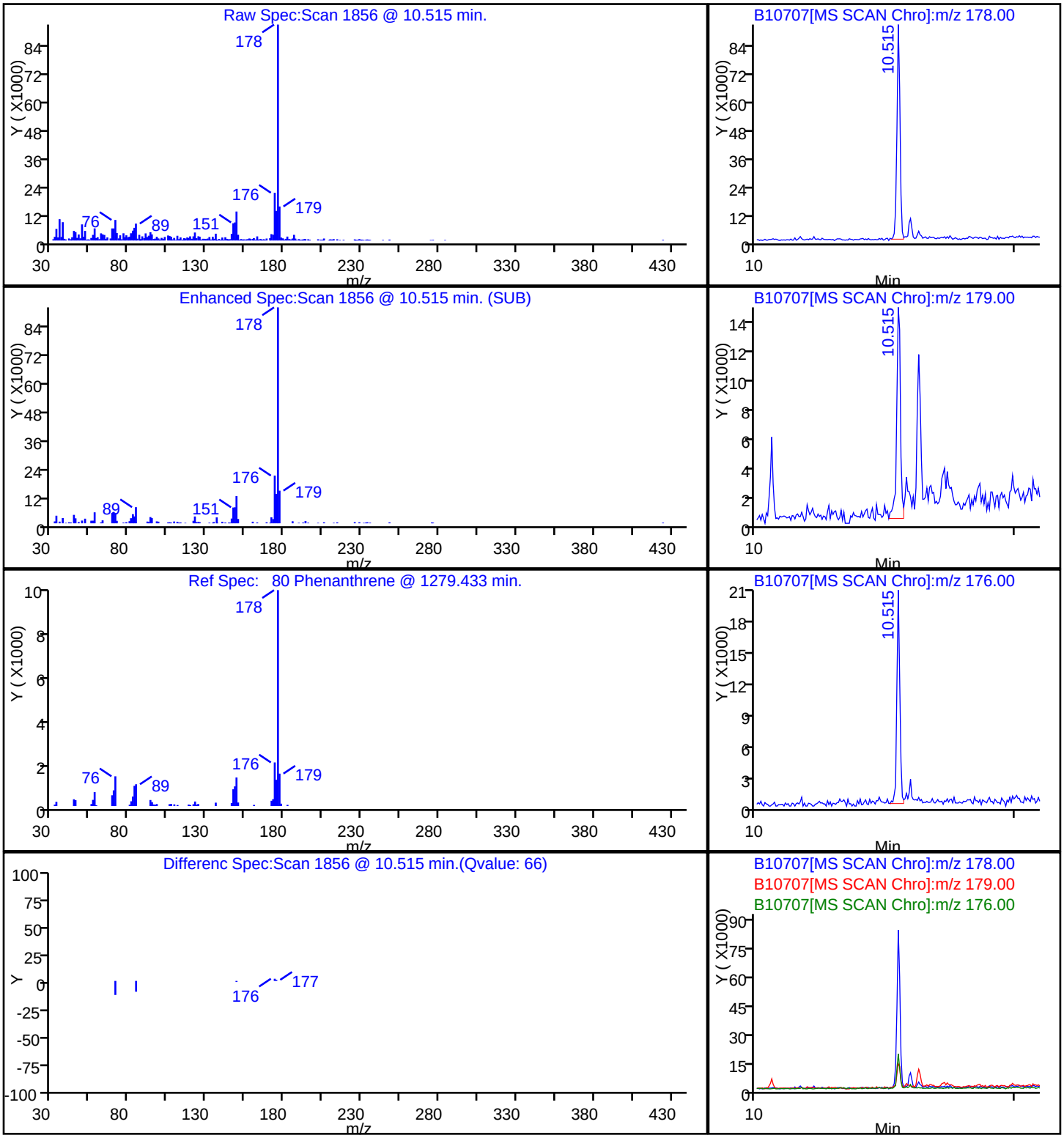
69 Fluorene



Report Date: 07-Oct-2009 08:28:20 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

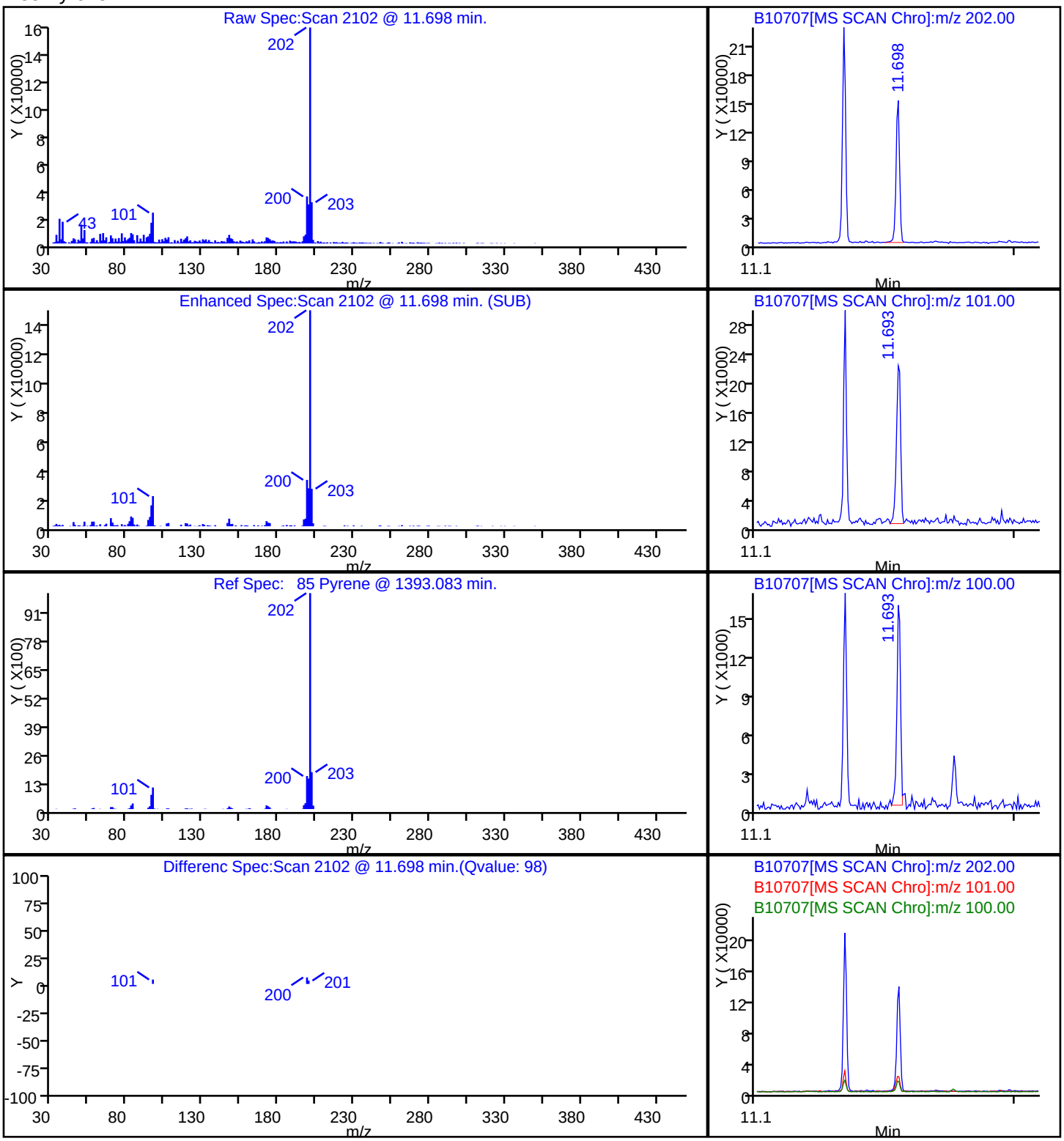
80 Phenanthrene



Report Date: 07-Oct-2009 08:28:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D		
Inj Date:	03-Oct-2009 22:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	39
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24582-22 10x		
Sample Amount:	1.00 ul	Operator:	MZ

85 Pyrene



Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

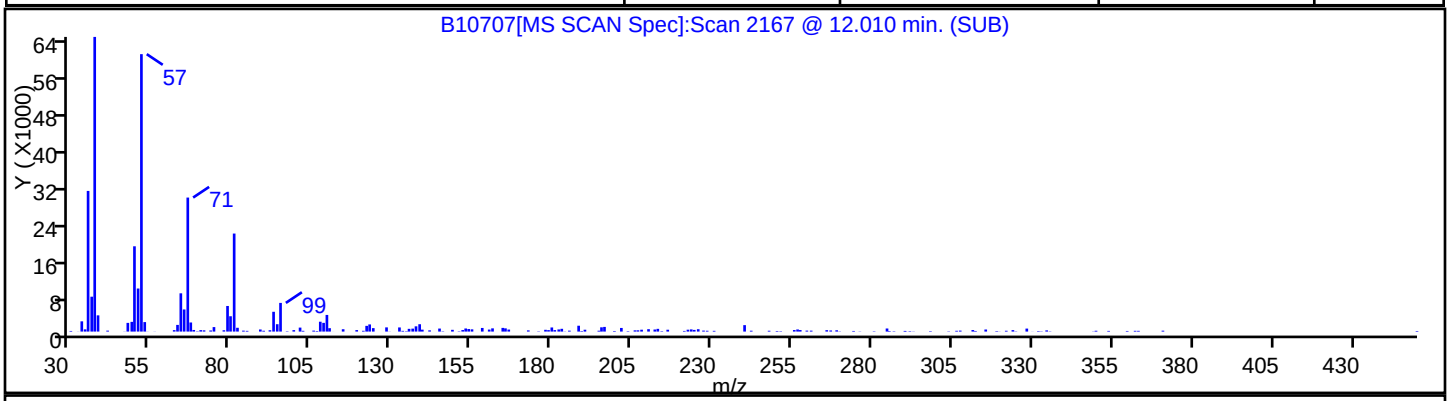
Lims Batch ID: 49826 Lims Sample ID: 39

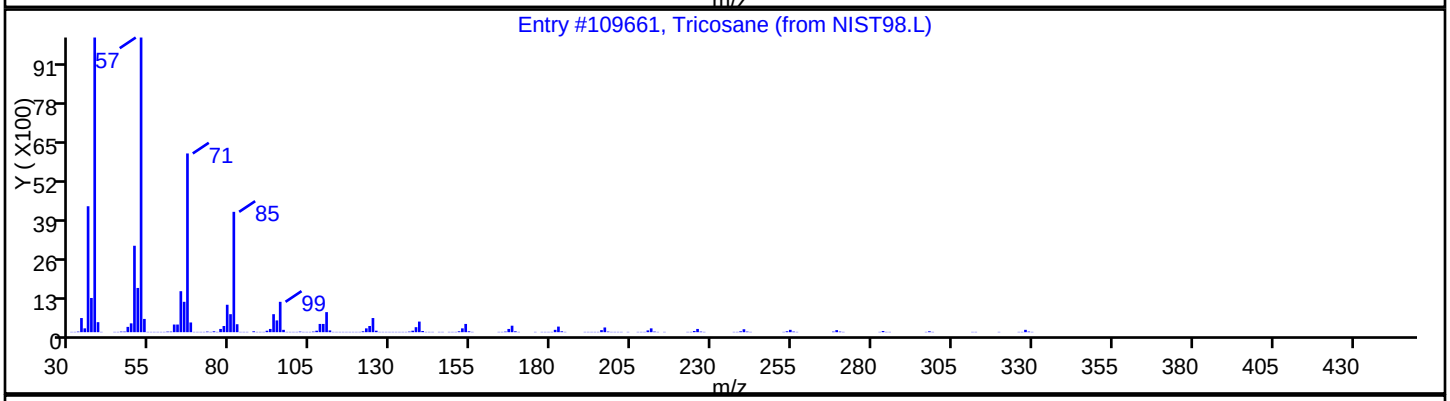
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

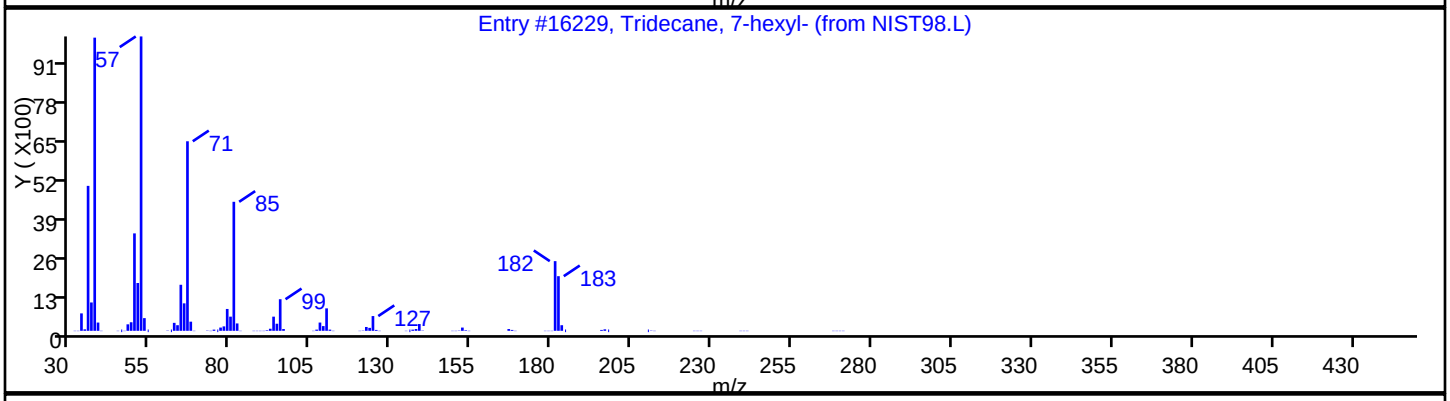
Sample Info: 24582-22 10x

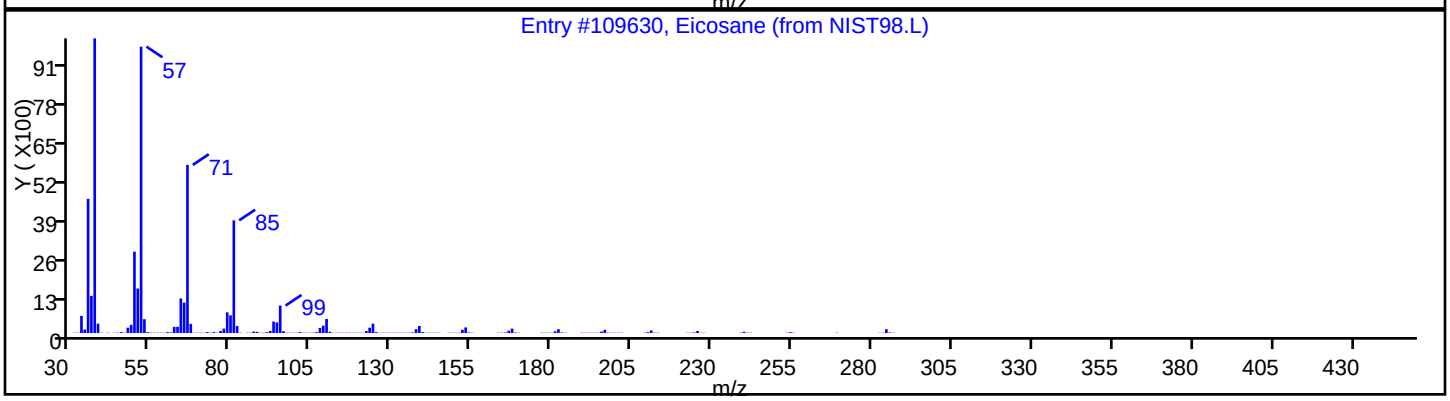
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	96
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	93
Eicosane	112-95-8	NIST98.L	109630	93









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

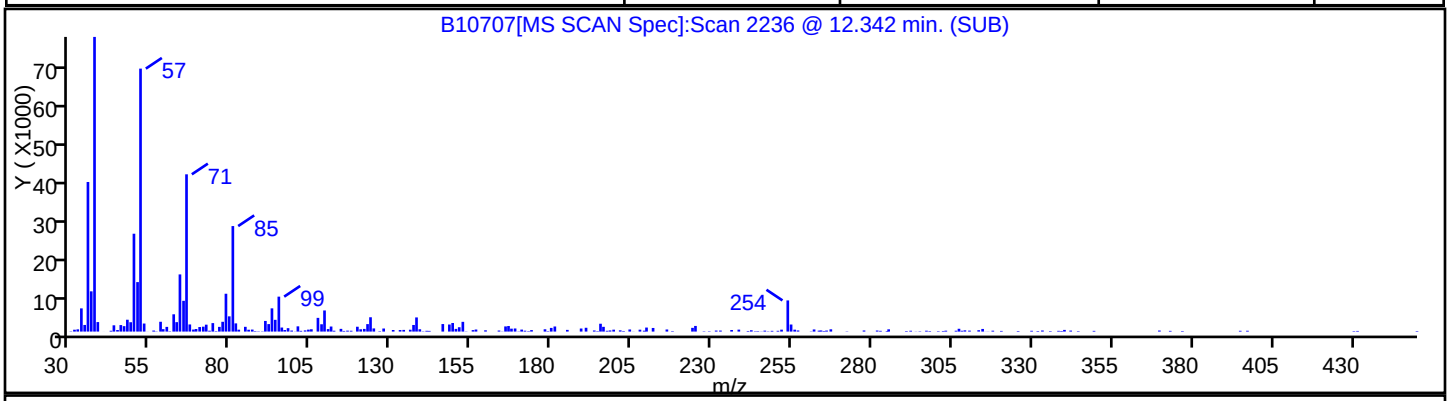
Lims Batch ID: 49826 Lims Sample ID: 39

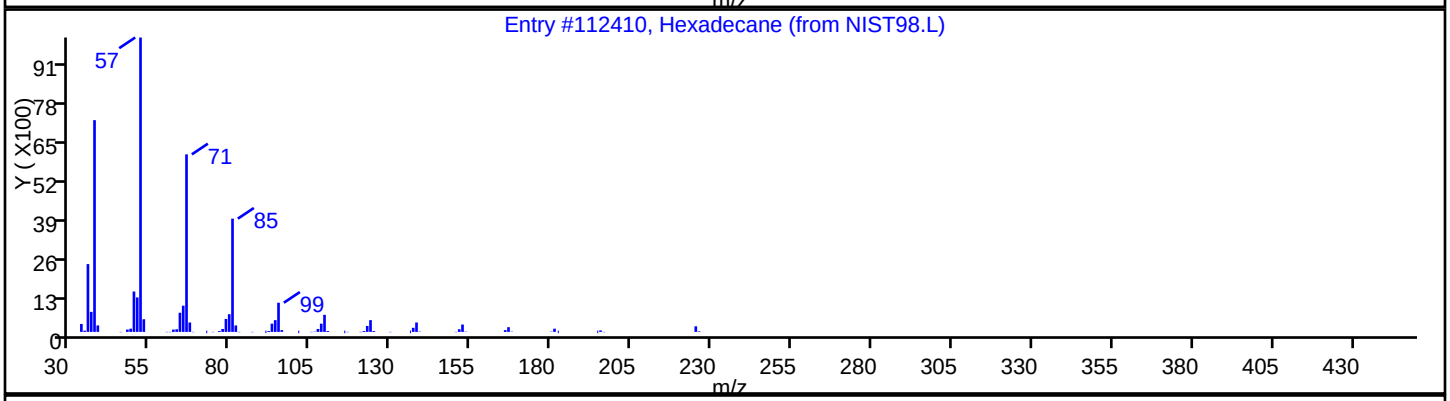
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

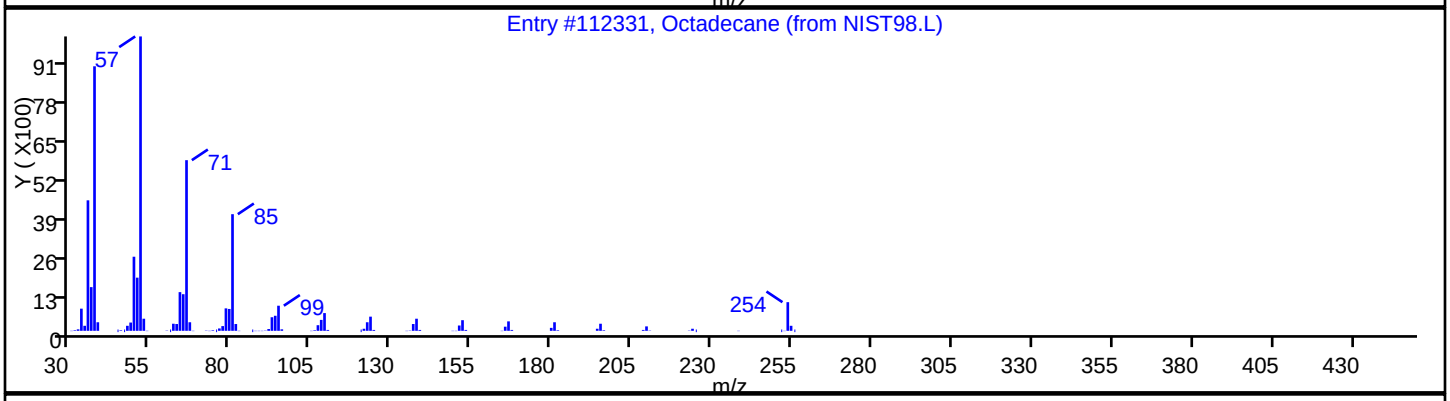
Sample Info: 24582-22 10x

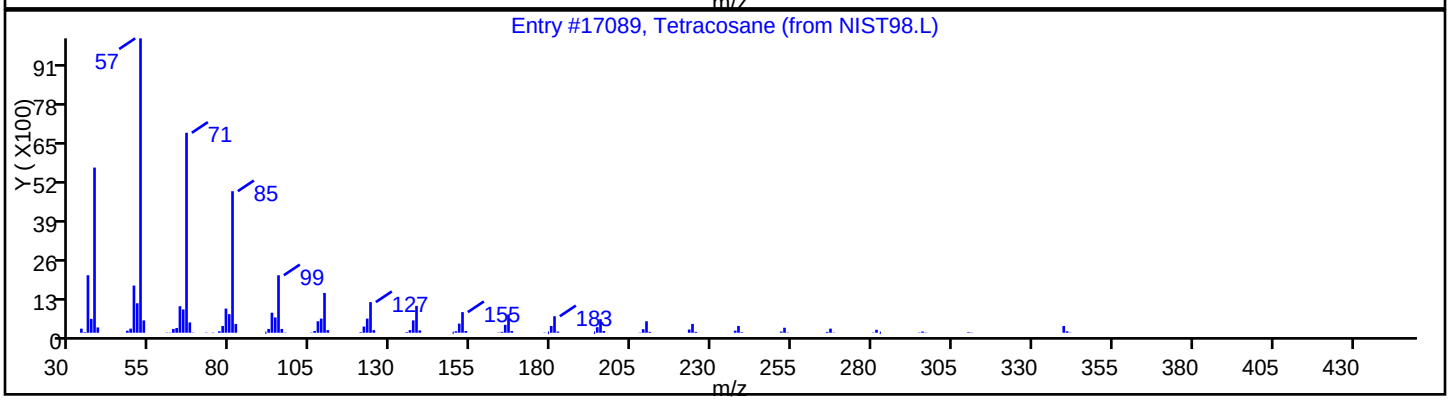
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	96
Octadecane	593-45-3	NIST98.L	112331	96
Tetracosane	646-31-1	NIST98.L	17089	95









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

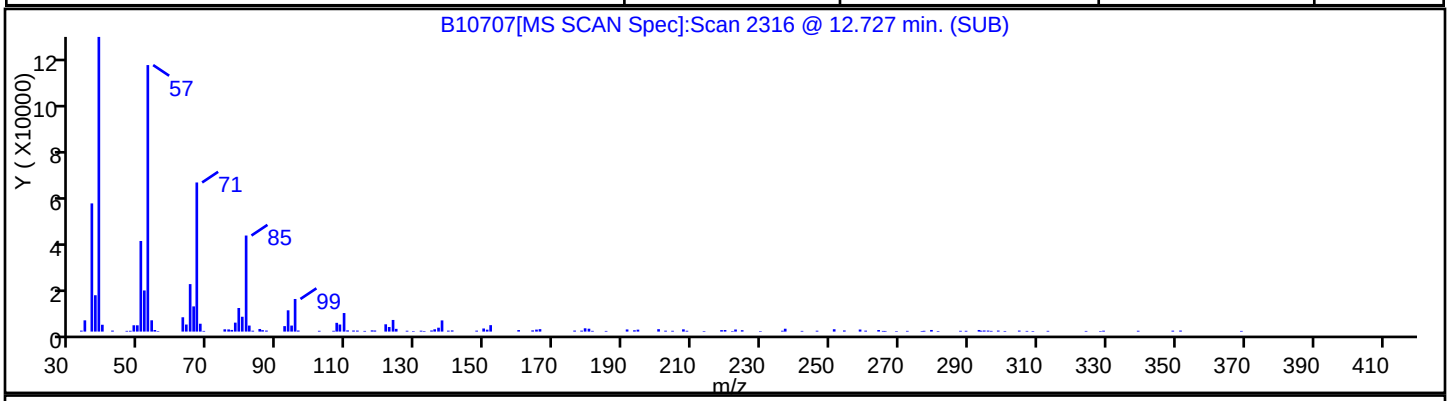
Lims Batch ID: 49826 Lims Sample ID: 39

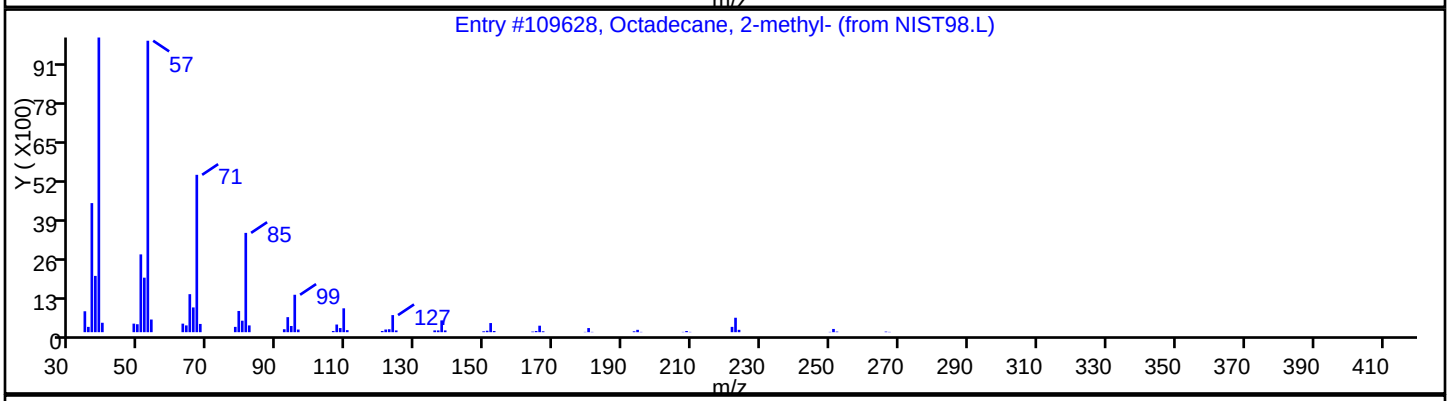
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

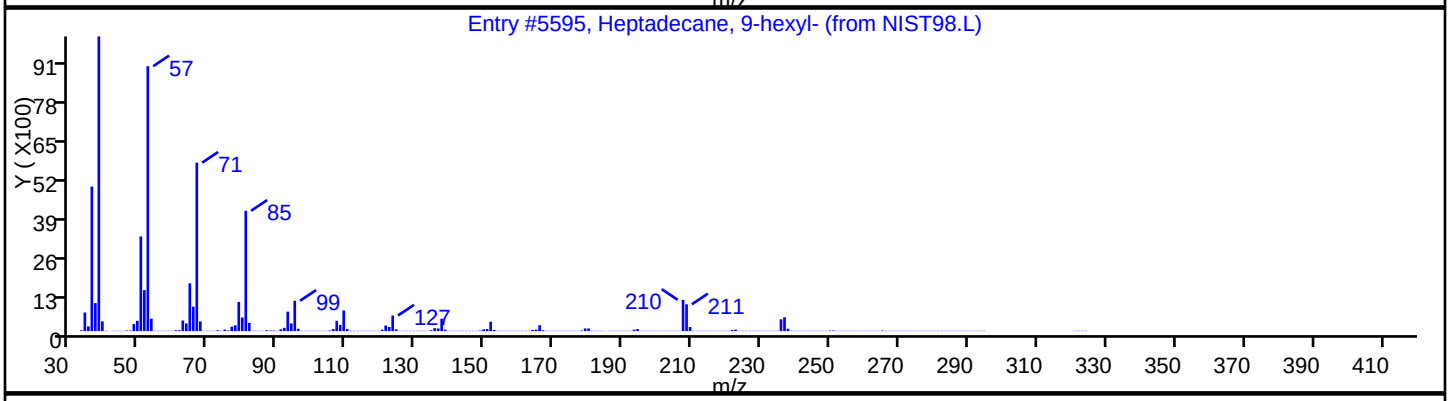
Sample Info: 24582-22 10x

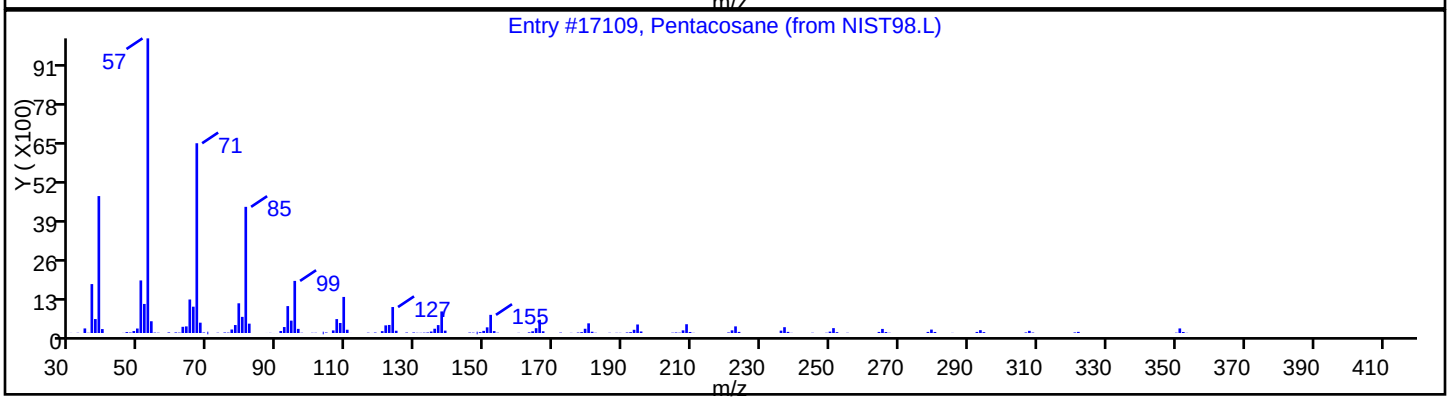
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	96
Heptadecane, 9-hexyl-	55124-79-3	NIST98.L	5595	95
Pentacosane	629-99-2	NIST98.L	17109	94









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

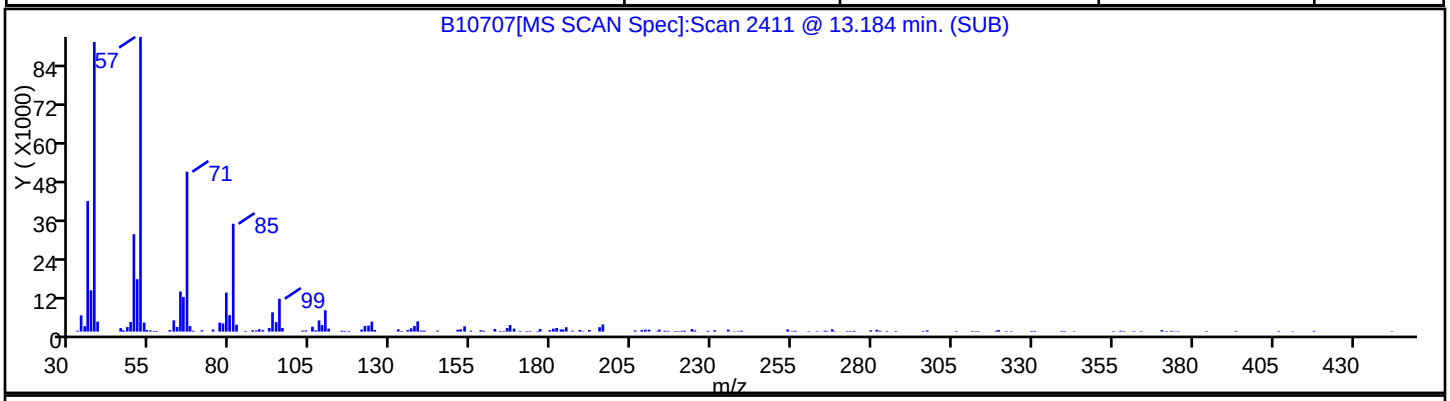
Lims Batch ID: 49826 Lims Sample ID: 39

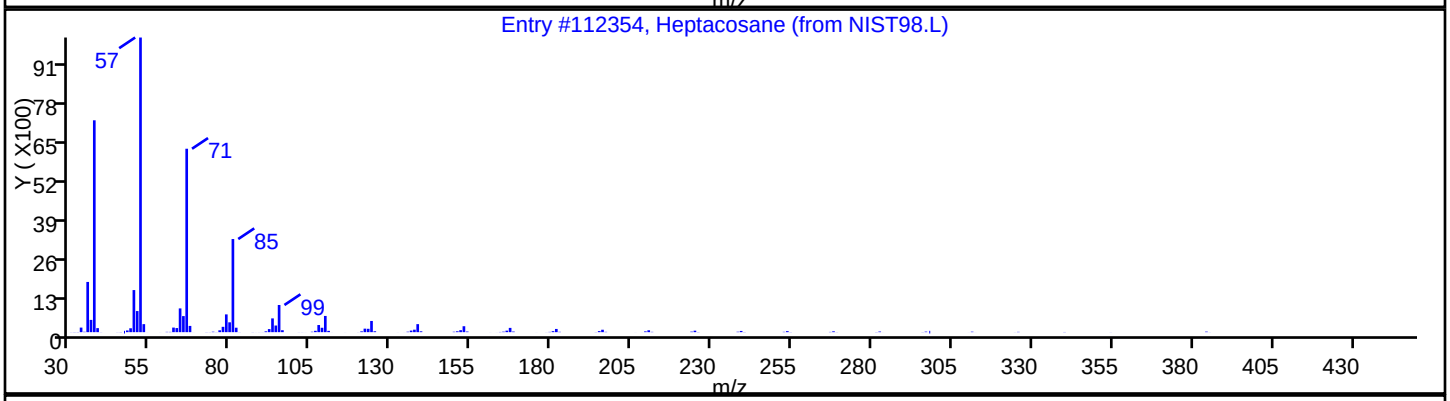
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

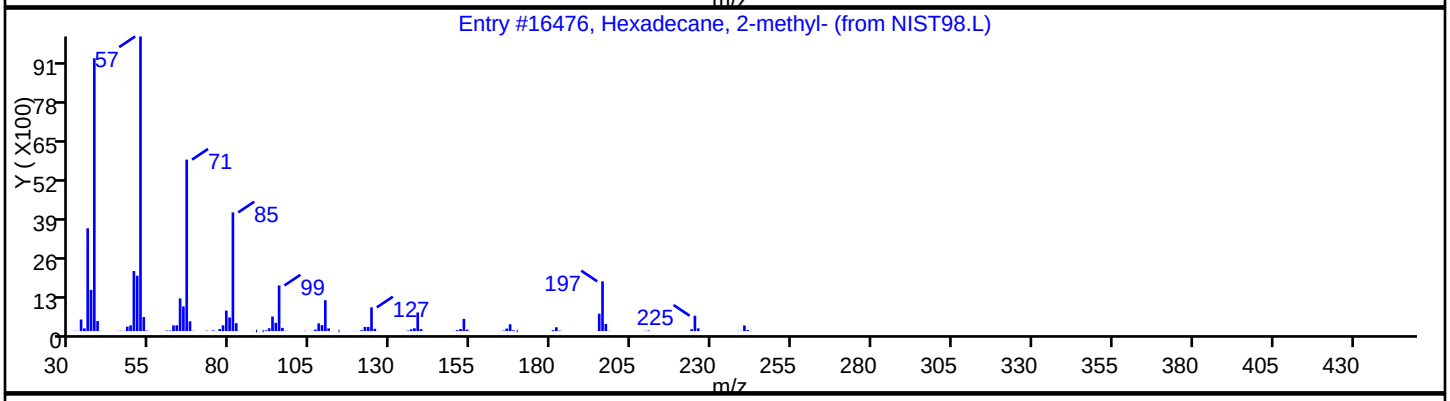
Sample Info: 24582-22 10x

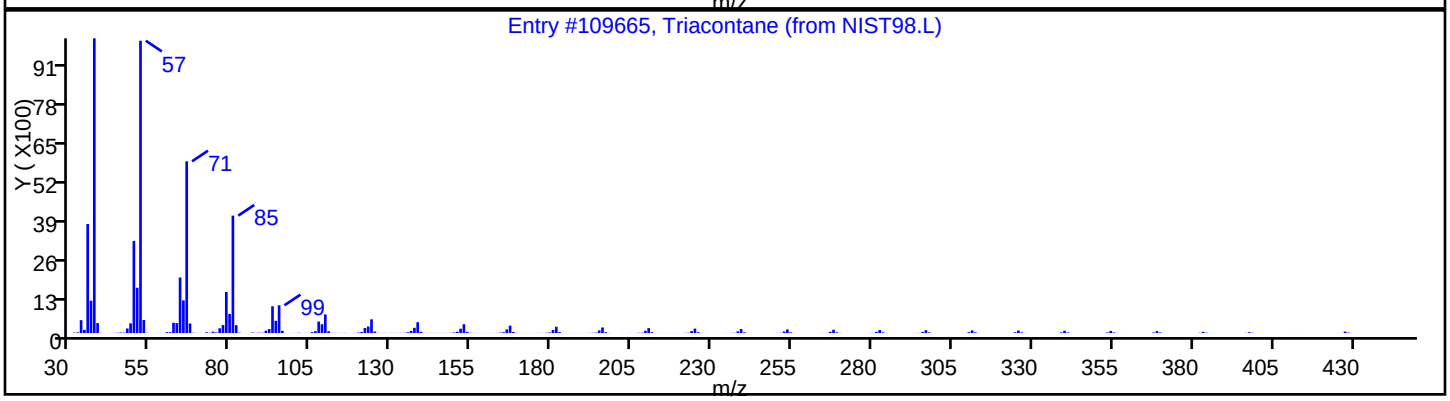
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	98
Hexadecane, 2-methyl-	1560-92-5	NIST98.L	16476	93
Triacontane	638-68-6	NIST98.L	109665	91









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

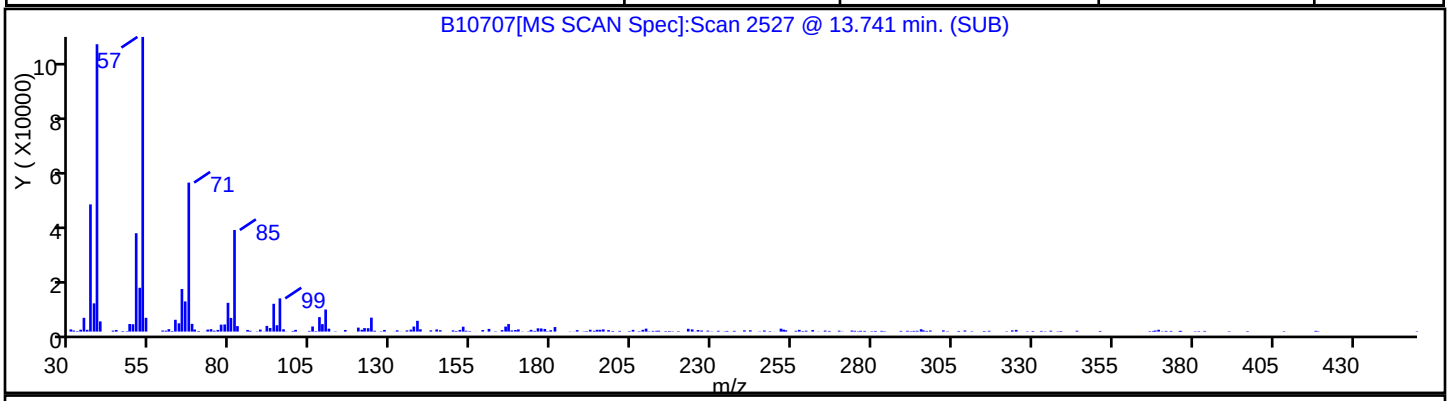
Lims Batch ID: 49826 Lims Sample ID: 39

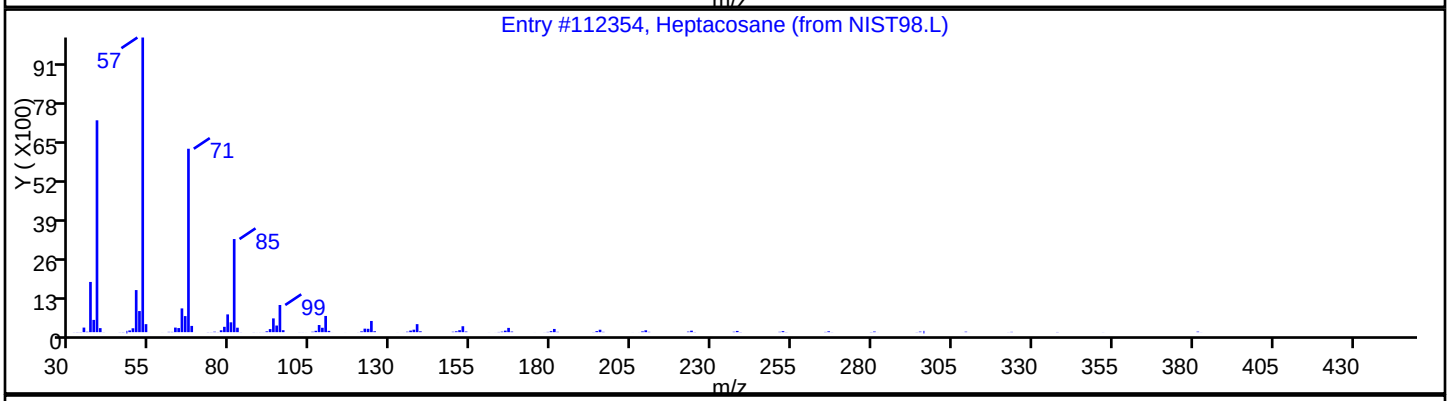
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

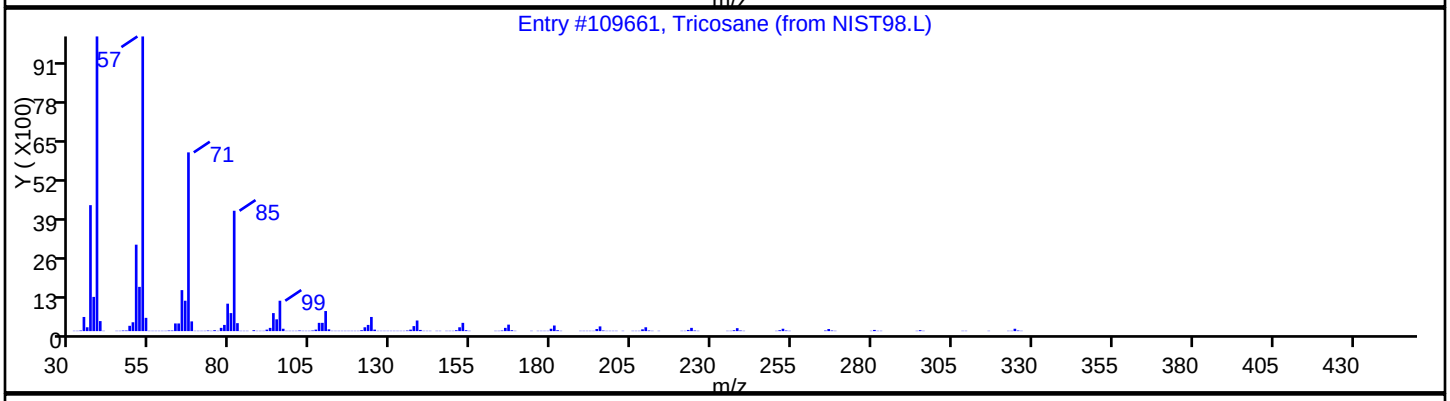
Sample Info: 24582-22 10x

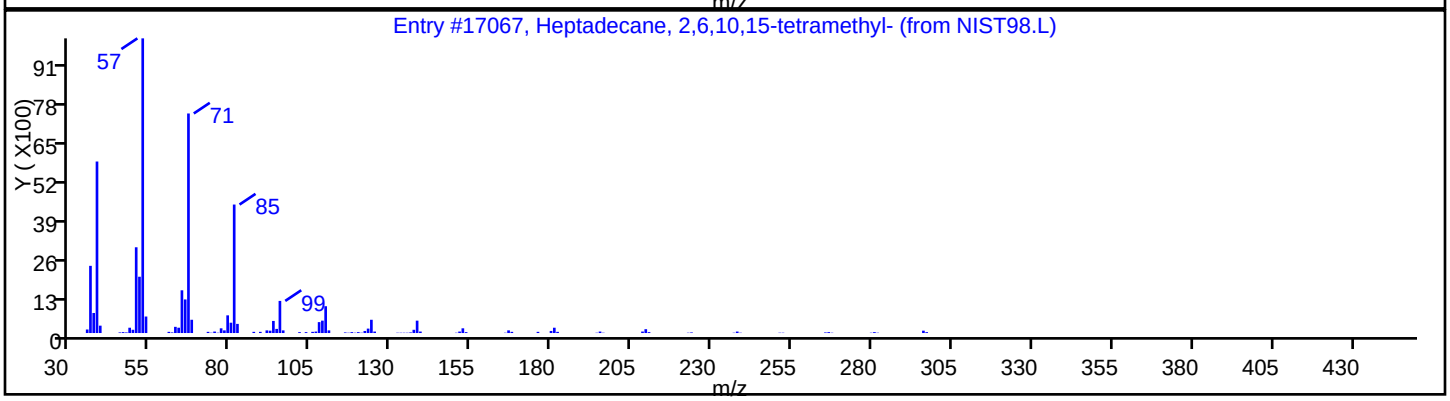
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	96
Tricosane	638-67-5	NIST98.L	109661	94
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

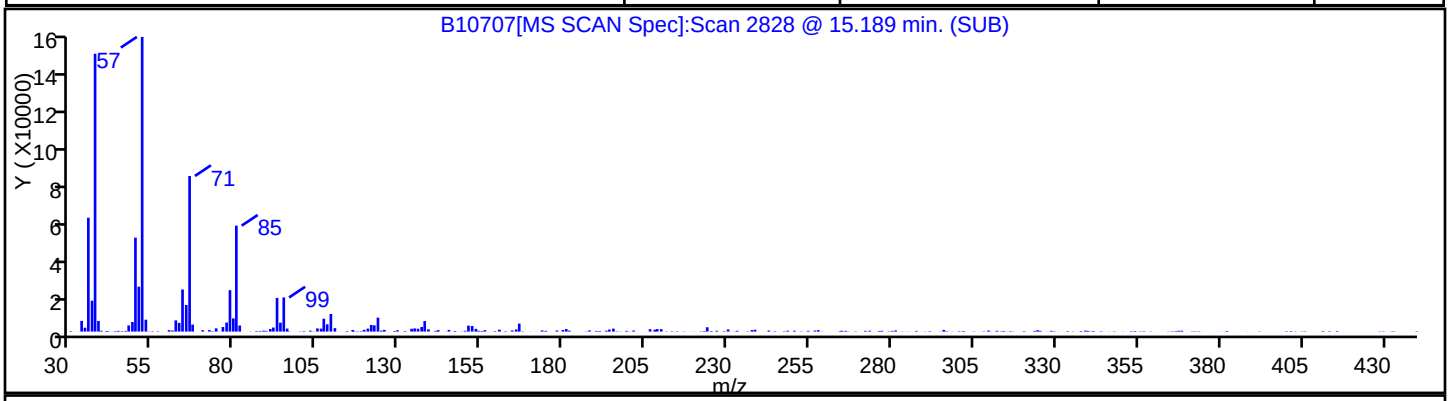
Lims Batch ID: 49826 Lims Sample ID: 39

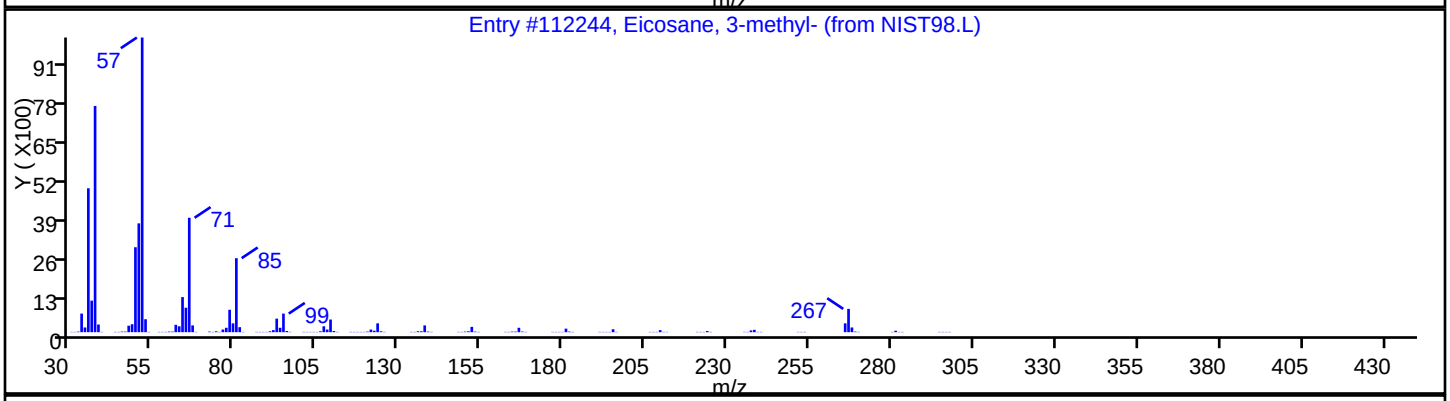
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

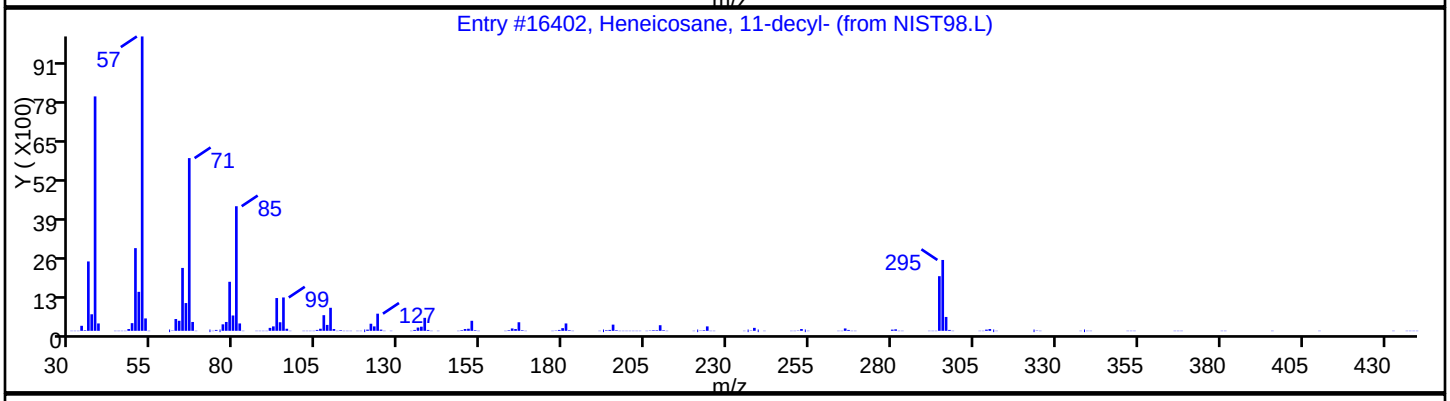
Sample Info: 24582-22 10x

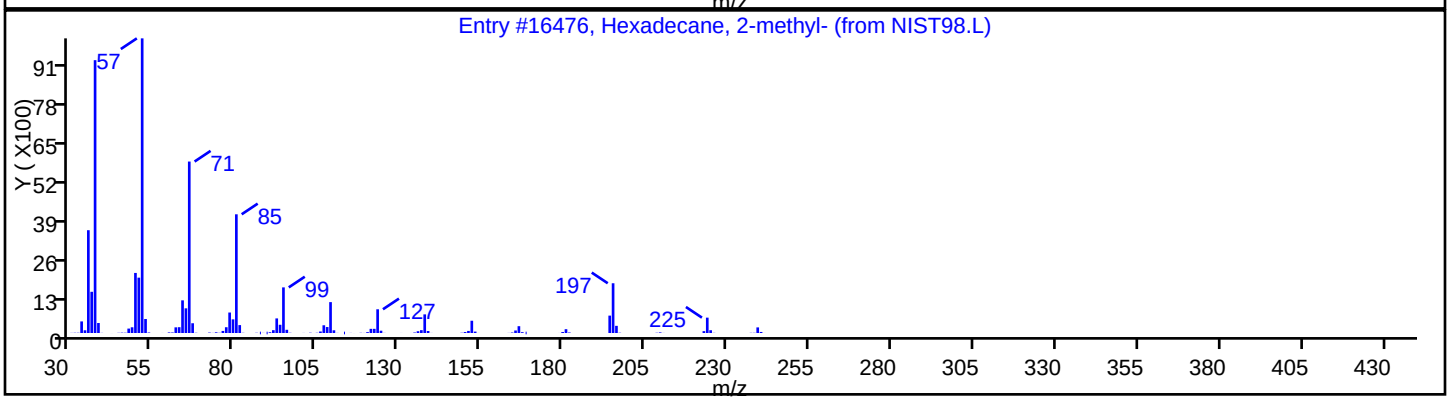
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane, 3-methyl-	6418-46-8	NIST98.L	112244	94
Heneicosane, 11-decyl-	55320-6-4	NIST98.L	16402	93
Hexadecane, 2-methyl-	1560-92-5	NIST98.L	16476	91









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

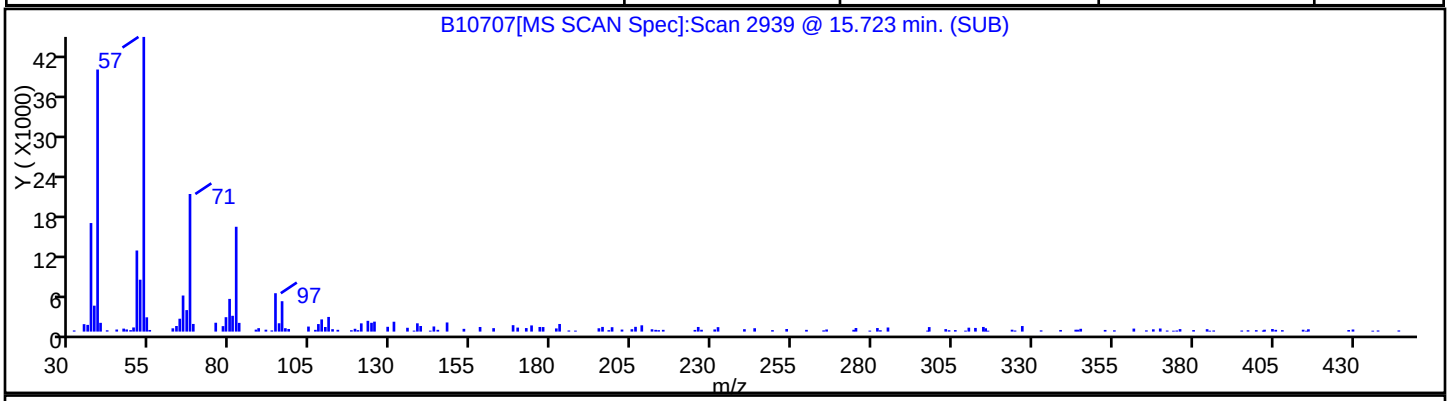
Lims Batch ID: 49826 Lims Sample ID: 39

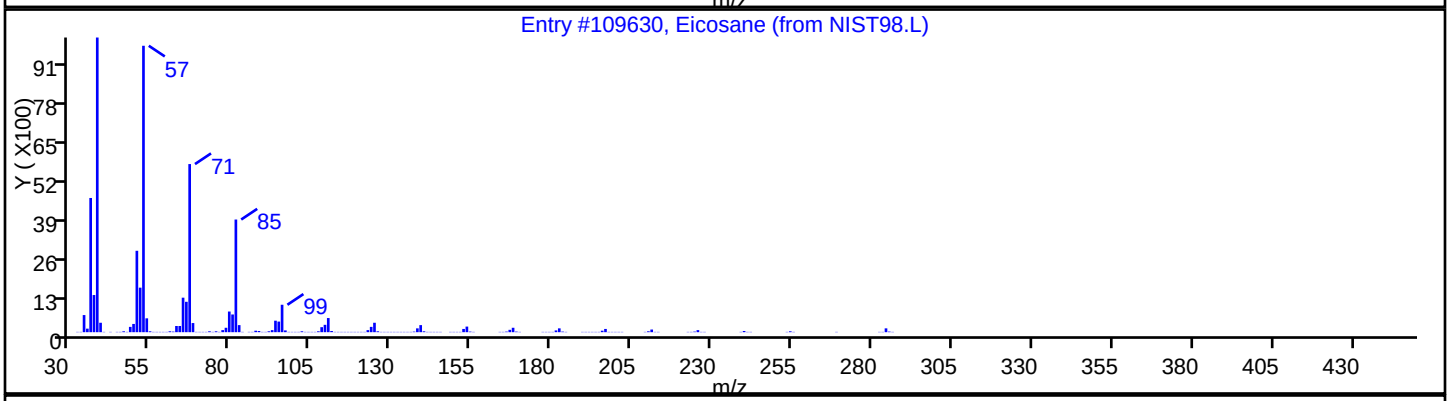
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

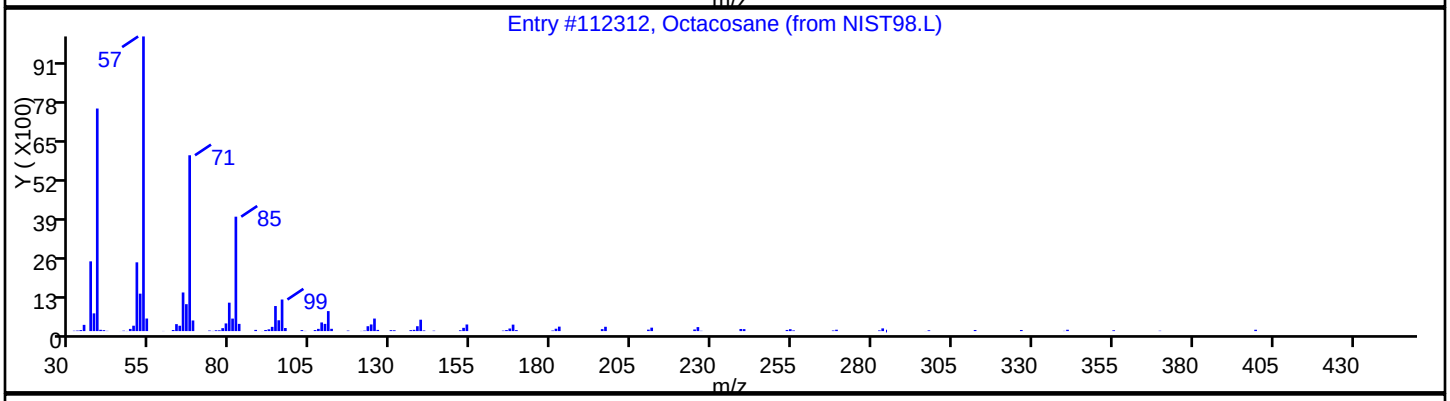
Sample Info: 24582-22 10x

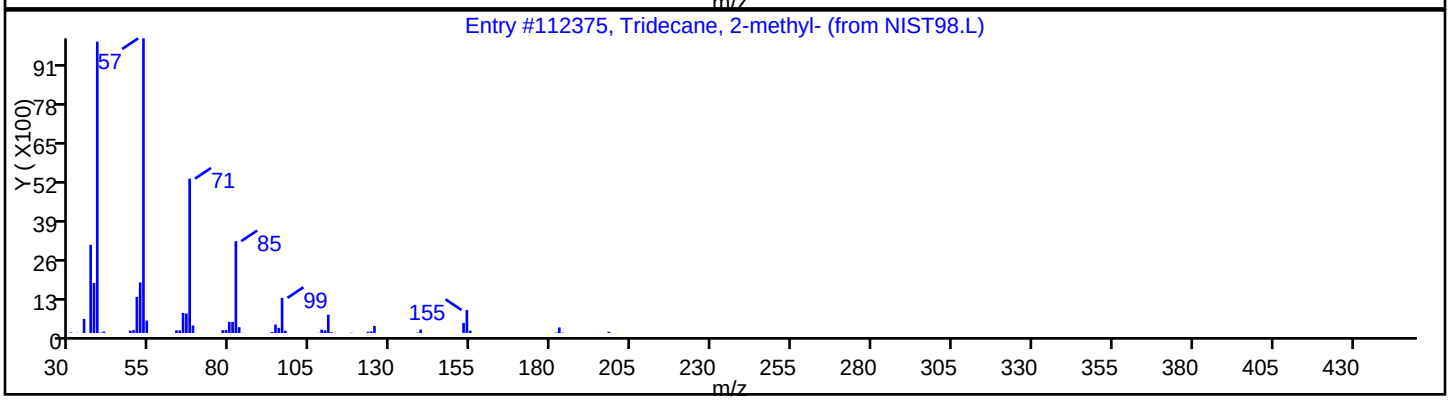
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	96
Octacosane	630-2-4	NIST98.L	112312	93
Tridecane, 2-methyl-	1560-96-9	NIST98.L	112375	90









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

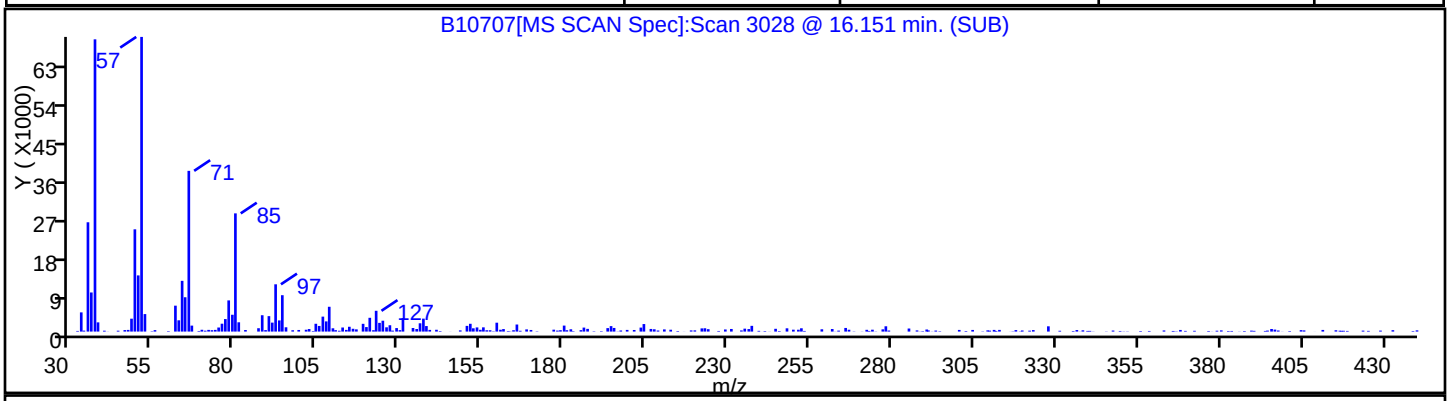
Lims Batch ID: 49826 Lims Sample ID: 39

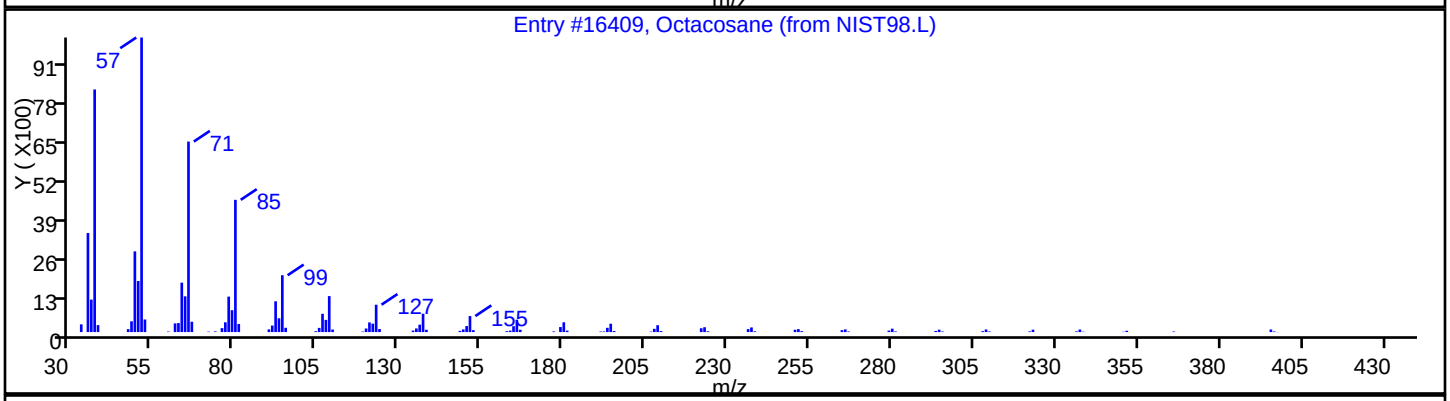
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

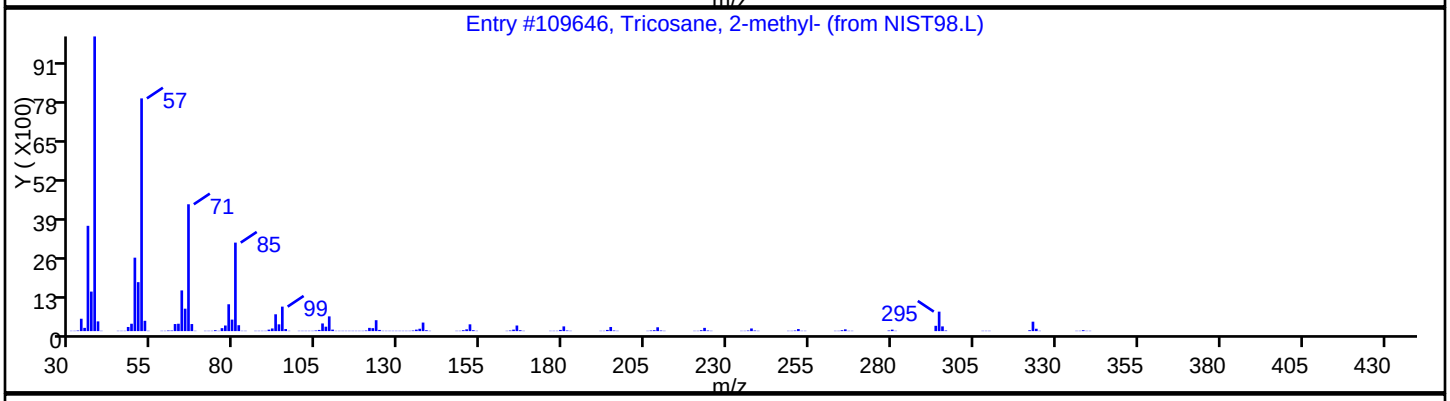
Sample Info: 24582-22 10x

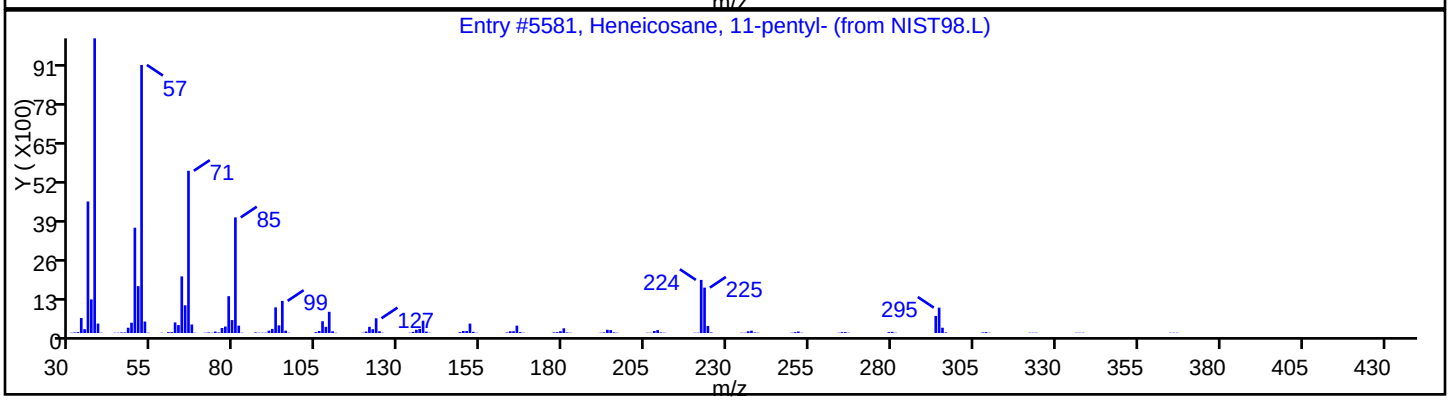
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	16409	97
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	97
Heneicosane, 11-pentyl-	14739-72-1	NIST98.L	5581	97









Report Date: 07-Oct-2009 08:28:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10707.D

Inj Date: 03-Oct-2009 22:51:30 Limit Group: SMS - 8270LL SVOA Calibration

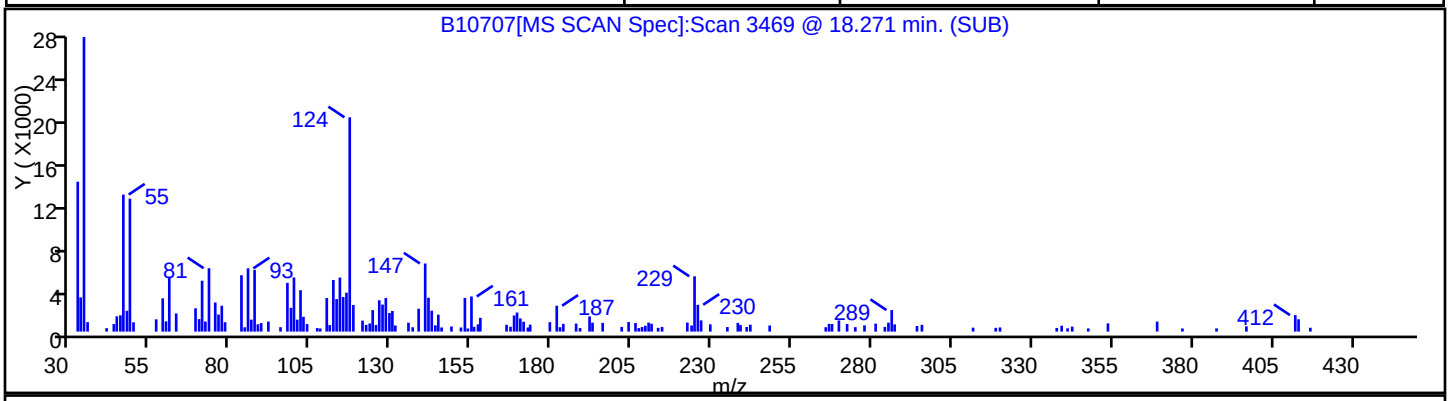
Lims Batch ID: 49826 Lims Sample ID: 39

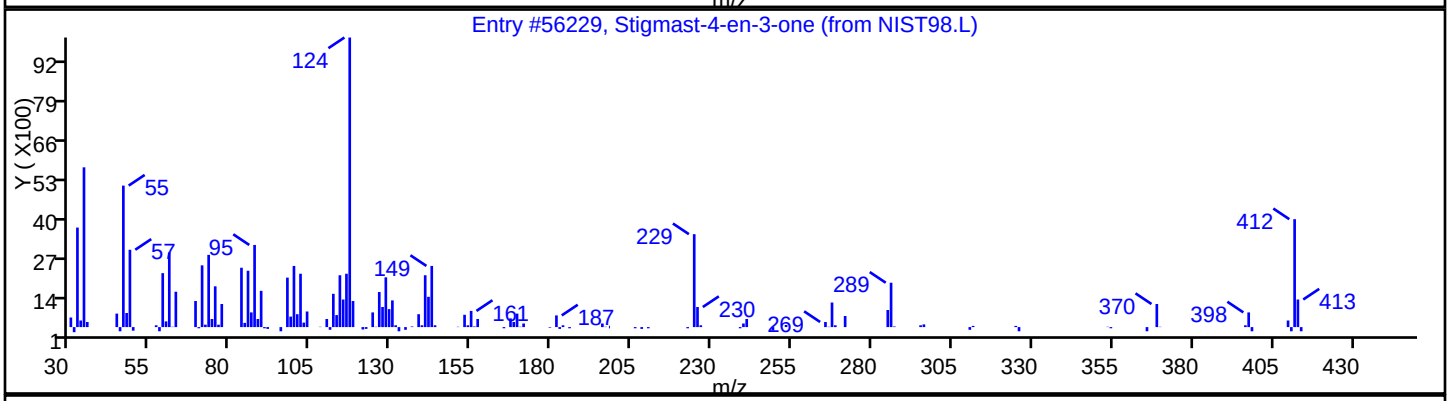
Client ID: OC-SS-416-0.0/1.0-XXX Instrument: Inst. B

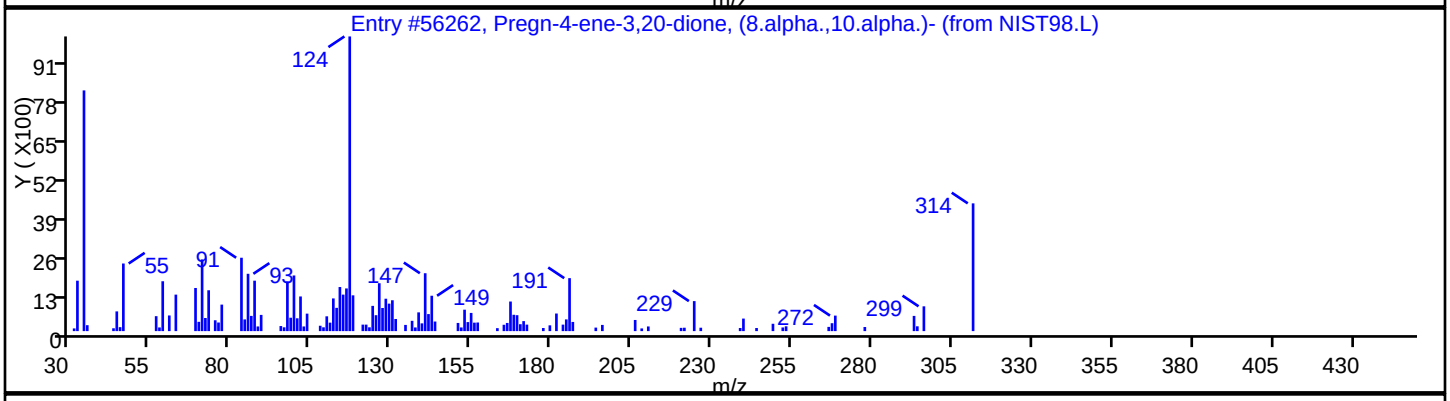
Sample Info: 24582-22 10x

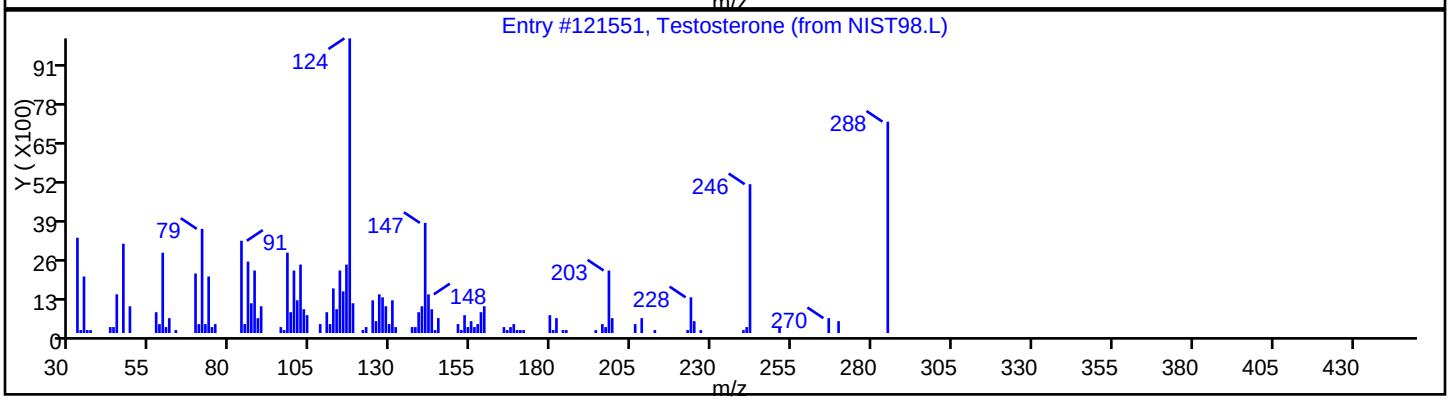
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Stigmast-4-en-3-one	1058-61-3	NIST98.L	56229	93
Pregn-4-ene-3,20-dione, (8.alpha.,10.alp	3795-19-5	NIST98.L	56262	91
Testosterone	58-22-0	NIST98.L	121551	70









FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49509/3	B10547.D
Level 2	STD025 360-49509/4	B10548.D
Level 3	STD05 360-49509/5	B10549.D
Level 4	STD1 360-49509/6	B10550.D
Level 5	STD25 360-49509/7	B10551.D
Level 6	STD5 360-49509/2	B10546.D
Level 7	STD8 360-49509/8	B10552.D
Level 8	STD10 360-49509/9	B10553.D
Level 9	STD20 360-49509/10	B10554.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								
Pyridine	+++++ 0.5138	+++++ 0.4378	0.3739 0.3968	0.4530 +++++	0.4816	Ave		0.4428				12.0		15.0			
1,4-Dioxane	0.4511 0.1663	0.2966 0.1568	0.2604 0.1352	0.2223 0.1593	0.1599	Lin1	0.0361	0.1515							0.9930		0.9900
N-Nitrosodimethylamine	0.4239 0.3523	0.4098 0.3309	0.4090 0.3031	0.3956 0.4597	0.3761	Ave		0.3845				13.0		15.0			
Benzoic acid	+++++ 0.0730	+++++ 0.0885	0.0101 0.1141	0.0223 +++++	0.0615	Qua	-0.002	0.0289	0.0083						0.9950		0.9900
Benzaldehyde	0.4159 0.3382	0.3733 0.3319	0.3729 0.2923	0.3848 0.3767	0.3800	Ave		0.3629				10.0		15.0			
Phenol	0.7722 0.6378	0.7168 0.6325	0.6891 0.5653	0.7162 0.7904	0.7131	Ave		0.6926				10.0		15.0			
Aniline	0.8229 0.7577	0.8049 0.7458	0.8296 0.6671	0.8527 0.9274	0.8548	Ave		0.8070				9.3		15.0			
Bis(2-chloroethyl)ether	0.5906 0.4936	0.5846 0.4891	0.5591 0.4353	0.5630 0.6075	0.5632	Ave		0.5429				11.0		15.0			
2-Chlorophenol	0.6282 0.5579	0.6381 0.5399	0.6456 0.4865	0.6281 0.6624	0.6259	Ave		0.6014				9.8		15.0			
1,4-Dichlorobenzene	0.8095 0.6505	0.8195 0.6415	0.7780 0.5717	0.7678 0.7824	0.7476	Ave		0.7299				12.0		15.0			
1,3-Dichlorobenzene	0.8405 0.6735	0.8701 0.6668	0.7996 0.5942	0.8131 0.8208	0.7834	Ave		0.7624				12.0		15.0			
Benzyl alcohol	0.4408 0.4770	0.4654 0.4668	0.4594 0.4198	0.4952 0.5922	0.5014	Ave		0.4798				10.0		15.0			
1,2-Dichlorobenzene	0.8763 0.6194	0.8173 0.6098	0.7773 0.5392	0.7353 0.7437	0.7112	Ave		0.7144				15.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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-Methylphenol	0.5057 0.4925	0.5444 0.4854	0.5284 0.4319	0.5534 0.6008	0.5540	Ave		0.5218				9.4		15.0			
2,2'-oxybis[1-chloropropane]	1.1513 0.9015	1.1438 0.8662	1.1024 0.7657	1.0809 1.0452	1.0428	Ave		1.0111				13.0		15.0			
3 & 4 Methylphenol	0.5221 0.5259	0.5519 0.5251	0.5447 0.4670	0.5690 0.6563	0.5816	Ave		0.5493				9.4		15.0			
N-Nitrosodi-n-propylamine	0.4529 0.3799	0.3915 0.3946	0.3896 0.3602	0.4224 0.5019	0.4080	Ave		0.4112			0.0500	10.0		15.0			
Acetophenone	0.8639 0.7469	0.8262 0.7516	0.8044 0.6781	0.8226 0.9372	0.8029	Ave		0.8037				9.2		15.0			
2,4-Dinitrophenol	+++++ 0.0943	+++++ 0.1191	0.0199 0.1366	0.0408 0.1580	0.0722	Qua	-0.086	0.1122	0.0025		0.0500				0.9980		0.9900
Hexachloroethane	0.2667 0.2522	0.2787 0.2468	0.2774 0.2216	0.2857 0.3135	0.2730	Ave		0.2684				9.7		15.0			
Nitrobenzene	0.2931 0.2401	0.2687 0.2380	0.2903 0.2154	0.2915 +++++	0.2855	Ave		0.2653				11.0		15.0			
Isophorone	0.4124 0.4027	0.3865 0.3928	0.4264 0.3591	0.4604 +++++	0.4768	Ave		0.4146				9.4		15.0			
2-Nitrophenol	0.0971 0.1172	0.1073 0.1197	0.1210 0.1085	0.1276 0.0820	0.1352	Ave		0.1129				14.0		15.0			
2,4-Dimethylphenol	0.2407 0.2167	0.2551 0.2120	0.2507 0.1861	0.2581 +++++	0.2544	Ave		0.2342				11.0		15.0			
Bis(2-chloroethoxy)methane	0.2964 0.2317	0.2797 0.2276	0.2751 0.2070	0.2721 +++++	0.2797	Ave		0.2587				12.0		15.0			
2,4-Dichlorophenol	0.1656 0.1835	0.1904 0.1759	0.1834 0.1612	0.2006 0.1209	0.2134	Ave		0.1772				15.0		15.0			
1,2,4-Trichlorobenzene	0.2751 0.2004	0.2594 0.1978	0.2666 0.1780	0.2504 0.1330	0.2500	Qua	0.0233	0.2277	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2176 0.2040	0.2170 0.2050	0.2173 0.1847	0.2343 0.1332	0.2392	Ave		0.2058				15.0		15.0			
Naphthalene	0.8748 0.6526	0.8121 0.6434	0.7891 0.5684	0.7991 +++++	0.7855	Ave		0.7406				14.0		15.0			
4-Chloroaniline	0.2770 0.2676	0.2909 0.2666	0.3093 0.2428	0.3084 +++++	0.3142	Ave		0.2846				8.9		15.0			
Hexachlorobutadiene	0.1264 0.1064	0.1331 0.1057	0.1375 0.0958	0.1268 +++++	0.1278	Ave		0.1199				13.0		15.0			
Pentachlorophenol	+++++ 0.0739	+++++ 0.0969	0.0240 0.0989	0.0362 0.1114	0.0632	Qua	-0.061	0.0916	0.0012						0.9990		0.9900
Caprolactam	0.0862 0.0942	0.0658 0.0933	0.0790 0.0853	0.0891 +++++	0.1054	Ave		0.0873				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	0.1583 0.1863	0.1825 0.1839	0.1952 0.1682	0.2001 0.1260	0.2122	Ave		0.1792				14.0		15.0			
2-Methylnaphthalene	0.5714 0.4334	0.5303 0.4229	0.5300 0.3788	0.5269 +++++	0.5204	Ave		0.4893				14.0		15.0			
1-Methylnaphthalene	0.5361 0.4223	0.5172 0.4112	0.5169 0.3670	0.5197 +++++	0.5070	Ave		0.4747				14.0		15.0			
Hexachlorocyclopentadiene	0.1629 0.2011	0.1590 0.2344	0.1681 0.2388	0.1916 0.2542	0.2096	Lin1	-0.019	0.2404			0.0500				0.9940		0.9900
1,2,4,5-Tetrachlorobenzene	0.2214 0.1694	0.2075 0.1707	0.2105 0.1512	0.2067 +++++	0.2132	Ave		0.1938				13.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0858	0.0238 0.1029	0.0356 0.1089	0.0523 0.1179	0.0781	Lin	-0.085	0.1196							0.9960		0.9900
2,4,6-Trichlorophenol	0.2266 0.3039	0.2506 0.3532	0.2580 0.3429	0.2869 0.3575	0.3324	Lin2	-0.012	0.3251							0.9900		0.9900
2,4,5-Trichlorophenol	0.2344 0.3154	0.2528 0.3736	0.2779 0.3607	0.2987 0.3792	0.3484	Lin1	-0.026	0.3672							0.9970		0.9900
1,1'-Biphenyl	1.5186 1.3066	1.3278 1.4882	1.3138 1.4270	1.3586 1.3601	1.4660	Ave		1.3963				5.7		15.0			
2-Chloronaphthalene	1.3248 1.2572	1.2953 1.3462	1.2574 1.3977	1.2998 1.3654	1.3903	Ave		1.3260				4.0		15.0			
Phenyl ether	0.3759 0.2719	0.3303 0.2671	0.3380 0.2381	0.3291 +++++	0.3180	Ave		0.3085				15.0		15.0			
4-Nitroaniline	0.2538 0.3538	0.2595 0.4136	0.2842 0.4083	0.3182 0.4241	0.3805	Lin1	-0.034	0.4107							0.9960		0.9900
Benzidine	+++++ 0.1109	+++++ 0.1670	0.0306 0.1862	0.0629 0.2449	0.1025	Qua	-0.088	0.1248	0.0063						0.9980		0.9900
Dimethyl phthalate	1.0692 1.1727	1.1573 1.3047	1.1664 1.2699	1.2096 1.2490	1.2816	Ave		1.2089				6.2		15.0			
2,6-Dinitrotoluene	0.1814 0.2689	0.2334 0.3081	0.2518 0.3031	0.2686 0.3127	0.2944	Lin2	-0.012	0.2931							0.9960		0.9900
Acenaphthylene	1.5165 1.6408	1.5799 1.8558	1.6054 1.7726	1.6555 1.6499	1.8174	Ave		1.6771				6.8		15.0			
3-Nitroaniline	0.1716 0.2620	0.1928 0.3008	0.2106 0.2973	0.2626 0.3042	0.2892	Lin1	-0.022	0.2984							0.9980		0.9900
Acenaphthene	1.2183 1.0896	1.1001 1.2413	1.0960 1.2111	1.1232 1.1864	1.1964	Ave		1.1625				5.1		15.0			
4-Nitrophenol	0.0707 0.1570	0.0637 0.1828	0.0891 0.1871	0.1214 0.1955	0.1516	Lin1	-0.026	0.1864			0.0500				0.9920		0.9900
2,4-Dinitrotoluene	0.1952 0.3488	0.2300 0.4138	0.2648 0.4128	0.3169 0.4295	0.3728	Lin1	-0.041	0.4140							0.9950		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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								
Dibenzofuran	1.6841 1.4205	1.4119 1.6001	1.4579 1.5369	1.4529 1.4654	1.5916	Ave		1.5135				6.2		15.0			
2,3,4,6-Tetrachlorophenol	0.1136 0.2201	0.1378 0.2646	0.1709 0.2677	0.2034 0.2717	0.2335	Lin1	-0.028	0.2639							0.9950		0.9900
Diethyl phthalate	1.3519 1.2044	1.1522 1.3599	1.2073 1.3230	1.1957 1.2877	1.3315	Ave		1.2682				6.2		15.0			
4-Chlorophenyl phenyl ether	0.6328 0.5240	0.5563 0.5977	0.5358 0.5800	0.5455 0.6077	0.5997	Ave		0.5755				6.4		15.0			
2-Nitroaniline	0.1507 0.2238	0.2151 0.3242	0.2175 0.3233	0.3058 0.3748	0.3086	Qua	-0.015	0.2625	0.0057						0.9970		0.9900
Fluorene	1.2320 1.1835	1.1434 1.3865	1.1662 1.3214	1.2018 1.3089	1.2851	Ave		1.2476				6.6		15.0			
Diphenylamine	0.6116 0.6064	0.5660 0.7164	0.6104 0.6856	0.6275 0.6837	0.6807	Ave		0.6431				7.7		15.0			
N-Nitrosodiphenylamine	0.6116 0.6064	0.5660 0.7164	0.6104 0.6856	0.6275 0.6837	0.6807	Ave		0.6431				7.7		15.0			
1,2-Diphenylhydrazine	0.9839 1.1810	1.1021 1.3834	1.1612 1.3134	1.1854 1.2720	1.3115	Ave		1.2104				10.0		15.0			
Azobenzene	0.9839 1.1810	1.1021 1.3834	1.1612 1.3134	1.1854 1.2720	1.3115	Ave		1.2104				10.0		15.0			
Benzophenone	0.5760 0.6889	0.6133 0.8232	0.6474 0.7919	0.6860 0.7930	0.7580	Ave		0.7086				12.0		15.0			
4-Bromophenyl phenyl ether	0.1634 0.1638	0.1731 0.1956	0.1737 0.1895	0.1729 0.1950	0.1838	Ave		0.1790				7.0		15.0			
Hexachlorobenzene	0.1833 0.1527	0.1597 0.1815	0.1619 0.1751	0.1667 0.1795	0.1765	Ave		0.1708				6.4		15.0			
Atrazine	0.1417 0.1710	0.1554 0.2030	0.1615 0.1924	0.1742 0.1969	0.1984	Ave		0.1772				12.0		15.0			
Pentachloronitrobenzene	0.0516 0.0798	0.0577 0.0988	0.0708 0.0961	0.0728 0.0992	0.0856	Lin1	-0.009	0.0961							0.9950		0.9900
Phenanthrene	1.0521 0.9330	0.9953 1.0940	0.9793 1.0340	0.9830 0.9653	1.0324	Ave		1.0076				4.9		15.0			
Anthracene	0.8886 0.9061	0.8849 1.0784	0.8962 1.0284	0.8906 0.9626	0.9928	Ave		0.9476				7.5		15.0			
Carbazole	0.8176 0.7038	0.7672 0.8090	0.7899 0.7972	0.8227 0.7919	0.8404	Ave		0.7933				5.0		15.0			
Di-n-butyl phthalate	1.4870 1.1537	1.1964 1.3414	1.1668 1.2489	1.1694 1.0870	1.2735	Ave		1.2360				9.7		15.0			
Fluoranthene	0.8946 0.8448	0.8238 0.9916	0.8494 0.9744	0.8636 0.9368	0.9395	Ave		0.9021				6.7		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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								
Pyrene	1.4277 1.2180	1.2919 1.3515	1.3201 1.2747	1.3302 1.2079	1.3557	Ave		1.3086				5.3		15.0			
Butyl benzyl phthalate	0.4804 0.6137	0.4628 0.6946	0.5149 0.6659	0.5662 0.6672	0.6535	Ave		0.5910				15.0		15.0			
3,3'-Dichlorobenzidine	0.1187 0.2311	0.1221 0.2759	0.1604 0.2699	0.2057 0.2793	0.2491	Lin1	-0.030	0.2718							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.6871 0.8685	0.5520 0.9717	0.6686 0.9404	0.7722 0.9428	0.9057	Lin1	-0.065	0.9406							0.9980		0.9900
Benzo[a]anthracene	0.8974 0.8436	0.8416 0.9324	0.8542 0.9012	0.8797 0.9035	0.9310	Ave		0.8872				3.9		15.0			
Chrysene	0.8658 0.7832	0.7999 0.8758	0.8211 0.8433	0.8674 0.8450	0.8791	Ave		0.8423				4.1		15.0			
Di-n-octyl phthalate	0.8961 1.7576	0.7871 2.1039	0.9253 2.0518	1.2320 2.3363	1.7320	Lin	-1.228	2.3279							0.9950		0.9900
Benzo[b]fluoranthene	1.1333 1.0511	0.9997 1.2421	1.0707 1.1684	1.1268 1.3660	1.1547	Ave		1.1459				9.5		15.0			
Benzo[k]fluoranthene	1.0882 1.0083	0.8807 1.1290	0.9365 1.1102	0.9911 1.1918	1.1094	Ave		1.0495				9.6		15.0			
Benzo[a]pyrene	0.7232 0.8114	0.5858 0.9408	0.6370 0.9132	0.7349 0.9859	0.8612	Lin1	-0.071	0.9397							0.9950		0.9900
Indeno[1,2,3-cd]pyrene	0.5198 0.6149	0.4465 0.6822	0.4519 0.6615	0.5394 0.6692	0.6470	Lin1	-0.042	0.6643							0.9980		0.9900
Dibenz(a,h)anthracene	0.4179 0.4793	0.3603 0.5373	0.3420 0.5267	0.4183 0.5497	0.4893	Lin1	-0.038	0.5331							0.9970		0.9900
Benzo[g,h,i]perylene	0.6533 0.5316	0.4420 0.5809	0.4689 0.5431	0.5577 0.5358	0.5748	Ave		0.5431				11.0		15.0			
2-Fluorophenol	0.4890 0.5119	0.4864 0.4979	0.4933 0.4488	0.5640 0.6199	0.5728	Ave		0.5204				10.0		15.0			
Phenol-d5	0.6923 0.6111	0.6694 0.6123	0.6671 0.5502	0.6955 0.7624	0.6905	Ave		0.6612				9.3		15.0			
Nitrobenzene-d5	0.3067 0.2468	0.2849 0.2406	0.2843 0.2177	0.2882 +++++	0.2964	Ave		0.2707				12.0		15.0			
2-Fluorobiphenyl	1.3918 1.2369	1.2720 1.4130	1.2795 1.3355	1.2850 1.3112	1.3762	Ave		1.3224				4.6		15.0			
2,4,6-Tribromophenol	0.0421 0.0628	0.0399 0.0781	0.0532 0.0750	0.0577 0.0823	0.0664	Lin1	-0.008	0.0775							0.9920		0.9900
Terphenyl-d14	0.8367 0.6994	0.7798 0.7839	0.7807 0.7554	0.7732 0.7584	0.7983	Ave		0.7740				4.8		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49509/3	B10547.D
Level 2	STD025 360-49509/4	B10548.D
Level 3	STD05 360-49509/5	B10549.D
Level 4	STD1 360-49509/6	B10550.D
Level 5	STD25 360-49509/7	B10551.D
Level 6	STD5 360-49509/2	B10546.D
Level 7	STD8 360-49509/8	B10552.D
Level 8	STD10 360-49509/9	B10553.D
Level 9	STD20 360-49509/10	B10554.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Pyridine	DCB	Ave	+++++ 562416	+++++ 781514	31169 1042111	77031 +++++	199084	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dioxane	DCB	Lin1	6426 181995	11641 279957	21704 354999	37804 562912	66093	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	6038 385610	16081 590699	34091 795898	67265 1624304	155473	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 196309	+++++ 388173	1972 728670	8898 +++++	58374	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Benzaldehyde	DCB	Ave	5924 370167	14651 592431	31082 767717	65435 1330765	157077	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	11000 698154	28129 1129128	57438 1484455	121782 2792535	294753	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	11722 829347	31585 1331372	69150 1751899	144987 3276597	353352	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	8413 540243	22940 873074	46600 1143143	95737 2146426	232792	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	8949 610655	25041 963735	53815 1277488	106796 2340440	258735	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	11532 712025	32160 1145141	64851 1501429	130559 2764406	309043	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	11973 737193	34144 1190268	66649 1560368	138247 2899963	323814	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	6279 522096	18262 833209	38290 1102499	84209 2092293	207262	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	12483 677934	32073 1088600	64786 1415950	125022 2627640	293979	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	7204 539034	21363 866400	44043 1134249	94104 2122652	228988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
2,2'-oxybis[1-chloropropane]	DCB	Ave	16401 986732	44885 1546179	91885 2010782	183783 3692735	431031	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	7438 575587	21659 937418	45399 1226473	96750 2318682	240422	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	6451 415781	15363 704426	32475 945953	71824 1773079	168660	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	12307 817491	32421 1341590	67045 1780718	139863 3311229	331871	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 96714	+++++ 173284	1786 268409	7282 550849	28444	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	3799 276103	10938 440601	23124 581989	48572 1107488	112862	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	9642 645568	25198 1043916	56841 1375149	116178 +++++	270907	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Isophorone	NPT	Ave	13569 1082903	36250 1723177	83486 2293006	183478 +++++	452449	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Nitrophenol	NPT	Ave	3195 315087	10065 524918	23698 692736	50864 1303794	128317	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	7921 582796	23925 929859	49091 1188162	102873 +++++	241363	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	9753 623040	26235 998478	53857 1322072	108424 +++++	265433	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dichlorophenol	NPT	Ave	5449 493600	17854 771601	35904 1029423	79957 1921116	202442	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	9053 538845	24329 867487	52208 1136839	99784 2113814	237254	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	7158 548700	20351 899170	42541 1179342	93389 2116016	227006	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	28782 1754903	76156 2822321	154513 3629586	318482 +++++	745331	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloroaniline	NPT	Ave	9115 719571	27285 1169202	60566 1550738	122918 +++++	298133	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobutadiene	NPT	Ave	4158 286176	12481 463633	26923 611813	50553 +++++	121303	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pentachlorophenol	PHN	Qua	+++++ 124466	+++++ 226642	3406 318731	10346 637333	40733	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Ave	2836 253346	6175 409381	15468 544583	35519 +++++	99969	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloro-3-methylphenol	NPT	Ave	5210 501091	17112 806790	38229 1074207	79752 2001686	201322	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	18800 1165557	49730 1855005	103765 2418993	209971 +++++	493780	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylnaphthalene	NPT	Ave	17639 1135525	48506 1803814	101201 2343255	207106 +++++	481062	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2496 206326	6966 340912	15118 469223	34165 886189	82605	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	7286 455452	19464 748855	41222 965747	82383 +++++	202295	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 144538	1677 240845	5051 351060	14924 674656	50341	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin2	3472 311754	10980 513752	23205 673710	51148 1246113	130978	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	3591 323577	11076 543427	24996 708701	53254 1321943	137265	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	23267 1340341	58181 2164558	118165 2803425	242200 4741316	577610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	20298 1289676	56757 1958024	113092 2745733	231728 4759855	547815	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	12367 731092	30975 1171535	66182 1520570	131144 +++++	301758	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Nitroaniline	ANT	Lin1	3888 362933	11372 601628	25561 802092	56723 1478275	149915	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	+++++ 186768	+++++ 390686	4333 600013	17944 1401082	66067	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	16381 1202988	50709 1897684	104906 2494670	215640 4354025	504952	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin2	2779 275898	10227 448117	22643 595359	47888 1090209	115989	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	23235 1683232	69228 2699271	144386 3482251	295124 5751593	716065	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	2629 268818	8447 437534	18945 583962	46815 1060506	113958	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	18666 1117732	48206 1805395	98573 2379186	200229 4135817	471386	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	1083 161021	2792 265864	8017 367528	21638 681629	59733	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	2991 357817	10077 601889	23815 811001	56489 1497071	146905	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	25803 1457250	61866 2327273	131124 3019208	259009 5108455	627121	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	1740 225824	6036 384791	15368 525879	36267 947150	91995	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	20712 1235579	50488 1977984	108581 2599037	213166 4489028	524649	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
4-Chlorophenyl phenyl ether	ANT	Ave	9696 537545	24377 869413	48192 1139514	97253 2118281	236304	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Qua	2309 229544	9424 471491	19563 635117	54509 1306478	121589	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	18875 1214136	50101 2016596	104883 2595844	214257 4562933	506331	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	14961 1020908	39851 1675999	86549 2209883	179108 3911351	438571	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	14961 1020908	39851 1675999	86549 2209883	179108 3911351	438571	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	24068 1988412	77592 3236510	164656 4233397	338361 7276951	845013	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	24068 1988412	77592 3236510	164656 4233397	338361 7276951	845013	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	14090 1159908	43178 1925966	91800 2552359	195798 4536922	488395	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	3997 275845	12189 457714	24626 610844	49347 1115762	118444	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	4483 257141	11244 424528	22961 564453	47576 1026774	113725	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	3467 287990	10941 474971	22905 620127	49710 1126516	127796	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	1263 134407	4064 231150	10035 309791	20772 567268	55121	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	25736 1570871	70071 2559381	138870 3332928	280596 5522586	665153	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	21737 1525546	62301 2522934	127083 3314599	254195 5507107	639648	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	20000 1184997	54016 1892701	112006 2569637	234835 4530354	541478	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	36373 1942536	84232 3138249	165448 4025405	333792 6218741	820514	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	21883 1422366	58000 2319930	120448 3140577	246498 5359673	605320	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	22633 1511209	60232 2426881	123842 3290853	260707 5660141	630305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	7616 761390	21576 1247244	48307 1719045	110960 3126669	303841	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	1881 286732	5693 495476	15044 696843	40316 1308885	115832	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	10892 1077576	25737 1744897	62726 2427773	151348 4417840	421107	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49509

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzo[a]anthracene	CRY	Ave	14227 1046633	39239 1674378	80136 2326484	172411 4233849	432861	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	13725 971732	37296 1572710	77026 2176932	170001 3959532	408741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	9319 1579122	25285 2629239	60848 3733452	170861 6482082	561996	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	11786 944358	32115 1552261	70413 2125981	156268 3790042	374687	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	11317 905942	28292 1410943	61589 2020163	137442 3306664	359985	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	7521 728976	18819 1175686	41894 1661641	101920 2735289	279459	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Lin1	5406 552471	14343 852513	29719 1203598	74804 1856809	209930	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	4346 430656	11574 671501	22493 958403	58009 1525021	158766	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	6794 477587	14200 725997	30834 988274	77337 1486622	186514	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	6966 560270	19089 888786	41118 1178495	95904 2190273	236767	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	9862 668911	26270 1093061	55603 1444795	118266 2693547	285407	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	10090 663603	26720 1055164	55673 1390277	114841 +++++	281233	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	21324 1268894	55735 2055243	115075 2623679	229089 4570727	542253	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1031 105760	2809 182713	7544 241765	16470 470606	42801	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	13265 867774	36357 1407641	73238 1950175	151528 3553725	371141	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10546.D		
Lims ID:	std5	Client ID:	
Inject. Date:	25-Sep-2009 17:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001300-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49509	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 16:58:19
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:15:53

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.254	7.254	0.000	437830	2.00	
* 2 Naphthalene-d8	136	8.389	8.389	0.000	1075684	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	410342	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	673476	2.00	
* 5 Chrysene-d12	240	14.044	14.044	0.000	496279	2.00	
* 6 Perylene-d12	264	16.530	16.530	0.000	359383	2.00	
$ 7 2-Fluorophenol	112	5.941	5.941	0.000	560270	4.92	
$ 8 Phenol-d5	99	6.898	6.898	0.000	668911	4.62	
$ 9 Nitrobenzene-d5	82	7.754	7.754	0.000	663603	4.56	
$ 10 2-Fluorobiphenyl	172	9.293	9.293	0.000	1268894	4.68	
$ 11 2,4,6-Tribromophenol	330	10.543	10.543	0.000	105760	4.15	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	867774	4.52	
14 1,4-Dioxane	88	3.133	3.122	0.010	181995	5.25	
15 N-Nitrosodimethylamine	42	3.796	3.796	0.000	385610	4.58	
16 Pyridine	79	3.811	3.811	0.000	562416	5.80	
17 Benzaldehyde	105	6.850	6.850	0.000	370167	4.66	
18 Phenol	94	6.907	6.907	0.000	698154	4.60	
19 Aniline	93	6.946	6.946	0.000	829347	4.69	
20 Bis(2-chloroethyl)ether	93	7.004	7.004	0.000	540243	4.55	
21 2-Chlorophenol	128	7.056	7.056	0.000	610655	4.64	
22 1,4-Dichlorobenzene	146	7.201	7.201	0.000	712025	4.46	
23 1,3-Dichlorobenzene	146	7.268	7.268	0.000	737193	4.42	
24 Benzyl alcohol	79	7.374	7.374	0.000	522096	4.97	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	677934	4.33	
26 2-Methylphenol	108	7.465	7.465	0.000	539034	4.72	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	986732	4.46	
28 3 & 4 Methylphenol	108	7.600	7.600	0.000	575587	4.79	
29 N-Nitrosodi-n-propylamine	70	7.609	7.609	0.000	415781	4.62	
30 Acetophenone	105	7.614	7.614	0.000	817491	4.65	
31 Hexachloroethane	117	7.715	7.715	0.000	276103	4.70	
32 Nitrobenzene	77	7.773	7.773	0.000	645568	4.52	
33 Isophorone	82	7.975	7.975	0.000	1082903	4.86	
34 2-Nitrophenol	139	8.052	8.052	0.000	315087	5.19	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	582796	4.63	
36 Benzoic acid	105	8.124	8.119	0.005	196309	5.14	
37 Bis(2-chloroethoxy)methane	93	8.148	8.148	0.000	623040	4.48	
38 2,4-Dichlorophenol	162	8.254	8.254	0.000	493600	5.18	
39 1,2,4-Trichlorobenzene	180	8.331	8.331	0.000	538845	4.78	
40 Alpha-Terpineol	59	8.393	8.393	0.000	548700	4.96	
41 Naphthalene	128	8.408	8.408	0.000	1754903	4.41	
42 4-Chloroaniline	127	8.437	8.437	0.000	719571	4.70	
43 Hexachlorobutadiene	225	8.504	8.504	0.000	286176	4.44	
44 Caprolactam	55	8.725	8.725	0.000	253346	5.40	
45 4-Chloro-3-methylphenol	107	8.831	8.831	0.000	501091	5.20	
46 2-Methylnaphthalene	142	8.994	8.994	0.000	1165557	4.43	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	1135525	4.45	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	206326	4.26	
49 1,2,4,5-Tetrachlorobenzene	216	9.134	9.134	0.000	455452	4.37	
50 2,4,6-Trichlorophenol	196	9.220	9.220	0.000	311754	4.71	
51 2,4,5-Trichlorophenol	196	9.254	9.254	0.000	323577	4.37	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	1340341	4.68	
53 2-Chloronaphthalene	162	9.408	9.408	0.000	1289676	4.74	
54 Phenyl ether	170	9.466	9.466	0.000	731092	4.41	
68 4-Nitroaniline	138	9.485	9.485	0.000	362933	4.39	
56 Dimethyl phthalate	163	9.615	9.615	0.000	1202988	4.85	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	275898	4.63	
58 Acenaphthylene	152	9.764	9.764	0.000	1683232	4.89	
59 3-Nitroaniline	138	9.826	9.826	0.000	268818	4.46	
61 Acenaphthene	153	9.908	9.908	0.000	1117732	4.69	
60 2,4-Dinitrophenol	184	9.908	9.908	0.000	96714	4.51	
62 4-Nitrophenol	109	9.937	9.937	0.000	161021	4.35	
63 2,4-Dinitrotoluene	165	10.019	10.019	0.000	357817	4.31	
64 Dibenzofuran	168	10.052	10.052	0.000	1457250	4.69	
65 2,3,4,6-Tetrachlorophenol	232	10.144	10.144	0.000	225824	4.28	
66 Diethyl phthalate	149	10.201	10.201	0.000	1235579	4.75	
67 4-Chlorophenyl phenyl ether	204	10.322	10.322	0.000	537545	4.55	
69 Fluorene	166	10.341	10.341	0.000	1214136	4.74	
55 2-Nitroaniline	65	10.336	10.335	0.001	229544	3.97	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	144538	4.30	
71 Diphenylamine	169	10.418	10.418	0.000	1020908	4.71	
72 N-Nitrosodiphenylamine	169	10.418	10.418	0.000	1020908	4.71	
74 Azobenzene	77	10.456	10.456	0.000	1988412	4.88	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	1988412	4.88	
13 Benzophenone	105	10.466	10.466	0.000	1159908	4.86	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	275845	4.58	
76 Hexachlorobenzene	284	10.807	10.807	0.000	257141	4.47	
77 Atrazine	200	10.841	10.841	0.000	287990	4.83	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.966	10.969	-0.003	124466	4.45	
79 Pentachloronitrobenzene	237	10.976	10.976	0.000	134407	4.24	
80 Phenanthrene	178	11.154	11.154	0.000	1570871	4.63	
81 Anthracene	178	11.197	11.197	0.000	1525546	4.78	
83 Carbazole	167	11.317	11.317	0.000	1184997	4.44	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	1942536	4.67	
87 Fluoranthene	202	12.173	12.173	0.000	1422366	4.68	
86 Benzidine	184	12.269	12.277	-0.008	186768	4.24	
85 Pyrene	202	12.404	12.404	0.000	1511209	4.65	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	761390	5.19	
91 3,3'-Dichlorobenzidine	252	13.947	13.947	0.000	286732	4.36	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	1077576	4.69	
93 Benzo[a]anthracene	228	14.024	14.024	0.000	1046633	4.75	
94 Chrysene	228	14.092	14.092	0.000	971732	4.65	
95 Di-n-octyl phthalate	149	15.376	15.376	0.000	1579122	4.30	
97 Benzo[b]fluoranthene	252	15.982	15.982	0.000	944358	4.59	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.000	905942	4.80	
99 Benzo[a]pyrene	252	16.448	16.448	0.000	728976	4.39	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	552471	4.69	
101 Dibenz(a,h)anthracene	278	18.362	18.362	0.000	430656	4.57	
102 Benzo[g,h,i]perylene	276	18.862	18.862	0.000	477587	4.89	

Report Date: 28-Sep-2009 07:15:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10546.D

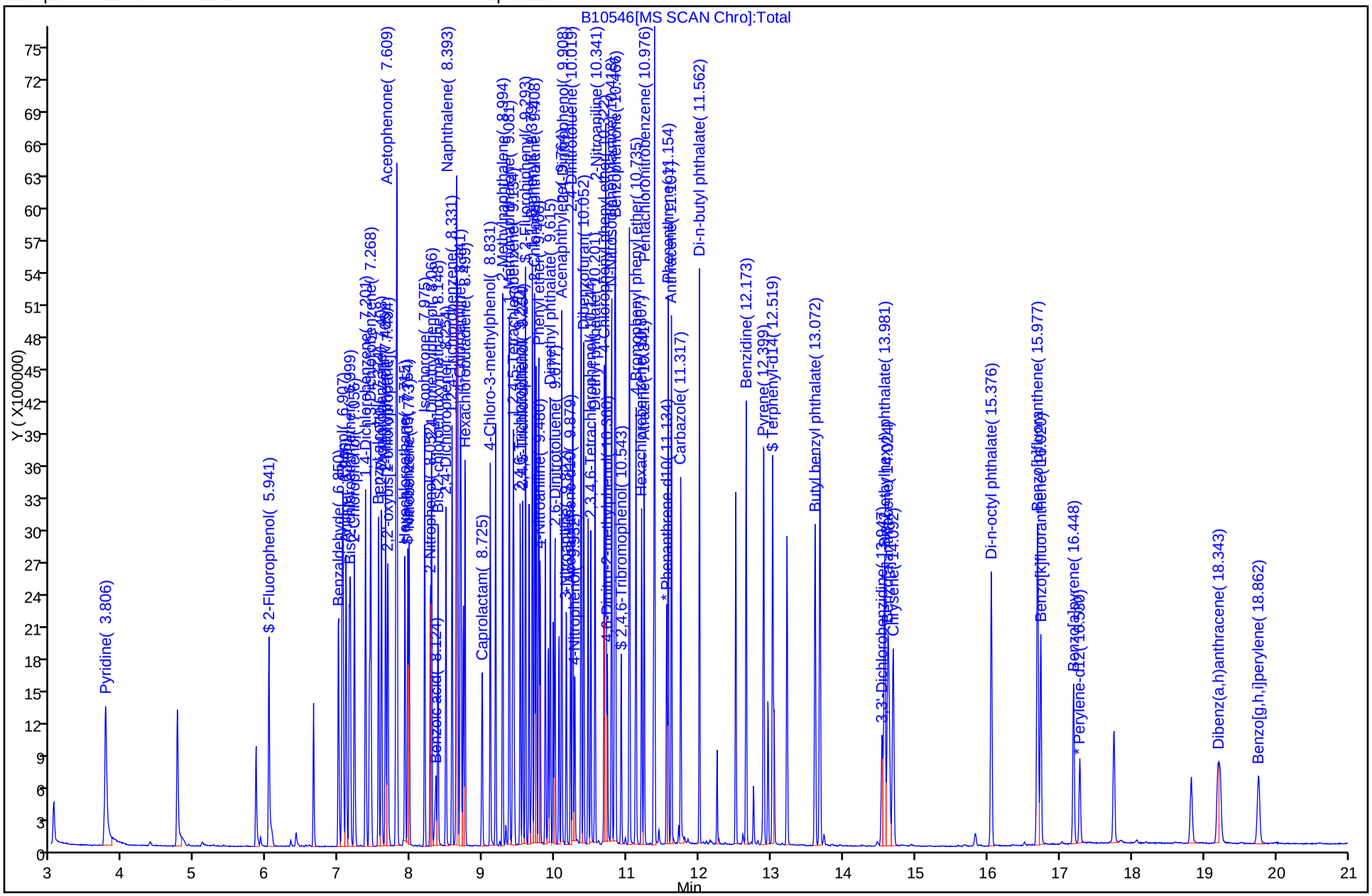
Inj Date: 25-Sep-2009 17:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Lims ID:	std01	Client ID:	
Inject. Date:	25-Sep-2009 17:51:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001300-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49509	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:01:31
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:00

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.254	-0.001	284906	2.00	
* 2 Naphthalene-d8	136	8.388	8.389	-0.001	658044	2.00	
* 3 Acenaphthene-d10	164	9.878	9.879	-0.001	306424	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	489229	2.00	
* 5 Chrysene-d12	240	14.038	14.044	-0.006	317062	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	207987	2.00	
$ 7 2-Fluorophenol	112	5.940	5.941	-0.001	6966	0.0940	
$ 8 Phenol-d5	99	6.892	6.898	-0.006	9862	0.1047	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	10090	0.1133	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	21324	0.1053	
$ 11 2,4,6-Tribromophenol	330	10.537	10.543	-0.006	1031	0.1554	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	13265	0.1081	
14 1,4-Dioxane	88	3.117	3.137	-0.020	6426	0.0596	M
15 N-Nitrosodimethylamine	42	3.805	3.806	-0.001	6038	0.1102	M
17 Benzaldehyde	105	6.849	6.850	-0.001	5924	0.1146	
18 Phenol	94	6.906	6.908	-0.002	11000	0.1115	
19 Aniline	93	6.945	6.946	-0.001	11722	0.1020	
20 Bis(2-chloroethyl)ether	93	7.003	7.004	-0.001	8413	0.1088	
21 2-Chlorophenol	128	7.055	7.057	-0.002	8949	0.1045	
22 1,4-Dichlorobenzene	146	7.200	7.201	-0.001	11532	0.1109	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	11973	0.1102	
24 Benzyl alcohol	79	7.373	7.374	-0.001	6279	0.0919	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	12483	0.1227	
26 2-Methylphenol	108	7.464	7.465	-0.001	7204	0.0969	
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	16401	0.1139	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.599	7.600	-0.001	7438	0.0951	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	6451	0.1101	
30 Acetophenone	105	7.613	7.614	-0.001	12307	0.1075	
31 Hexachloroethane	117	7.714	7.715	-0.001	3799	0.0994	
32 Nitrobenzene	77	7.772	7.773	-0.001	9642	0.1105	
33 Isophorone	82	7.974	7.975	-0.001	13569	0.0995	
34 2-Nitrophenol	139	8.051	8.052	-0.001	3195	0.0860	
35 2,4-Dimethylphenol	107	8.061	8.066	-0.005	7921	0.1028	
37 Bis(2-chloroethoxy)methane	93	8.147	8.148	-0.001	9753	0.1146	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	5449	0.0935	
39 1,2,4-Trichlorobenzene	180	8.330	8.331	-0.001	9053	0.0187	
40 Alpha-Terpineol	59	8.392	8.393	-0.001	7158	0.1057	
41 Naphthalene	128	8.402	8.408	-0.006	28782	0.1181	
42 4-Chloroaniline	127	8.436	8.442	-0.006	9115	0.0973	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	4158	0.1054	
44 Caprolactam	55	8.700	8.725	-0.025	2836	0.0987	
45 4-Chloro-3-methylphenol	107	8.830	8.831	-0.001	5210	0.0884	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	18800	0.1168	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	17639	0.1129	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	2496	0.1477	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.134	-0.001	7286	0.1142	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	3472	0.1065	
51 2,4,5-Trichlorophenol	196	9.253	9.254	-0.001	3591	0.1345	
52 1,1'-Biphenyl	154	9.378	9.379	-0.001	23267	0.1088	
53 2-Chloronaphthalene	162	9.407	9.413	-0.006	20298	0.0999	
54 Phenyl ether	170	9.465	9.466	-0.001	12367	0.1218	
68 4-Nitroaniline	138	9.479	9.485	-0.006	3888	0.1436	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	16381	0.0884	
57 2,6-Dinitrotoluene	165	9.676	9.677	-0.001	2779	0.1031	
58 Acenaphthylene	152	9.763	9.764	-0.001	23235	0.0904	
59 3-Nitroaniline	138	9.825	9.826	-0.001	2629	0.1314	
61 Acenaphthene	153	9.907	9.908	-0.001	18666	0.1048	
62 4-Nitrophenol	109	9.936	9.937	-0.001	1083	0.1757	
63 2,4-Dinitrotoluene	165	10.018	10.019	-0.001	2991	0.1474	
64 Dibenzofuran	168	10.051	10.052	-0.001	25803	0.1113	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.144	-0.001	1740	0.1473	
66 Diethyl phthalate	149	10.196	10.202	-0.006	20712	0.1066	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	9696	0.1100	
69 Fluorene	166	10.340	10.341	-0.001	18875	0.0987	
55 2-Nitroaniline	65	10.335	10.341	-0.006	2309	0.1127	M
71 Diphenylamine	169	10.412	10.418	-0.006	14961	0.0951	
72 N-Nitrosodiphenylamine	169	10.412	10.418	-0.006	14961	0.0951	
74 Azobenzene	77	10.455	10.456	-0.001	24068	0.0813	
73 1,2-Diphenylhydrazine	77	10.455	10.456	-0.001	24068	0.0813	
13 Benzophenone	105	10.465	10.466	-0.001	14090	0.0813	
75 4-Bromophenyl phenyl ether	248	10.734	10.735	-0.001	3997	0.0913	
76 Hexachlorobenzene	284	10.806	10.807	-0.001	4483	0.1073	
77 Atrazine	200	10.840	10.841	-0.001	3467	0.0800	
79 Pentachloronitrobenzene	237	10.975	10.976	-0.001	1263	0.1427	
80 Phenanthrene	178	11.153	11.154	-0.001	25736	0.1044	
81 Anthracene	178	11.196	11.197	-0.001	21737	0.0938	
83 Carbazole	167	11.321	11.317	0.004	20000	0.1031	

Report Date: 28-Sep-2009 07:16:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.561	11.562	-0.001	36373	0.1203	
87 Fluoranthene	202	12.172	12.173	-0.001	21883	0.0992	
85 Pyrene	202	12.398	12.399	-0.001	22633	0.1091	
89 Butyl benzyl phthalate	149	13.071	13.072	-0.001	7616	0.0813	
91 3,3'-Dichlorobenzidine	252	13.947	13.948	-0.002	1881	0.1535	
92 Bis(2-ethylhexyl) phthalate	149	13.980	13.981	-0.001	10892	0.1418	
93 Benzo[a]anthracene	228	14.019	14.025	-0.006	14227	0.1012	
94 Chrysene	228	14.091	14.092	-0.001	13725	0.1028	
95 Di-n-octyl phthalate	149	15.370	15.376	-0.006	9319	0.5661	
97 Benzo[b]fluoranthene	252	15.981	15.982	-0.001	11786	0.0989	
98 Benzo[k]fluoranthene	252	16.014	16.020	-0.006	11317	0.1037	
99 Benzo[a]pyrene	252	16.447	16.448	-0.001	7521	0.1522	
100 Indeno[1,2,3-cd]pyrene	276	18.323	18.333	-0.011	5406	0.1411	
101 Dibenz(a,h)anthracene	278	18.356	18.367	-0.011	4346	0.1494	
102 Benzo[g,h,i]perylene	276	18.866	18.867	-0.001	6794	0.1203	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D

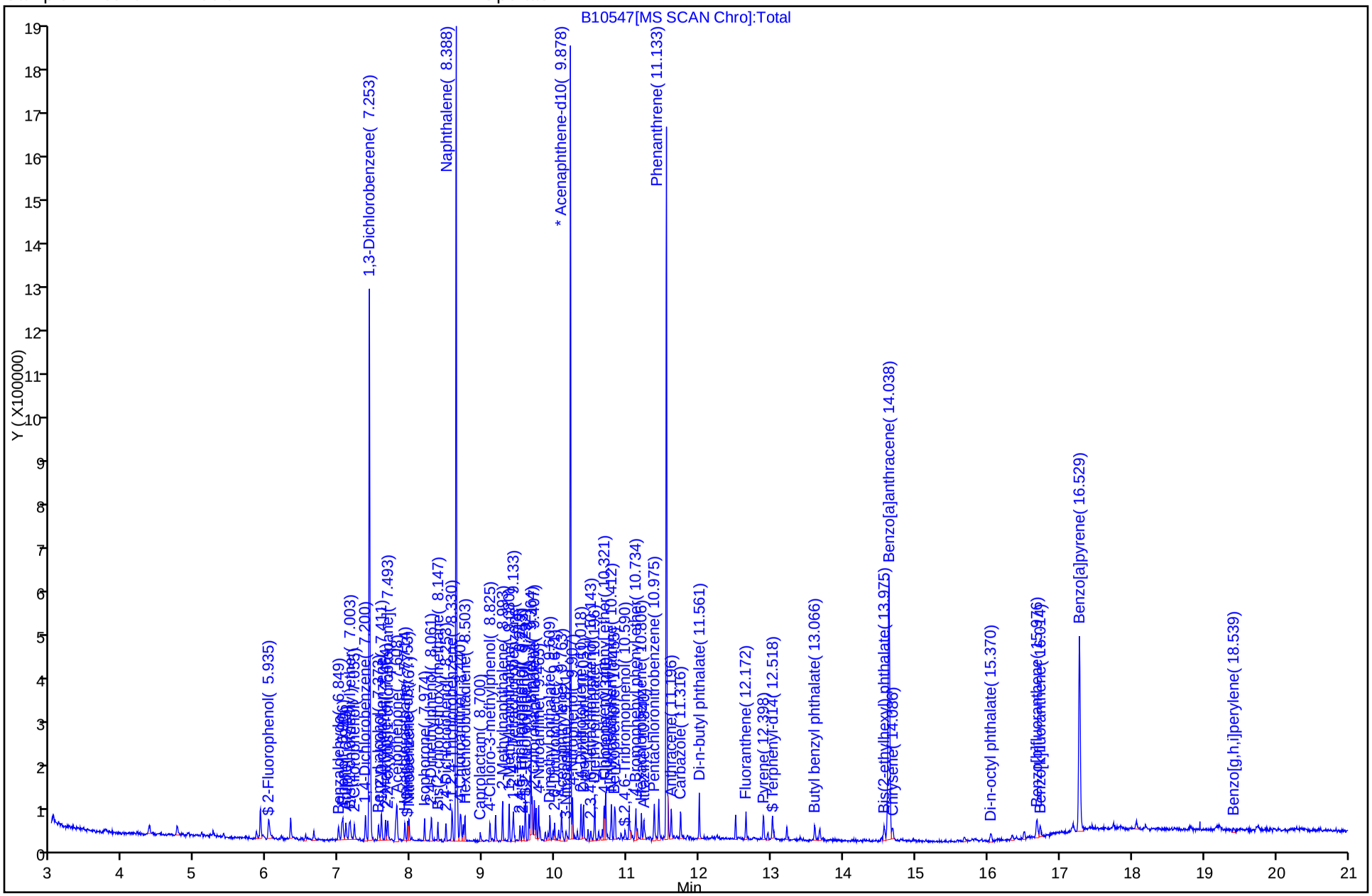
Inj Date: 25-Sep-2009 17:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



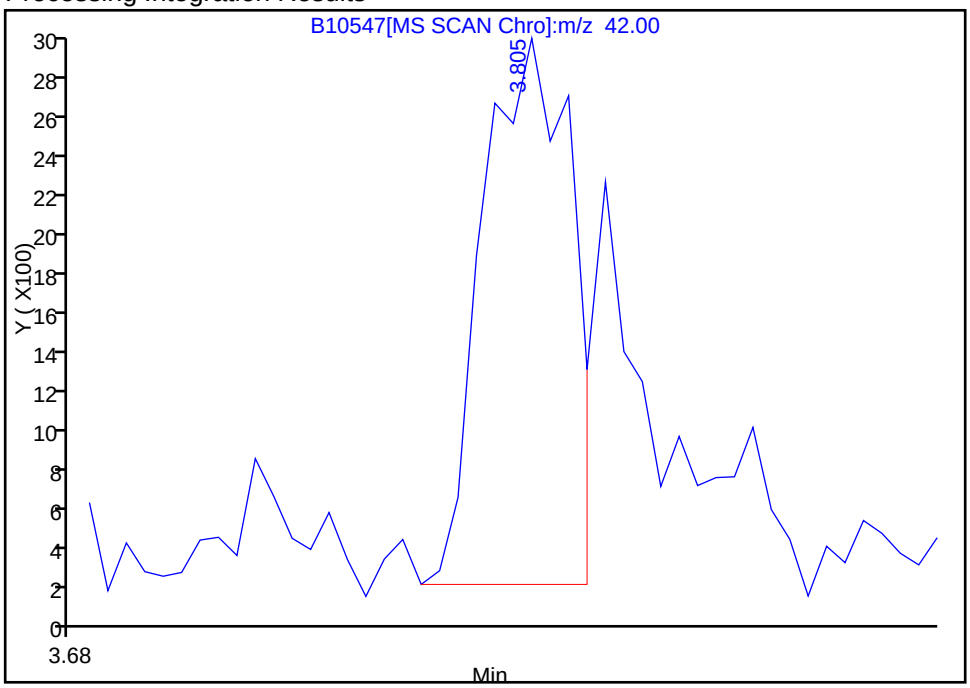
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

15 N-Nitrosodimethylamine, Number: 1, m/z: 42 Type: quant, RT: 3.81

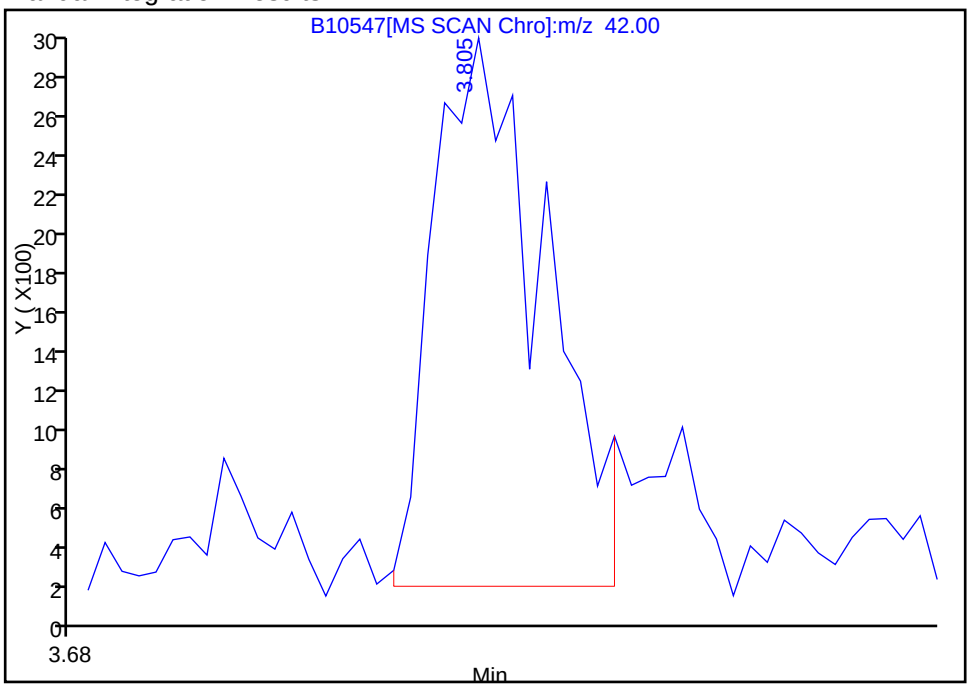
Processing Integration Results

RT: 3.80
Response: 4429
Amount: 0.093760



Manual Integration Results

RT: 3.80
Response: 6038
Amount: 0.110240



Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

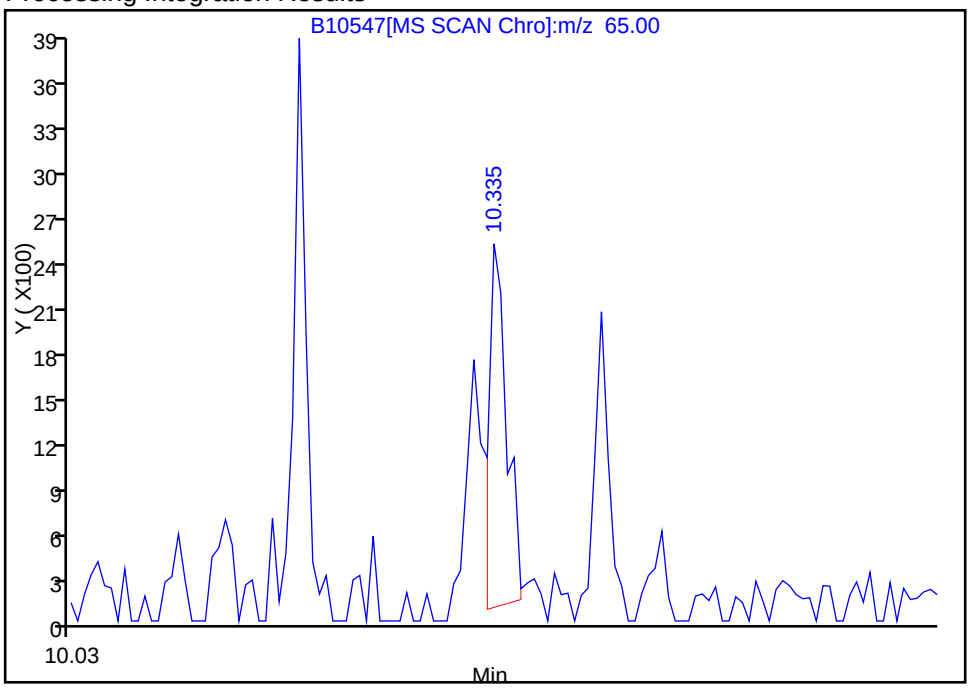
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.34

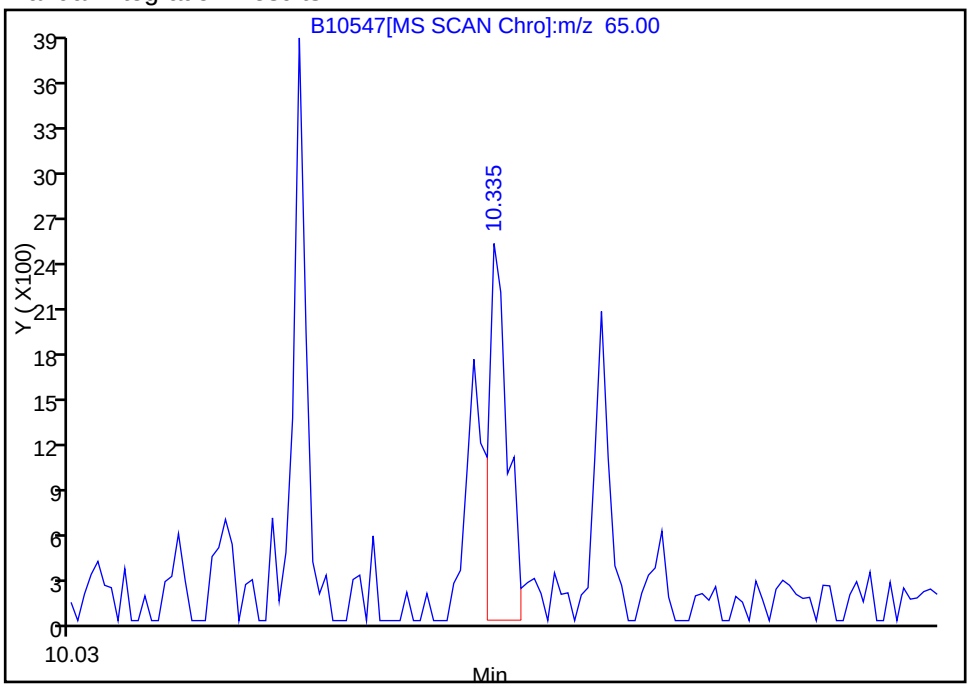
Processing Integration Results

RT: 10.34
Response: 2125
Amount: 0.100000



Manual Integration Results

RT: 10.34
Response: 2309
Amount: 0.112684



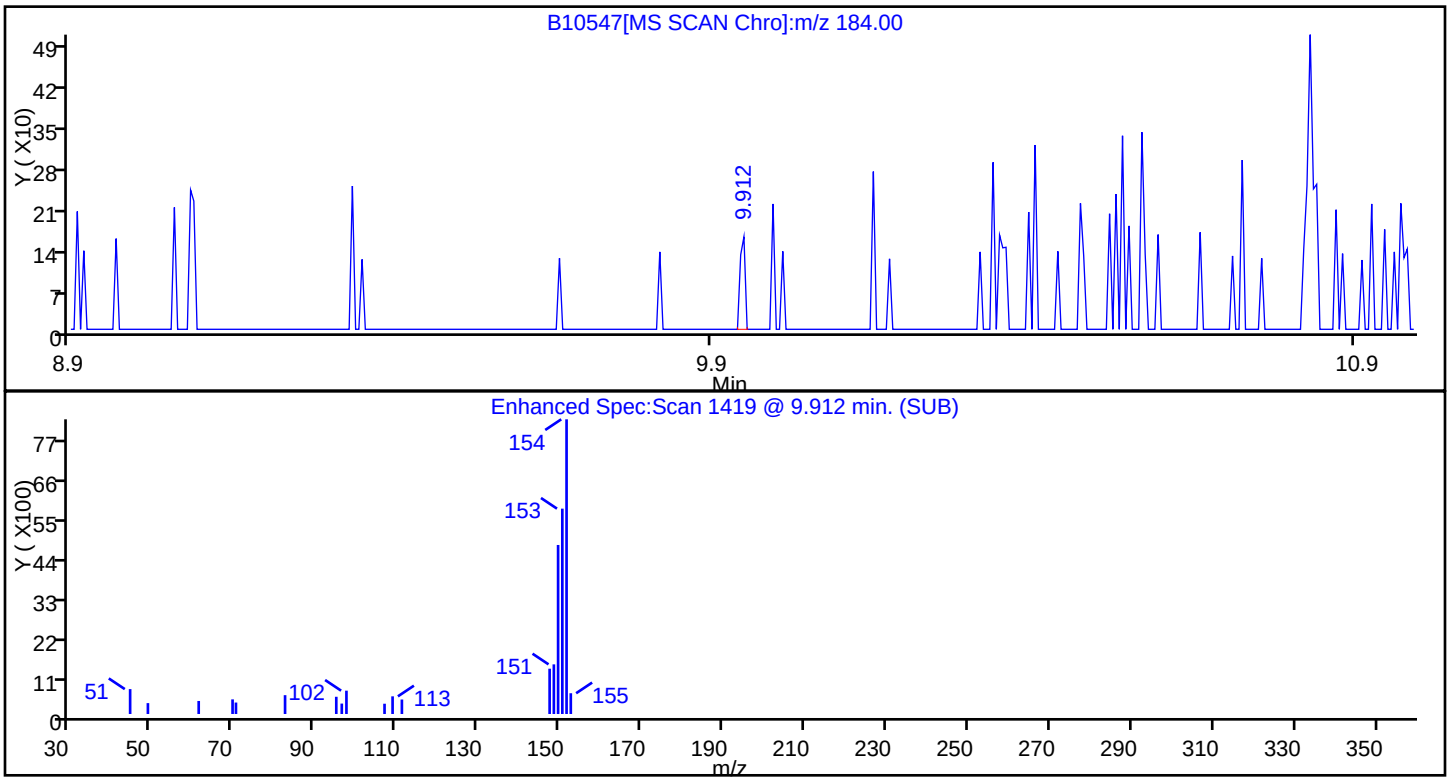
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.91	184.00	83	0.100000
9.91	63.00	1757	
9.91	154.00	16980	

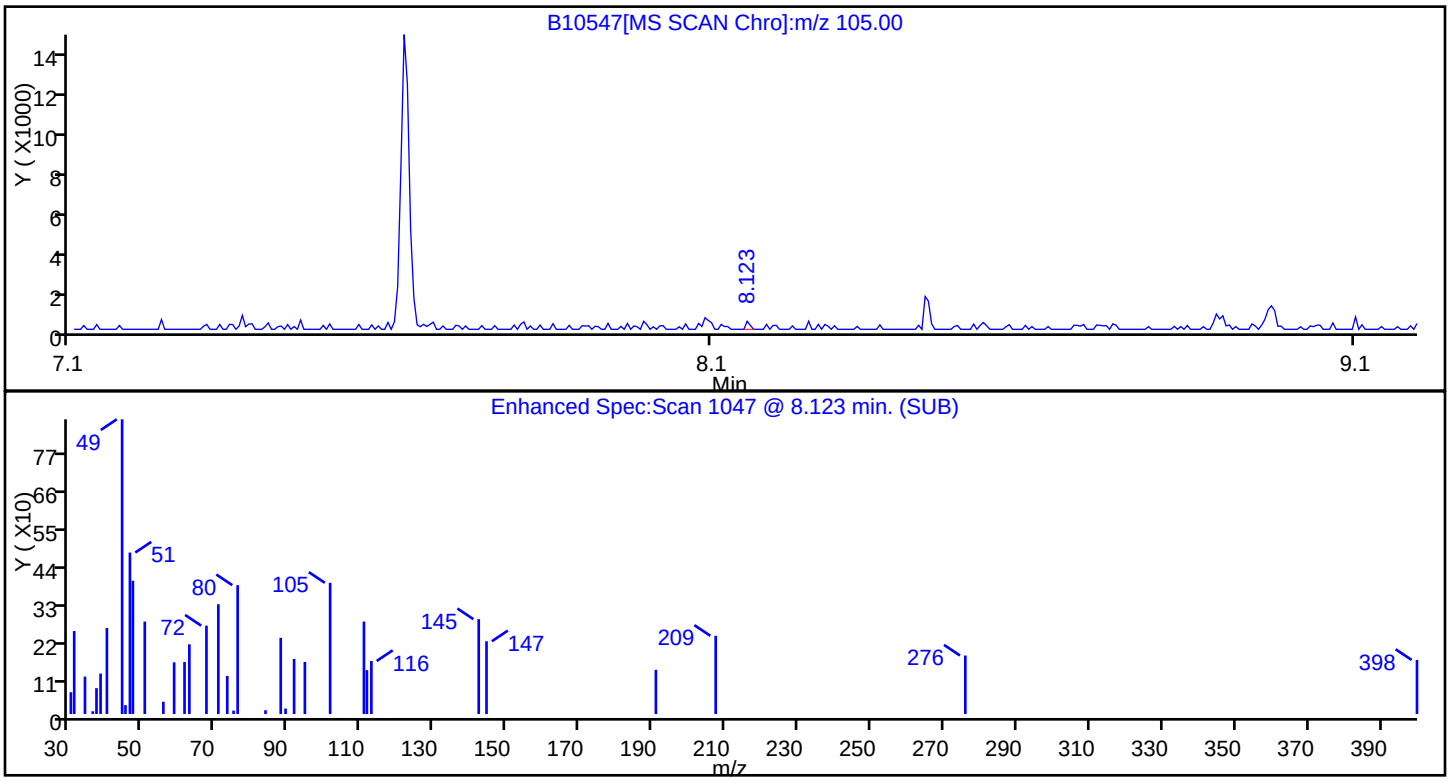
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.12	105.00	164	0.100000
8.13	122.00	195	
8.12	77.00	244	

Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

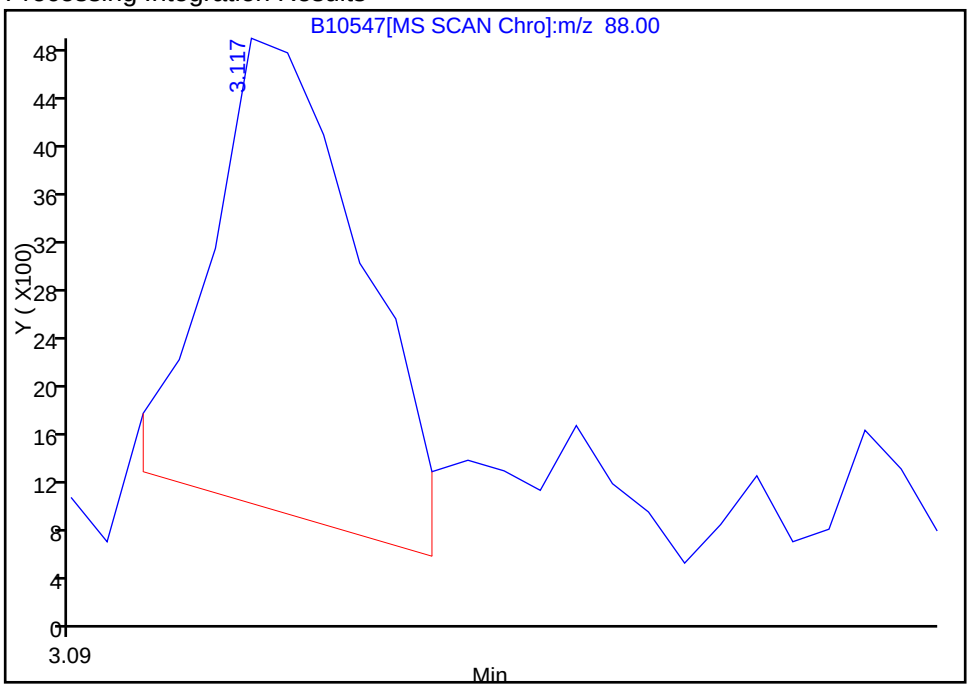
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane, Number: 1, m/z: 88 Type: quant, RT: 3.14

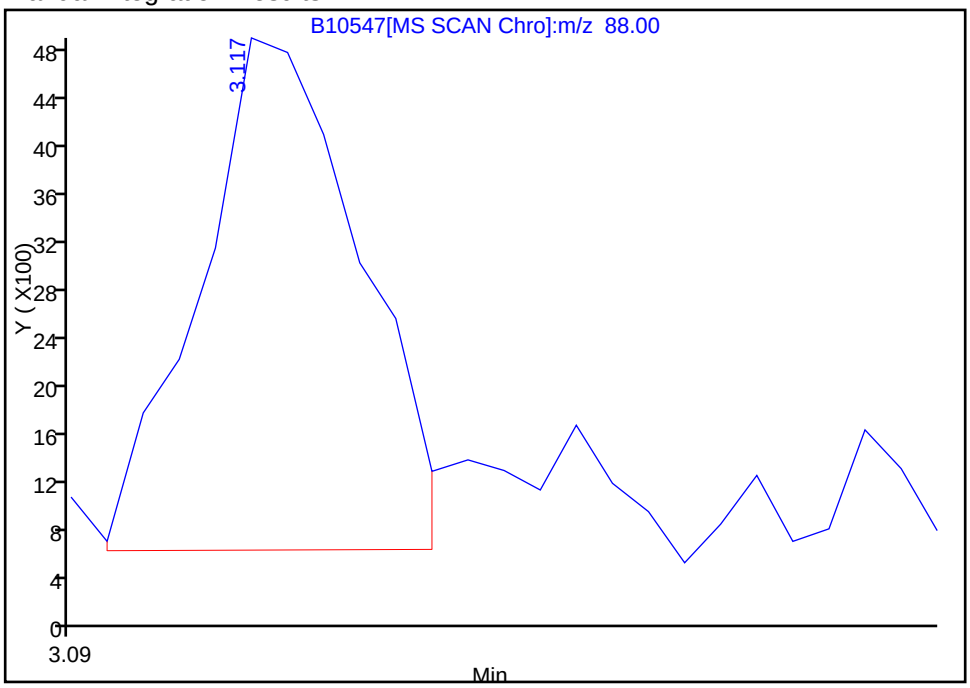
Processing Integration Results

RT: 3.12
Response: 5612
Amount: 0.100000



Manual Integration Results

RT: 3.12
Response: 6426
Amount: 0.059630



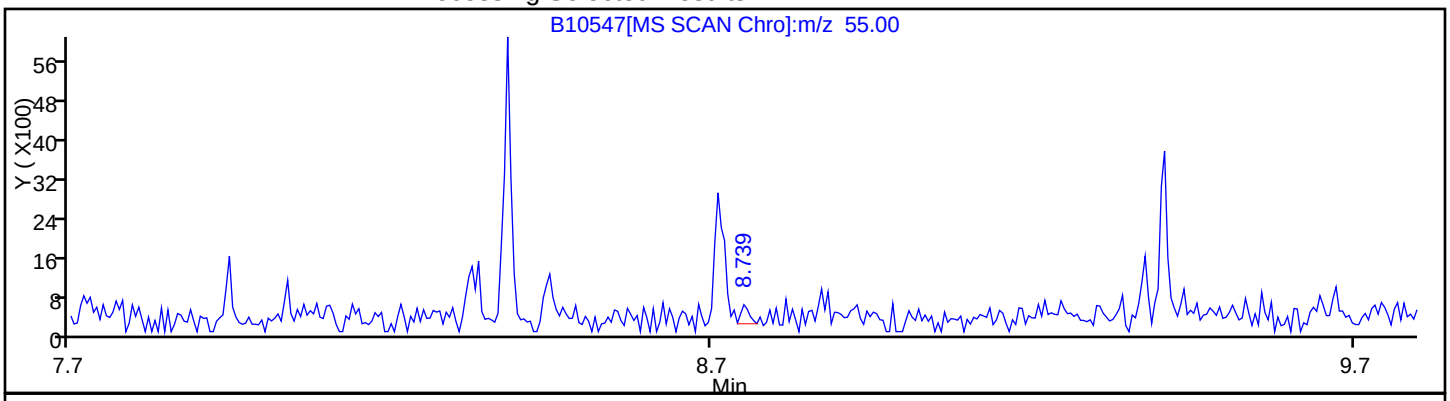
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

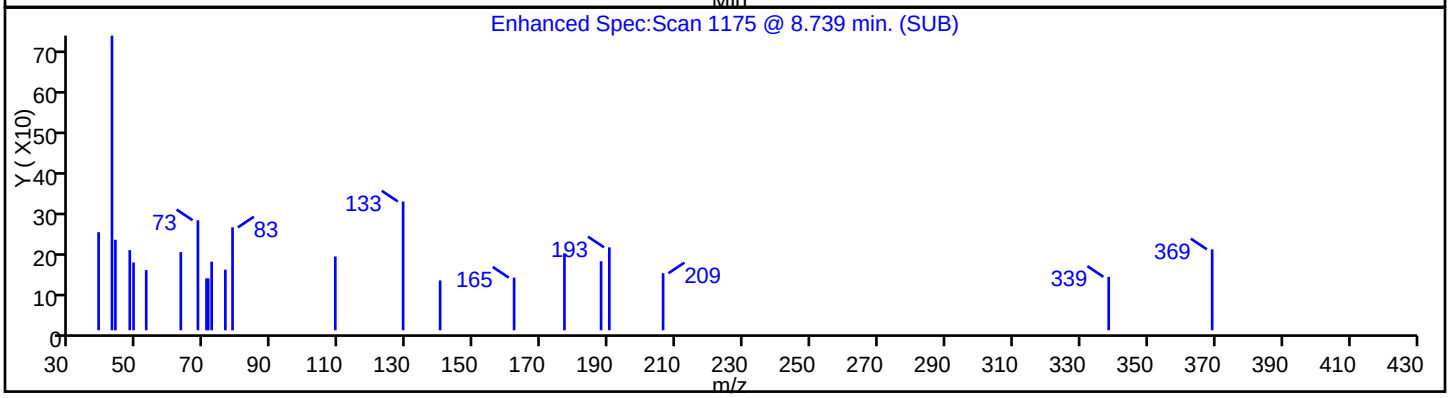
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

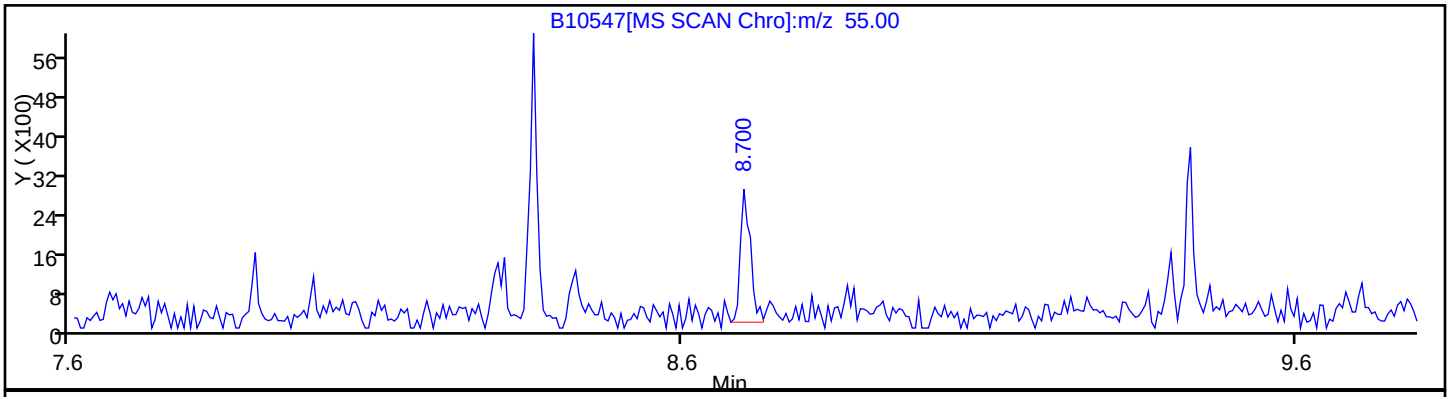
44 Caprolactam

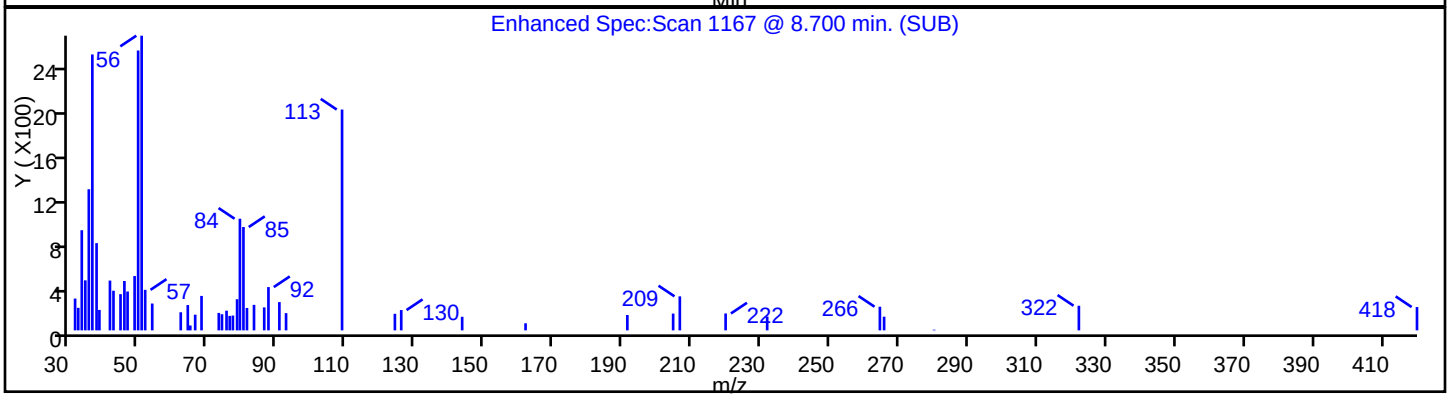
Processing Selected Results





Manual Selected Results





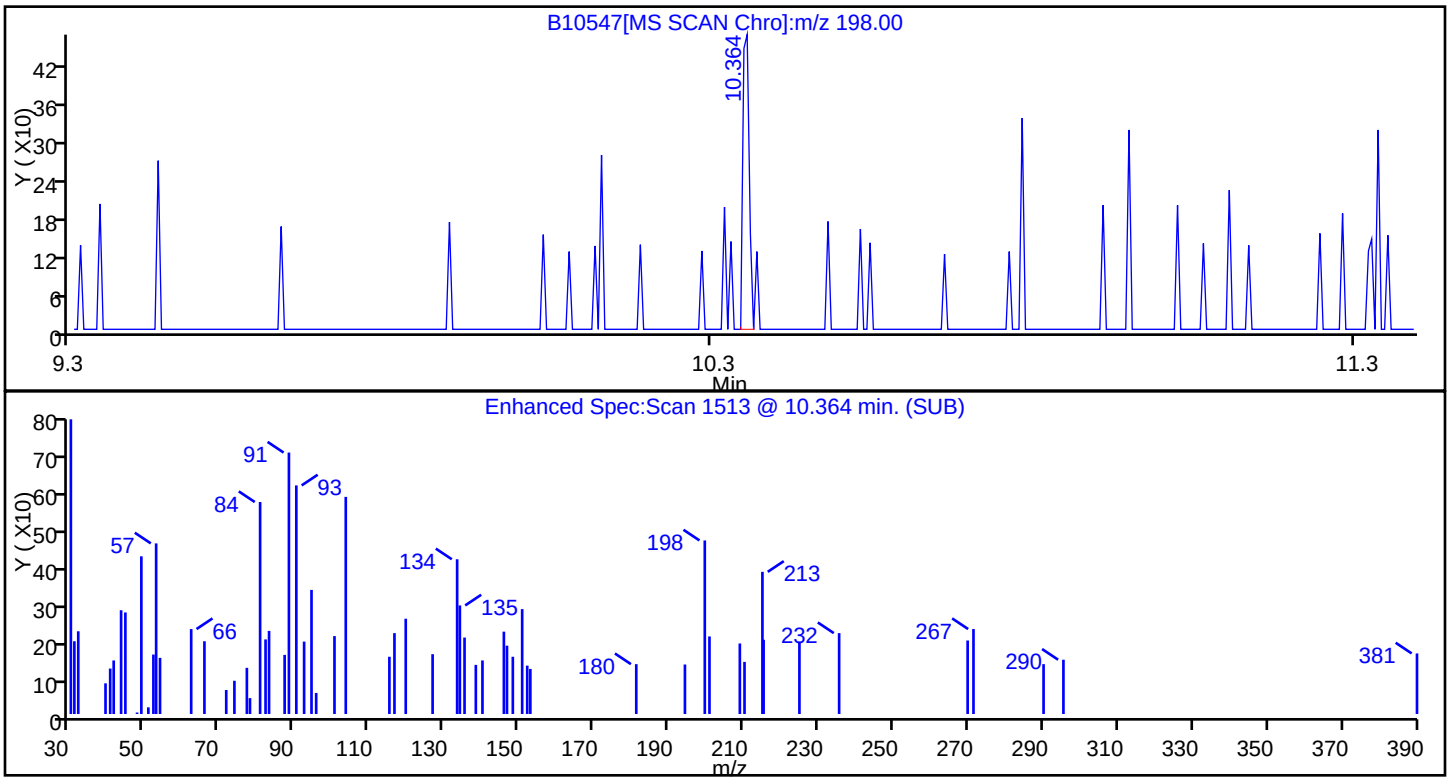
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.36	198.00	309	0.100000
10.36	121.00	275	
10.36	105.00	546	

Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Lims ID:	std025	Client ID:	
Inject. Date:	25-Sep-2009 18:18:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001300-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49509	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:02:56
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:08

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.252	7.254	-0.002	313943	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	750245	2.00	
* 3 Acenaphthene-d10	164	9.878	9.879	-0.001	350543	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	563236	2.00	
* 5 Chrysene-d12	240	14.038	14.044	-0.006	372992	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	257009	2.00	
$ 7 2-Fluorophenol	112	5.940	5.941	-0.001	19089	0.2337	
$ 8 Phenol-d5	99	6.892	6.898	-0.006	26270	0.2531	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	26720	0.2631	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	55735	0.2405	
$ 11 2,4,6-Tribromophenol	330	10.542	10.543	-0.001	2809	0.2297	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	36357	0.2519	
14 1,4-Dioxane	88	3.141	3.137	0.004	11641	0.2514	
15 N-Nitrosodimethylamine	42	3.814	3.806	0.008	16081	0.2664	
17 Benzaldehyde	105	6.848	6.850	-0.002	14651	0.2572	
18 Phenol	94	6.906	6.908	-0.002	28129	0.2587	
19 Aniline	93	6.945	6.946	-0.001	31585	0.2493	
20 Bis(2-chloroethyl)ether	93	7.002	7.004	-0.002	22940	0.2692	
21 2-Chlorophenol	128	7.055	7.057	-0.002	25041	0.2653	
22 1,4-Dichlorobenzene	146	7.200	7.201	-0.001	32160	0.2807	
23 1,3-Dichlorobenzene	146	7.267	7.268	-0.001	34144	0.2853	
24 Benzyl alcohol	79	7.373	7.374	-0.001	18262	0.2425	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	32073	0.2860	
26 2-Methylphenol	108	7.464	7.465	-0.001	21363	0.2608	
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	44885	0.2828	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.594	7.600	-0.006	21659	0.2512	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	15363	0.2380	
30 Acetophenone	105	7.613	7.614	-0.001	32421	0.2570	
31 Hexachloroethane	117	7.714	7.715	-0.001	10938	0.2596	
32 Nitrobenzene	77	7.772	7.773	-0.001	25198	0.2532	
33 Isophorone	82	7.974	7.975	-0.001	36250	0.2331	
34 2-Nitrophenol	139	8.051	8.052	-0.001	10065	0.2378	
35 2,4-Dimethylphenol	107	8.060	8.066	-0.006	23925	0.2723	
37 Bis(2-chloroethoxy)methane	93	8.147	8.148	-0.001	26235	0.2704	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	17854	0.2686	
39 1,2,4-Trichlorobenzene	180	8.330	8.331	-0.001	24329	0.1834	
40 Alpha-Terpineol	59	8.392	8.393	-0.001	20351	0.2636	
41 Naphthalene	128	8.407	8.408	-0.001	76156	0.2741	
42 4-Chloroaniline	127	8.435	8.442	-0.007	27285	0.2556	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	12481	0.2774	
44 Caprolactam	55	8.705	8.725	-0.020	6175	0.1886	
45 4-Chloro-3-methylphenol	107	8.830	8.831	-0.001	17112	0.2546	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	49730	0.2710	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	48506	0.2724	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	6966	0.2453	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.134	-0.001	19464	0.2677	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	10980	0.2295	
51 2,4,5-Trichlorophenol	196	9.253	9.254	-0.001	11076	0.2427	
52 1,1'-Biphenyl	154	9.378	9.379	-0.001	58181	0.2377	
53 2-Chloronaphthalene	162	9.407	9.413	-0.006	56757	0.2442	
54 Phenyl ether	170	9.464	9.466	-0.002	30975	0.2676	
68 4-Nitroaniline	138	9.479	9.485	-0.006	11372	0.2398	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	50709	0.2393	
57 2,6-Dinitrotoluene	165	9.671	9.677	-0.006	10227	0.2403	
58 Acenaphthylene	152	9.763	9.764	-0.001	69228	0.2355	
59 3-Nitroaniline	138	9.820	9.826	-0.006	8447	0.2354	
61 Acenaphthene	153	9.907	9.908	-0.001	48206	0.2366	
62 4-Nitrophenol	109	9.936	9.937	-0.001	2792	0.2232	
63 2,4-Dinitrotoluene	165	10.013	10.019	-0.006	10077	0.2391	
64 Dibenzofuran	168	10.051	10.052	-0.001	61866	0.2332	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.144	-0.001	6036	0.2347	
66 Diethyl phthalate	149	10.195	10.202	-0.007	50488	0.2271	
67 4-Chlorophenyl phenyl ether	204	10.320	10.322	-0.002	24377	0.2417	
69 Fluorene	166	10.340	10.341	-0.001	50101	0.2291	
55 2-Nitroaniline	65	10.335	10.341	-0.006	9424	0.2589	
70 4,6-Dinitro-2-methylphenol	198	10.359	10.360	-0.001	1677	0.7611	
71 Diphenylamine	169	10.412	10.418	-0.006	39851	0.2200	
72 N-Nitrosodiphenylamine	169	10.412	10.418	-0.006	39851	0.2200	
74 Azobenzene	77	10.455	10.456	-0.001	77592	0.2276	
73 1,2-Diphenylhydrazine	77	10.455	10.456	-0.001	77592	0.2276	
13 Benzophenone	105	10.465	10.466	-0.001	43178	0.2164	
75 4-Bromophenyl phenyl ether	248	10.734	10.735	-0.001	12189	0.2418	
76 Hexachlorobenzene	284	10.806	10.807	-0.001	11244	0.2338	
77 Atrazine	200	10.840	10.841	-0.001	10941	0.2193	
79 Pentachloronitrobenzene	237	10.974	10.976	-0.002	4064	0.2391	
80 Phenanthrene	178	11.152	11.154	-0.002	70071	0.2469	
81 Anthracene	178	11.196	11.197	-0.001	62301	0.2335	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.316	11.317	-0.001	54016	0.2418	
84 Di-n-butyl phthalate	149	11.561	11.562	-0.001	84232	0.2420	
87 Fluoranthene	202	12.172	12.173	-0.001	58000	0.2283	
85 Pyrene	202	12.403	12.399	0.004	60232	0.2468	
89 Butyl benzyl phthalate	149	13.071	13.072	-0.001	21576	0.1957	
91 3,3'-Dichlorobenzidine	252	13.941	13.948	-0.007	5693	0.2222	
92 Bis(2-ethylhexyl) phthalate	149	13.980	13.981	-0.001	25737	0.2155	
93 Benzo[a]anthracene	228	14.023	14.025	-0.002	39239	0.2372	
94 Chrysene	228	14.091	14.092	-0.001	37296	0.2374	
95 Di-n-octyl phthalate	149	15.374	15.376	-0.002	25285	0.6121	
97 Benzo[b]fluoranthene	252	15.980	15.982	-0.002	32115	0.2181	
98 Benzo[k]fluoranthene	252	16.014	16.020	-0.006	28292	0.2098	
99 Benzo[a]pyrene	252	16.447	16.448	-0.001	18819	0.2311	
100 Indeno[1,2,3-cd]pyrene	276	18.327	18.333	-0.006	14343	0.2309	
101 Dibenz(a,h)anthracene	278	18.366	18.367	-0.001	11574	0.2400	
102 Benzo[g,h,i]perylene	276	18.856	18.867	-0.011	14200	0.2035	

Report Date: 28-Sep-2009 07:16:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D

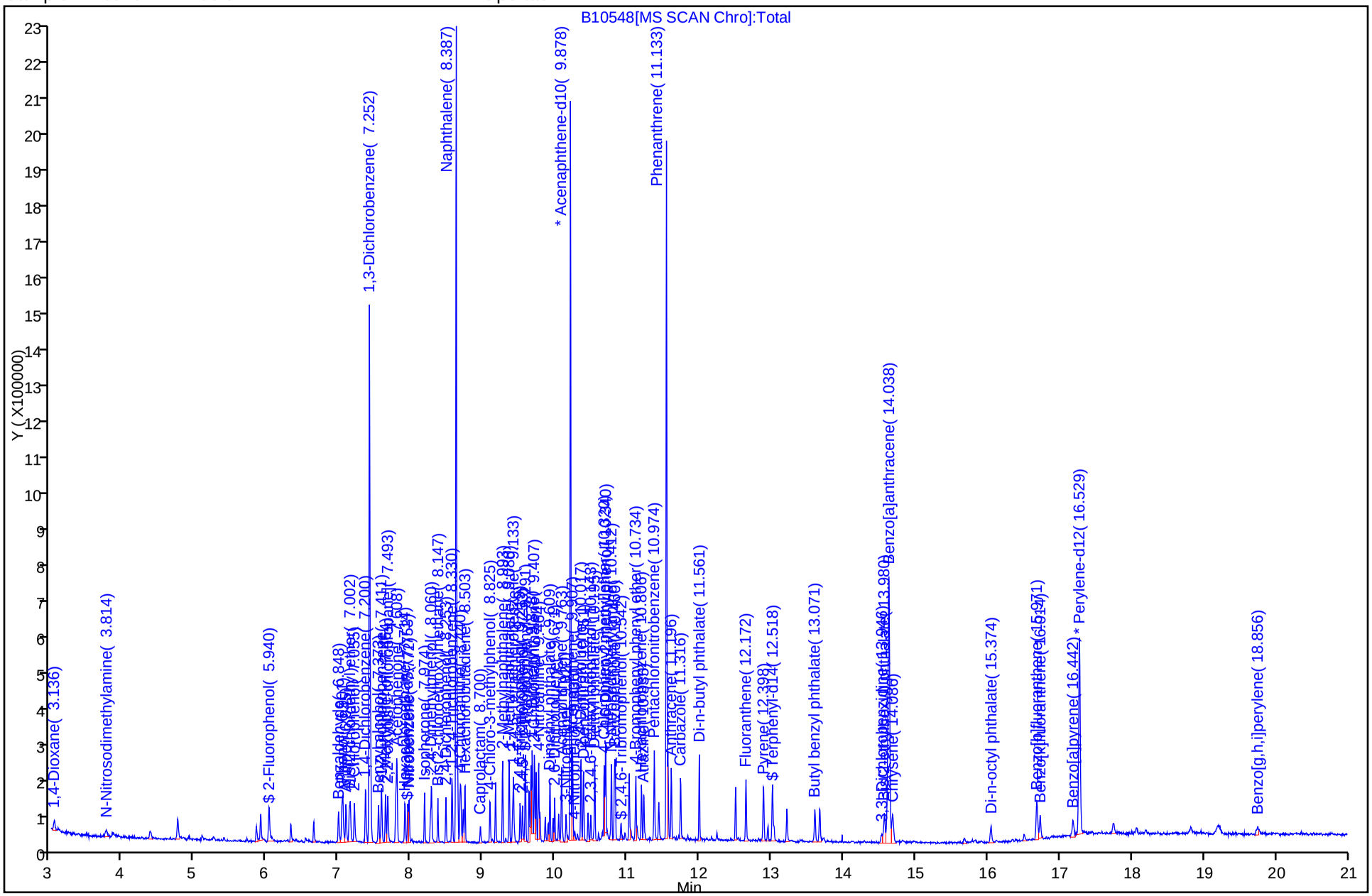
Inj Date: 25-Sep-2009 18:18:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

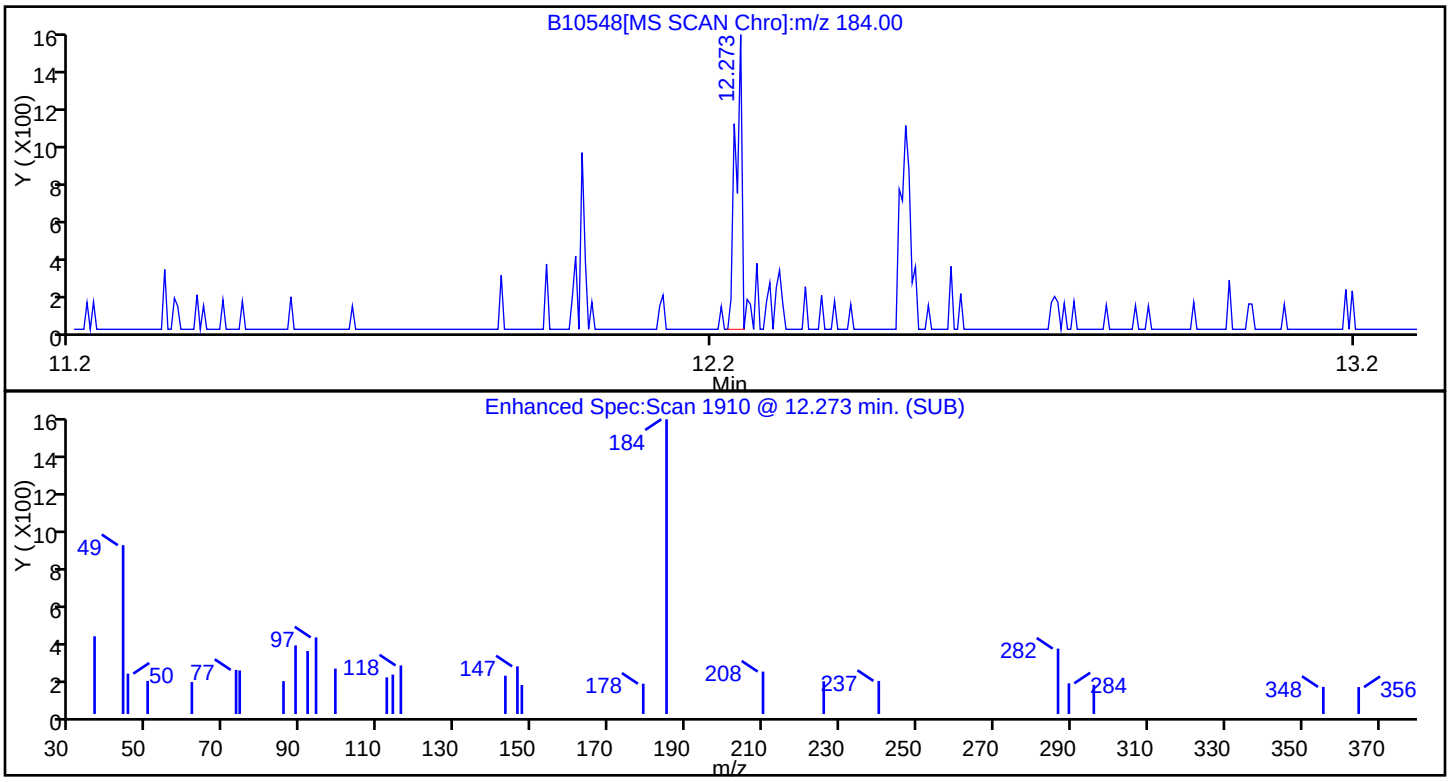


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.27	184.00	1029	0.250000
12.27	92.00	204	
12.27	156.00	99	

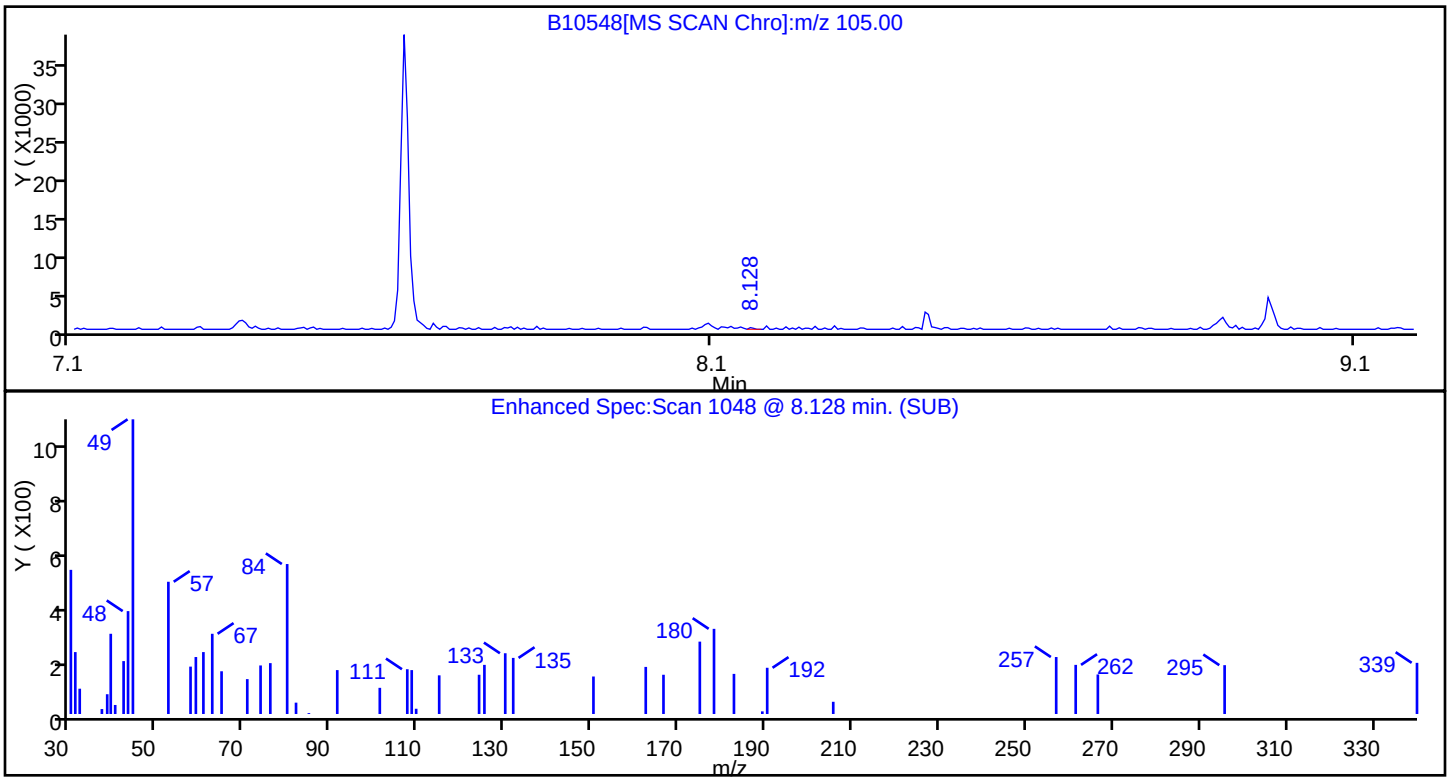
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.13	105.00	101	0.250000
8.13	122.00	90	
8.12	77.00	93	

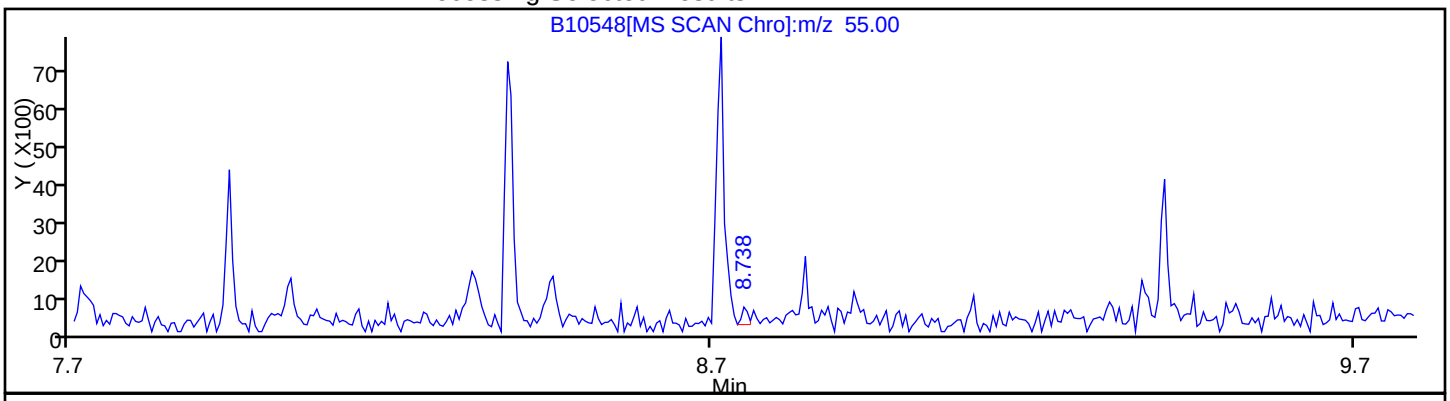
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

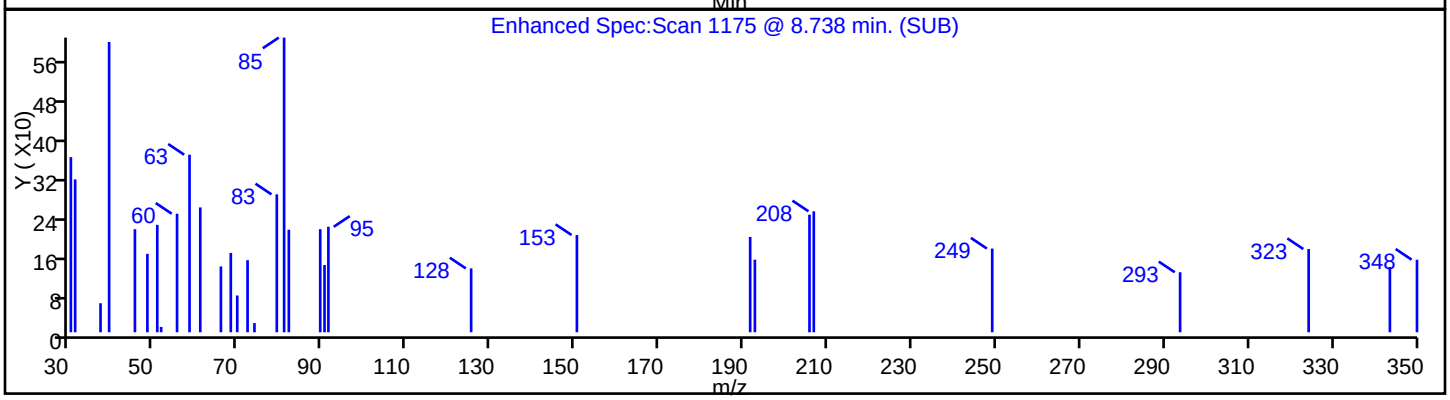
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

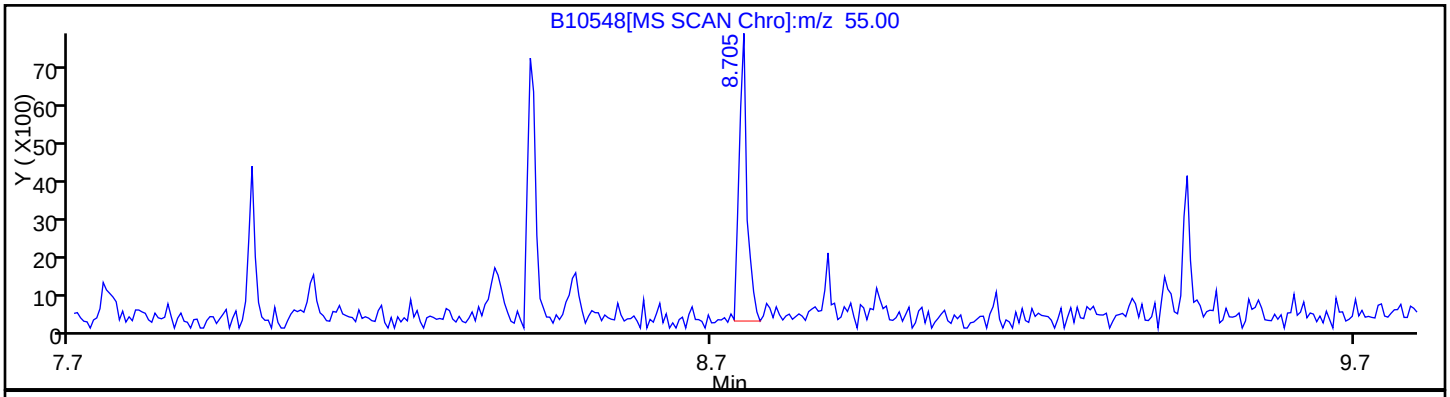
44 Caprolactam

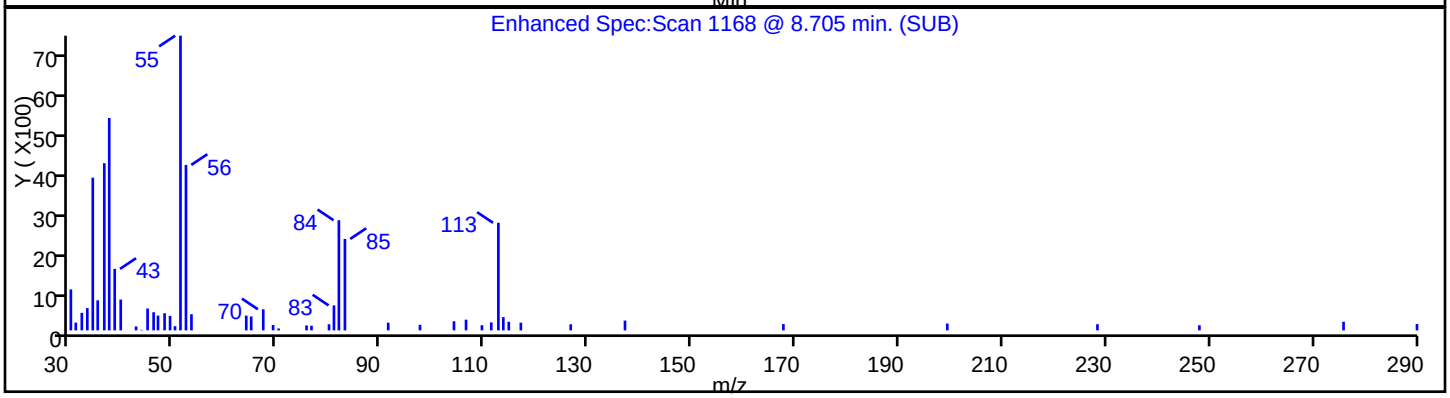
Processing Selected Results





Manual Selected Results





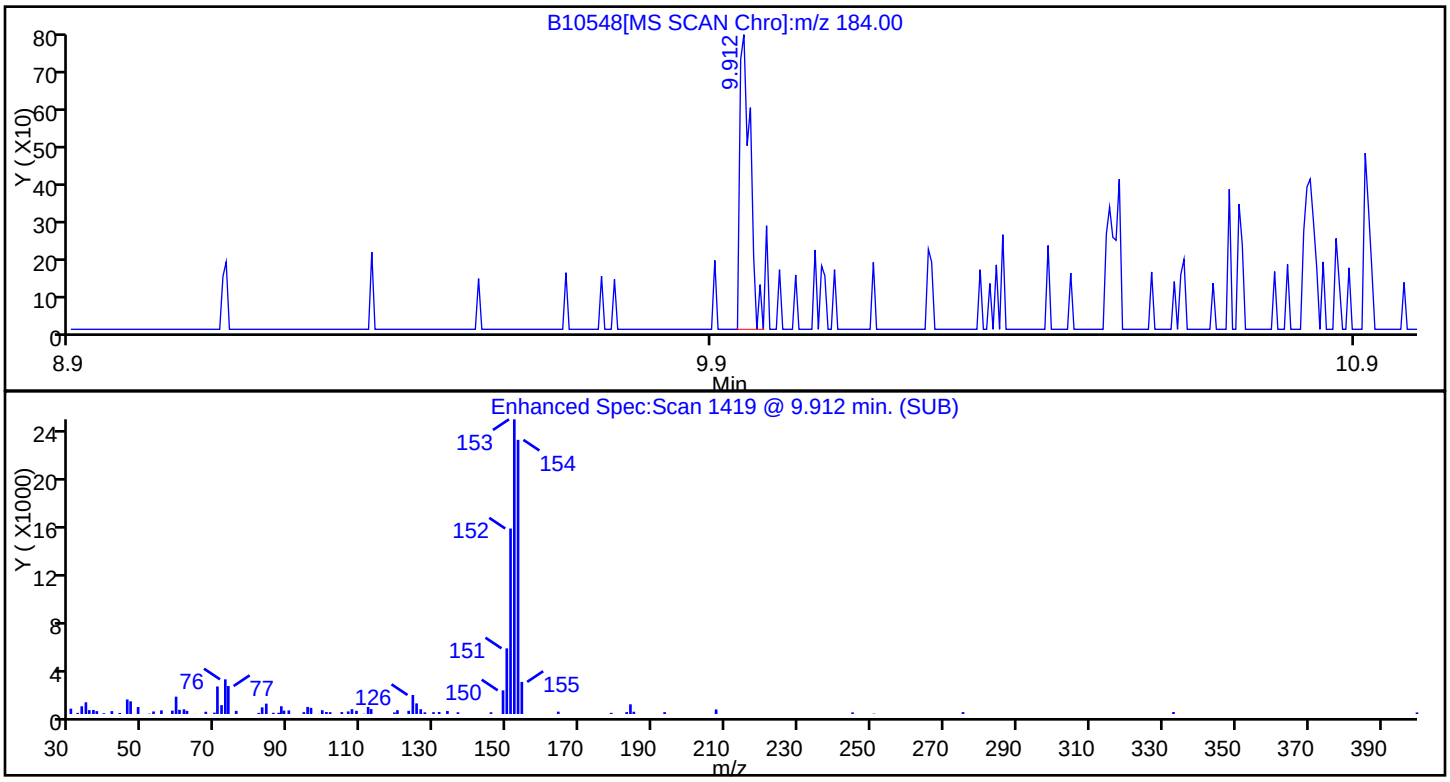
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.91	184.00	843	0.250000
9.91	63.00	5110	
9.91	154.00	44024	

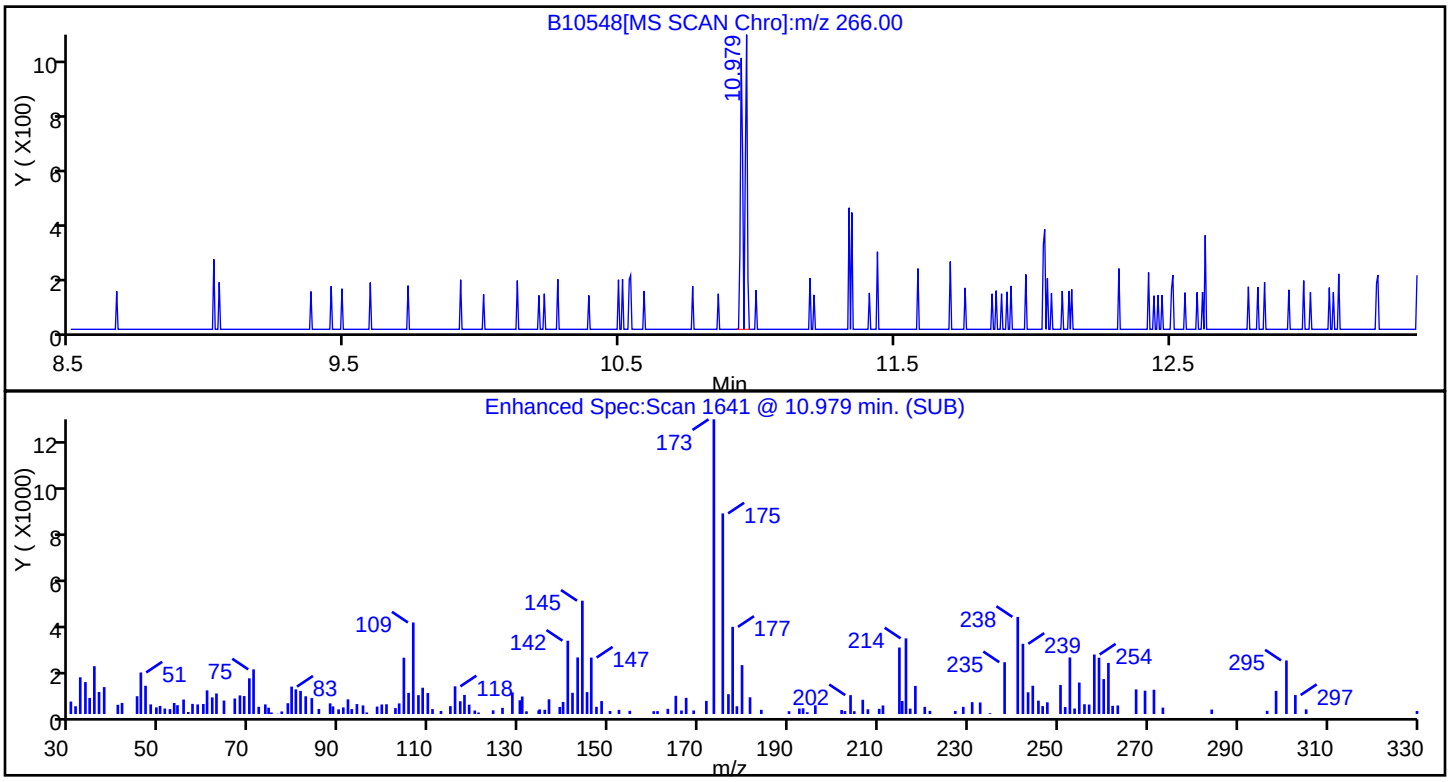
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.98	266.00	1058	0.084469
10.99	264.00	52	
10.97	268.00	617	

Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Lims ID:	std05	Client ID:	
Inject. Date:	25-Sep-2009 18:46:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Misc. Info.:	360-0001300-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49509	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:04:04
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:17

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.256	7.254	0.002	333404	2.00	
* 2 Naphthalene-d8	136	8.386	8.389	-0.003	783203	2.00	
* 3 Acenaphthene-d10	164	9.881	9.879	0.002	359755	2.00	
* 4 Phenanthrene-d10	188	11.132	11.134	-0.002	567194	2.00	
* 5 Chrysene-d12	240	14.041	14.044	-0.003	375243	2.00	
* 6 Perylene-d12	264	16.527	16.530	-0.003	263050	2.00	
$ 7 2-Fluorophenol	112	5.943	5.941	0.002	41118	0.4739	
$ 8 Phenol-d5	99	6.895	6.898	-0.003	55603	0.5045	
$ 9 Nitrobenzene-d5	82	7.756	7.754	0.002	55673	0.5252	
$ 10 2-Fluorobiphenyl	172	9.290	9.293	-0.003	115075	0.4838	
$ 11 2,4,6-Tribromophenol	330	10.540	10.543	-0.003	7544	0.4442	
$ 12 Terphenyl-d14	244	12.516	12.519	-0.003	73238	0.5043	
14 1,4-Dioxane	88	3.139	3.137	0.002	21704	0.6214	
15 N-Nitrosodimethylamine	42	3.808	3.806	0.002	34091	0.5319	
16 Pyridine	79	3.861	3.820	0.041	31169	0.4222	
17 Benzaldehyde	105	6.847	6.850	-0.003	31082	0.5138	
18 Phenol	94	6.905	6.908	-0.003	57438	0.4975	
19 Aniline	93	6.948	6.946	0.002	69150	0.5140	
20 Bis(2-chloroethyl)ether	93	7.006	7.004	0.002	46600	0.5149	
21 2-Chlorophenol	128	7.059	7.057	0.001	53815	0.5368	
22 1,4-Dichlorobenzene	146	7.203	7.201	0.002	64851	0.5330	
23 1,3-Dichlorobenzene	146	7.270	7.268	0.002	66649	0.5244	
24 Benzyl alcohol	79	7.371	7.374	-0.003	38290	0.4787	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	64786	0.5440	
26 2-Methylphenol	108	7.462	7.465	-0.003	44043	0.5063	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.491	7.494	-0.003	91885	0.5452	
28 3 & 4 Methylphenol	108	7.597	7.600	-0.003	45399	0.4958	
29 N-Nitrosodi-n-propylamine	70	7.607	7.610	-0.003	32475	0.4737	
30 Acetophenone	105	7.616	7.614	0.002	67045	0.5004	
31 Hexachloroethane	117	7.717	7.715	0.002	23124	0.5168	
32 Nitrobenzene	77	7.770	7.773	-0.003	56841	0.5471	
33 Isophorone	82	7.972	7.975	-0.003	83486	0.5142	
34 2-Nitrophenol	139	8.054	8.052	0.002	23698	0.5362	
35 2,4-Dimethylphenol	107	8.064	8.066	-0.002	49091	0.5352	
36 Benzoic acid	105	8.092	8.119	-0.027	1972	0.2169	M
37 Bis(2-chloroethoxy)methane	93	8.145	8.148	-0.003	53857	0.5317	
38 2,4-Dichlorophenol	162	8.251	8.254	-0.003	35904	0.5174	
39 1,2,4-Trichlorobenzene	180	8.333	8.331	0.002	52208	0.4884	
40 Alpha-Terpineol	59	8.391	8.393	-0.002	42541	0.5278	
41 Naphthalene	128	8.405	8.408	-0.003	154513	0.5327	
42 4-Chloroaniline	127	8.439	8.442	-0.003	60566	0.5434	
43 Hexachlorobutadiene	225	8.501	8.504	-0.003	26923	0.5732	
44 Caprolactam	55	8.703	8.725	-0.022	15468	0.4525	
45 4-Chloro-3-methylphenol	107	8.828	8.831	-0.003	38229	0.5448	
46 2-Methylnaphthalene	142	8.992	8.995	-0.003	103765	0.5416	
47 1-Methylnaphthalene	142	9.078	9.081	-0.003	101201	0.5444	
48 Hexachlorocyclopentadiene	237	9.121	9.124	-0.003	15118	0.4296	
49 1,2,4,5-Tetrachlorobenzene	216	9.136	9.134	0.002	41222	0.5430	
50 2,4,6-Trichlorophenol	196	9.222	9.225	-0.003	23205	0.4336	
51 2,4,5-Trichlorophenol	196	9.251	9.254	-0.003	24996	0.4491	
52 1,1'-Biphenyl	154	9.381	9.379	0.002	118165	0.4705	
53 2-Chloronaphthalene	162	9.410	9.413	-0.003	113092	0.4741	
54 Phenyl ether	170	9.463	9.466	-0.003	66182	0.5478	
68 4-Nitroaniline	138	9.482	9.485	-0.003	25561	0.4278	
56 Dimethyl phthalate	163	9.612	9.615	-0.003	104906	0.4824	
57 2,6-Dinitrotoluene	165	9.674	9.677	-0.003	22643	0.4706	
58 Acenaphthylene	152	9.761	9.764	-0.003	144386	0.4786	
59 3-Nitroaniline	138	9.824	9.826	-0.002	18945	0.4269	
61 Acenaphthene	153	9.905	9.908	-0.003	98573	0.4714	
60 2,4-Dinitrophenol	184	9.915	9.913	0.002	1786	0.8410	
62 4-Nitrophenol	109	9.934	9.937	-0.003	8017	0.3768	
63 2,4-Dinitrotoluene	165	10.016	10.019	-0.003	23815	0.4200	
64 Dibenzofuran	168	10.050	10.052	-0.002	131124	0.4816	
65 2,3,4,6-Tetrachlorophenol	232	10.146	10.144	0.002	15368	0.4280	
66 Diethyl phthalate	149	10.199	10.202	-0.003	108581	0.4760	
67 4-Chlorophenyl phenyl ether	204	10.319	10.322	-0.003	48192	0.4655	
69 Fluorene	166	10.338	10.341	-0.003	104883	0.4673	
55 2-Nitroaniline	65	10.333	10.341	-0.008	19563	0.4652	
70 4,6-Dinitro-2-methylphenol	198	10.362	10.360	0.002	5051	0.8602	
71 Diphenylamine	169	10.415	10.418	-0.003	86549	0.4745	
72 N-Nitrosodiphenylamine	169	10.415	10.418	-0.003	86549	0.4745	
74 Azobenzene	77	10.454	10.456	-0.002	164656	0.4797	
73 1,2-Diphenylhydrazine	77	10.454	10.456	-0.002	164656	0.4797	
13 Benzophenone	105	10.463	10.466	-0.003	91800	0.4568	
75 4-Bromophenyl phenyl ether	248	10.732	10.735	-0.003	24626	0.4851	
76 Hexachlorobenzene	284	10.809	10.807	0.002	22961	0.4741	
77 Atrazine	200	10.838	10.841	-0.003	22905	0.4559	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.963	10.970	-0.007	3406	0.7897	
79 Pentachloronitrobenzene	237	10.978	10.976	0.002	10035	0.4570	
80 Phenanthrene	178	11.151	11.154	-0.003	138870	0.4860	
81 Anthracene	178	11.199	11.197	0.002	127083	0.4729	
83 Carbazole	167	11.319	11.317	0.002	112006	0.4978	
84 Di-n-butyl phthalate	149	11.560	11.562	-0.002	165448	0.4720	
87 Fluoranthene	202	12.170	12.173	-0.003	120448	0.4708	
86 Benzidine	184	12.271	12.278	-0.007	4333	0.7956	
85 Pyrene	202	12.401	12.399	0.002	123842	0.5044	
89 Butyl benzyl phthalate	149	13.074	13.072	0.002	48307	0.4356	
91 3,3'-Dichlorobenzidine	252	13.950	13.948	0.002	15044	0.4049	
92 Bis(2-ethylhexyl) phthalate	149	13.983	13.981	0.002	62726	0.4242	
93 Benzo[a]anthracene	228	14.022	14.025	-0.003	80136	0.4814	
94 Chrysene	228	14.089	14.092	-0.003	77026	0.4874	
95 Di-n-octyl phthalate	149	15.373	15.376	-0.003	60848	0.7264	
97 Benzo[b]fluoranthene	252	15.974	15.982	-0.008	70413	0.4672	
98 Benzo[k]fluoranthene	252	16.012	16.020	-0.008	61589	0.4462	
99 Benzo[a]pyrene	252	16.445	16.448	-0.003	41894	0.4142	
100 Indeno[1,2,3-cd]pyrene	276	18.330	18.333	-0.003	29719	0.4030	
101 Dibenz(a,h)anthracene	278	18.364	18.367	-0.003	22493	0.3918	
102 Benzo[g,h,i]perylene	276	18.864	18.867	-0.003	30834	0.4316	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D

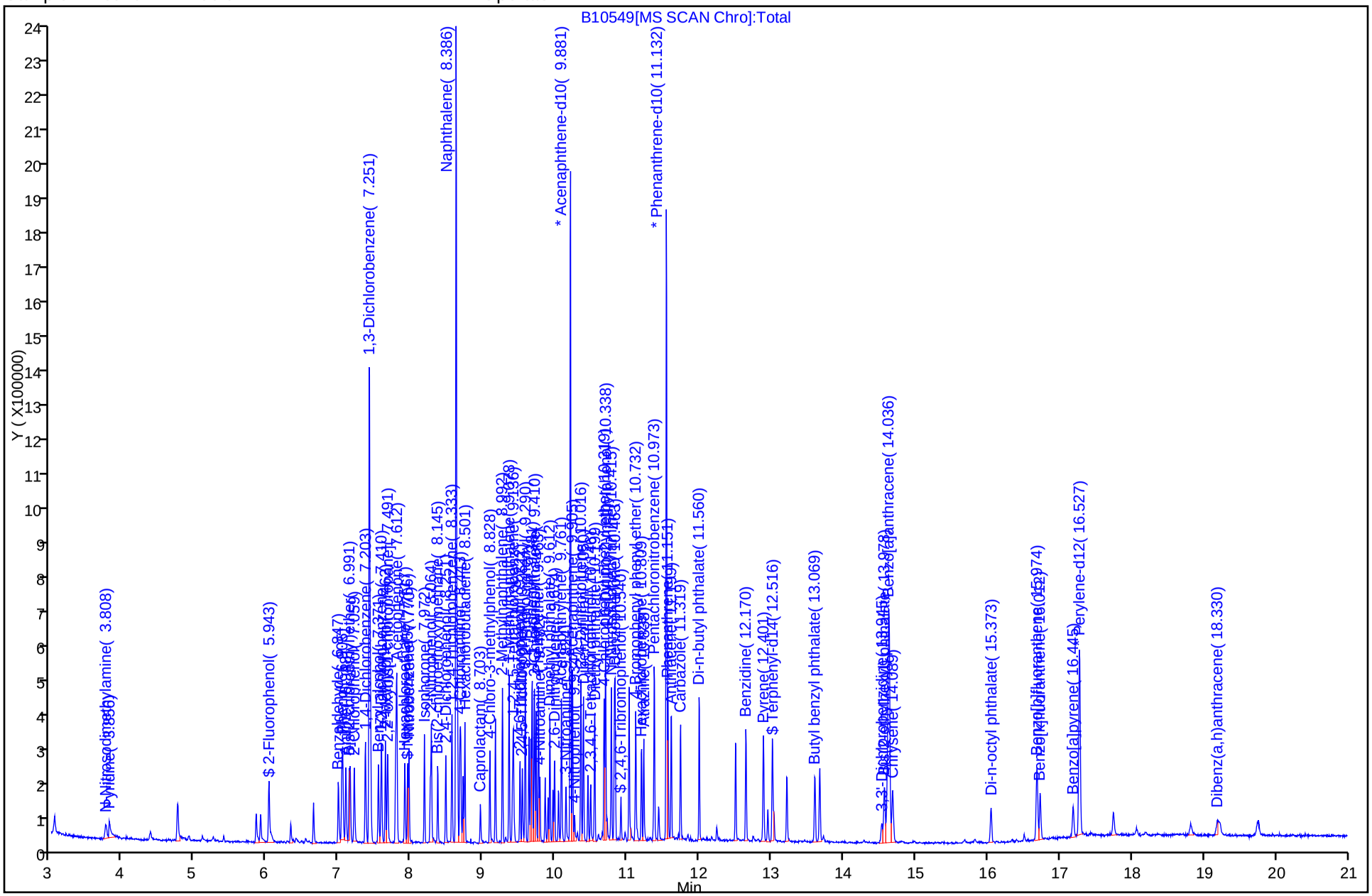
Inj Date: 25-Sep-2009 18:46:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ



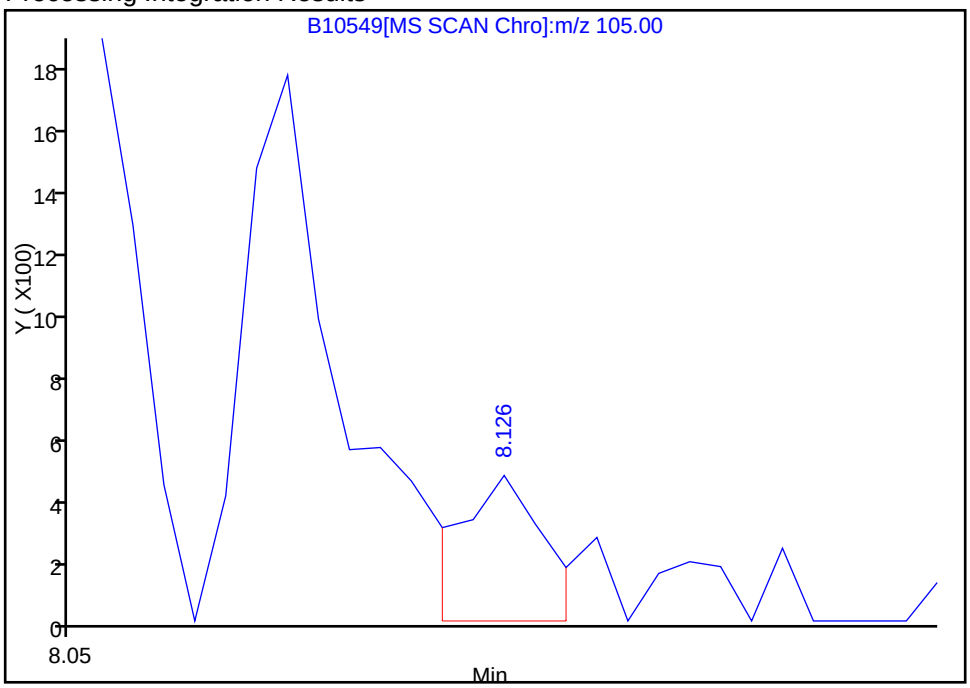
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Inj Date:	25-Sep-2009 18:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.12

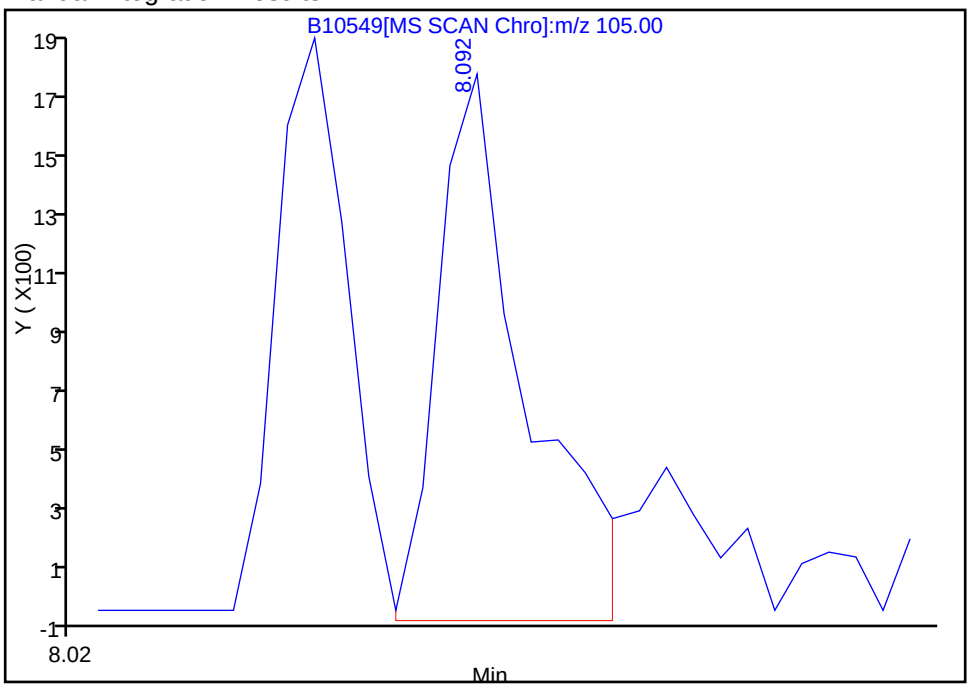
Processing Integration Results

RT: 8.13
Response: 461
Amount: 0.500000



Manual Integration Results

RT: 8.09
Response: 1972
Amount: 0.216893



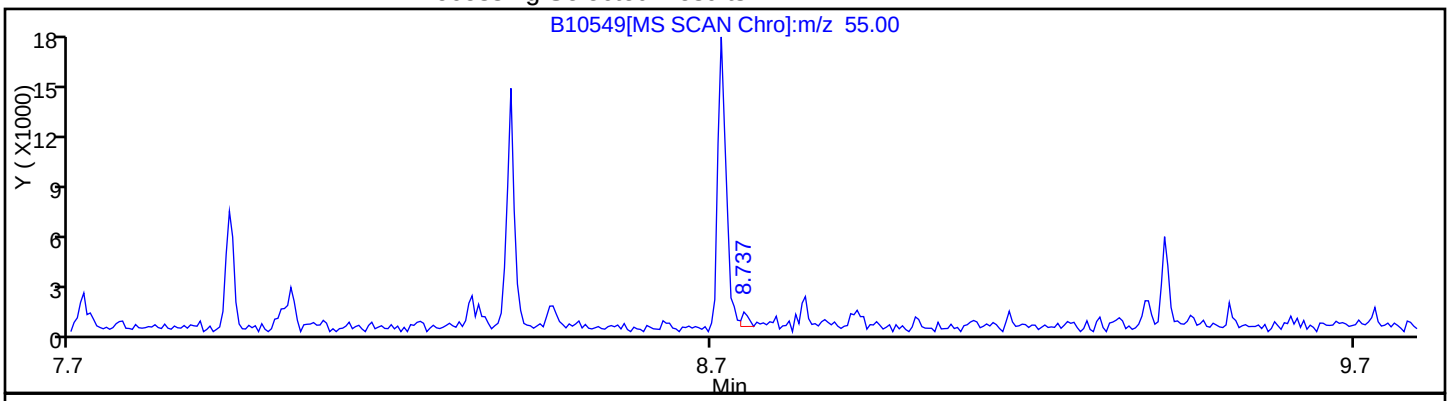
Reviewer: sullivanp, 26-Sep-2009 17:04:04
Audit Action: Manually Integrated
Audit Reason: Assign Peak

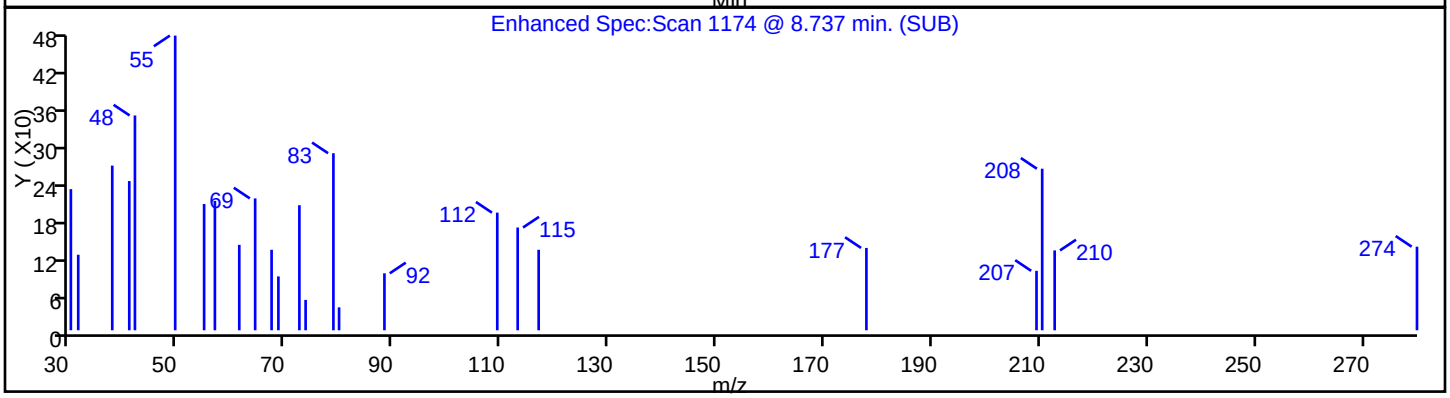
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Inj Date:	25-Sep-2009 18:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

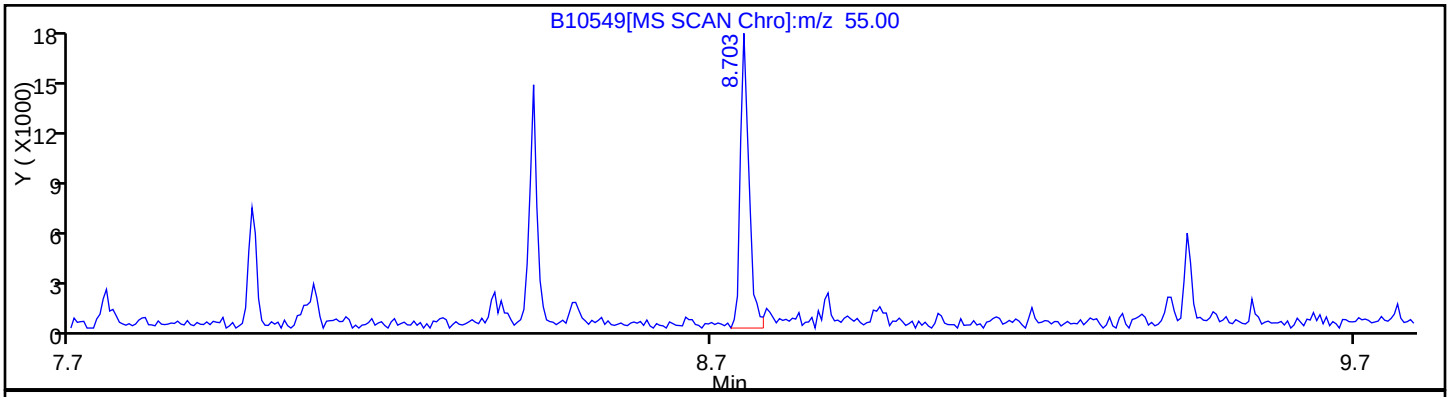
44 Caprolactam

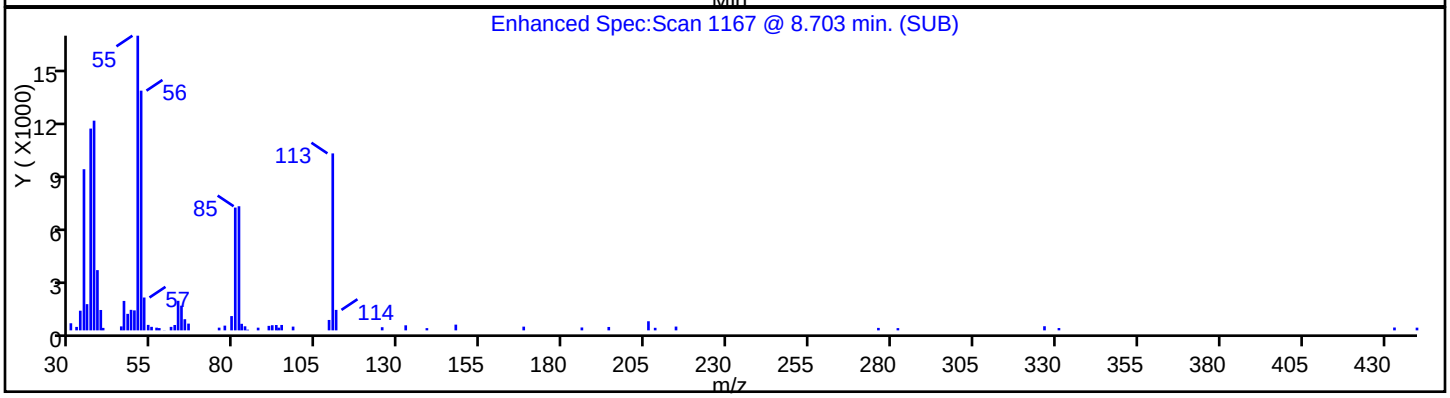
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:04:04
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10550.D		
Lims ID:	std1	Client ID:	
Inject. Date:	25-Sep-2009 19:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001300-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49509	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:04:52
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:25

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.252	7.254	-0.002	340070	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	797068	2.00	
* 3 Acenaphthene-d10	164	9.877	9.879	-0.002	356548	2.00	
* 4 Phenanthrene-d10	188	11.132	11.134	-0.002	570870	2.00	
* 5 Chrysene-d12	240	14.037	14.044	-0.007	391970	2.00	
* 6 Perylene-d12	264	16.528	16.530	-0.002	277363	2.00	
$ 7 2-Fluorophenol	112	5.944	5.941	0.003	95904	1.08	
$ 8 Phenol-d5	99	6.891	6.898	-0.007	118266	1.05	
$ 9 Nitrobenzene-d5	82	7.752	7.754	-0.002	114841	1.06	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	229089	0.9718	
$ 11 2,4,6-Tribromophenol	330	10.541	10.543	-0.002	16470	0.8456	
$ 12 Terphenyl-d14	244	12.517	12.519	-0.002	151528	1.00	
14 1,4-Dioxane	88	3.135	3.137	-0.002	37804	1.23	
15 N-Nitrosodimethylamine	42	3.804	3.806	-0.002	67265	1.03	
16 Pyridine	79	3.833	3.820	0.013	77031	1.02	
17 Benzaldehyde	105	6.848	6.850	-0.002	65435	1.06	
18 Phenol	94	6.905	6.908	-0.003	121782	1.03	
19 Aniline	93	6.944	6.946	-0.002	144987	1.06	
20 Bis(2-chloroethyl)ether	93	7.002	7.004	-0.002	95737	1.04	
21 2-Chlorophenol	128	7.055	7.057	-0.002	106796	1.04	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	130559	1.05	
23 1,3-Dichlorobenzene	146	7.271	7.268	0.003	138247	1.07	
24 Benzyl alcohol	79	7.372	7.374	-0.002	84209	1.03	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	125022	1.03	
26 2-Methylphenol	108	7.463	7.465	-0.002	94104	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.492	7.494	-0.002	183783	1.07	
28 3 & 4 Methylphenol	108	7.598	7.600	-0.002	96750	1.04	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	71824	1.03	
30 Acetophenone	105	7.612	7.614	-0.002	139863	1.02	
31 Hexachloroethane	117	7.718	7.715	0.003	48572	1.06	
32 Nitrobenzene	77	7.771	7.773	-0.002	116178	1.10	
33 Isophorone	82	7.973	7.975	-0.002	183478	1.11	
34 2-Nitrophenol	139	8.050	8.052	-0.002	50864	1.13	
35 2,4-Dimethylphenol	107	8.064	8.066	-0.002	102873	1.10	
36 Benzoic acid	105	8.093	8.119	-0.026	8898	0.6921	
37 Bis(2-chloroethoxy)methane	93	8.146	8.148	-0.002	108424	1.05	
38 2,4-Dichlorophenol	162	8.252	8.254	-0.002	79957	1.13	
39 1,2,4-Trichlorobenzene	180	8.334	8.331	0.003	99784	1.02	
40 Alpha-Terpineol	59	8.391	8.393	-0.002	93389	1.14	
41 Naphthalene	128	8.406	8.408	-0.002	318482	1.08	
42 4-Chloroaniline	127	8.439	8.442	-0.003	122918	1.08	
43 Hexachlorobutadiene	225	8.502	8.504	-0.002	50553	1.06	
44 Caprolactam	55	8.709	8.725	-0.016	35519	1.02	
45 4-Chloro-3-methylphenol	107	8.829	8.831	-0.002	79752	1.12	
46 2-Methylnaphthalene	142	8.992	8.995	-0.003	209971	1.08	
47 1-Methylnaphthalene	142	9.079	9.081	-0.002	207106	1.09	
48 Hexachlorocyclopentadiene	237	9.122	9.124	-0.002	34165	0.8772	
49 1,2,4,5-Tetrachlorobenzene	216	9.137	9.134	0.003	82383	1.07	
50 2,4,6-Trichlorophenol	196	9.223	9.225	-0.002	51148	0.9193	
51 2,4,5-Trichlorophenol	196	9.252	9.254	-0.002	53254	0.8841	
52 1,1'-Biphenyl	154	9.377	9.379	-0.002	242200	0.9730	
53 2-Chloronaphthalene	162	9.406	9.413	-0.007	231728	0.9803	
54 Phenyl ether	170	9.464	9.466	-0.002	131144	1.07	
68 4-Nitroaniline	138	9.478	9.485	-0.007	56723	0.8565	
56 Dimethyl phthalate	163	9.613	9.615	-0.002	215640	1.00	
57 2,6-Dinitrotoluene	165	9.671	9.677	-0.006	47888	0.9575	
58 Acenaphthylene	152	9.762	9.764	-0.002	295124	0.9871	
59 3-Nitroaniline	138	9.820	9.826	-0.006	46815	0.9540	
61 Acenaphthene	153	9.906	9.908	-0.002	200229	0.9662	
60 2,4-Dinitrophenol	184	9.906	9.913	-0.007	7282	1.10	
62 4-Nitrophenol	109	9.930	9.937	-0.007	21638	0.7888	
63 2,4-Dinitrotoluene	165	10.017	10.019	-0.002	56489	0.8656	
64 Dibenzofuran	168	10.050	10.052	-0.002	259009	0.9600	
65 2,3,4,6-Tetrachlorophenol	232	10.142	10.144	-0.002	36267	0.8752	
66 Diethyl phthalate	149	10.195	10.202	-0.007	213166	0.9429	
67 4-Chlorophenyl phenyl ether	204	10.320	10.322	-0.002	97253	0.9479	
69 Fluorene	166	10.339	10.341	-0.002	214257	0.9633	
55 2-Nitroaniline	65	10.334	10.341	-0.007	54509	1.19	
70 4,6-Dinitro-2-methylphenol	198	10.358	10.360	-0.002	14924	1.15	
71 Diphenylamine	169	10.416	10.418	-0.002	179108	0.9757	
72 N-Nitrosodiphenylamine	169	10.416	10.418	-0.002	179108	0.9757	
74 Azobenzene	77	10.454	10.456	-0.002	338361	0.9793	
73 1,2-Diphenylhydrazine	77	10.454	10.456	-0.002	338361	0.9793	
13 Benzophenone	105	10.464	10.466	-0.002	195798	0.9680	
75 4-Bromophenyl phenyl ether	248	10.733	10.735	-0.002	49347	0.9659	
76 Hexachlorobenzene	284	10.805	10.807	-0.002	47576	0.9761	
77 Atrazine	200	10.839	10.841	-0.002	49710	0.9830	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.964	10.970	-0.006	10346	1.05	
79 Pentachloronitrobenzene	237	10.974	10.976	-0.002	20772	0.8459	
80 Phenanthrene	178	11.152	11.154	-0.002	280596	0.9756	
81 Anthracene	178	11.195	11.197	-0.002	254195	0.9398	
83 Carbazole	167	11.315	11.317	-0.002	234835	1.04	
84 Di-n-butyl phthalate	149	11.560	11.562	-0.002	333792	0.9461	
87 Fluoranthene	202	12.171	12.173	-0.002	246498	0.9573	
86 Benzidine	184	12.267	12.278	-0.011	17944	1.14	
85 Pyrene	202	12.402	12.399	0.003	260707	1.02	
89 Butyl benzyl phthalate	149	13.070	13.072	-0.002	110960	0.9580	
91 3,3'-Dichlorobenzidine	252	13.946	13.948	-0.002	40316	0.8668	
92 Bis(2-ethylhexyl) phthalate	149	13.979	13.981	-0.002	151348	0.8898	
93 Benzo[a]anthracene	228	14.022	14.025	-0.003	172411	0.99	
94 Chrysene	228	14.090	14.092	-0.002	170001	1.03	
95 Di-n-octyl phthalate	149	15.374	15.376	-0.002	170861	1.06	
97 Benzo[b]fluoranthene	252	15.975	15.982	-0.007	156268	0.9834	
98 Benzo[k]fluoranthene	252	16.018	16.020	-0.002	137442	0.9443	
99 Benzo[a]pyrene	252	16.446	16.448	-0.002	101920	0.8573	
100 Indeno[1,2,3-cd]pyrene	276	18.326	18.333	-0.007	74804	0.8748	
101 Dibenz(a,h)anthracene	278	18.355	18.367	-0.012	58009	0.8557	
102 Benzo[g,h,i]perylene	276	18.855	18.867	-0.012	77337	1.03	

Report Date: 28-Sep-2009 07:16:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10550.D

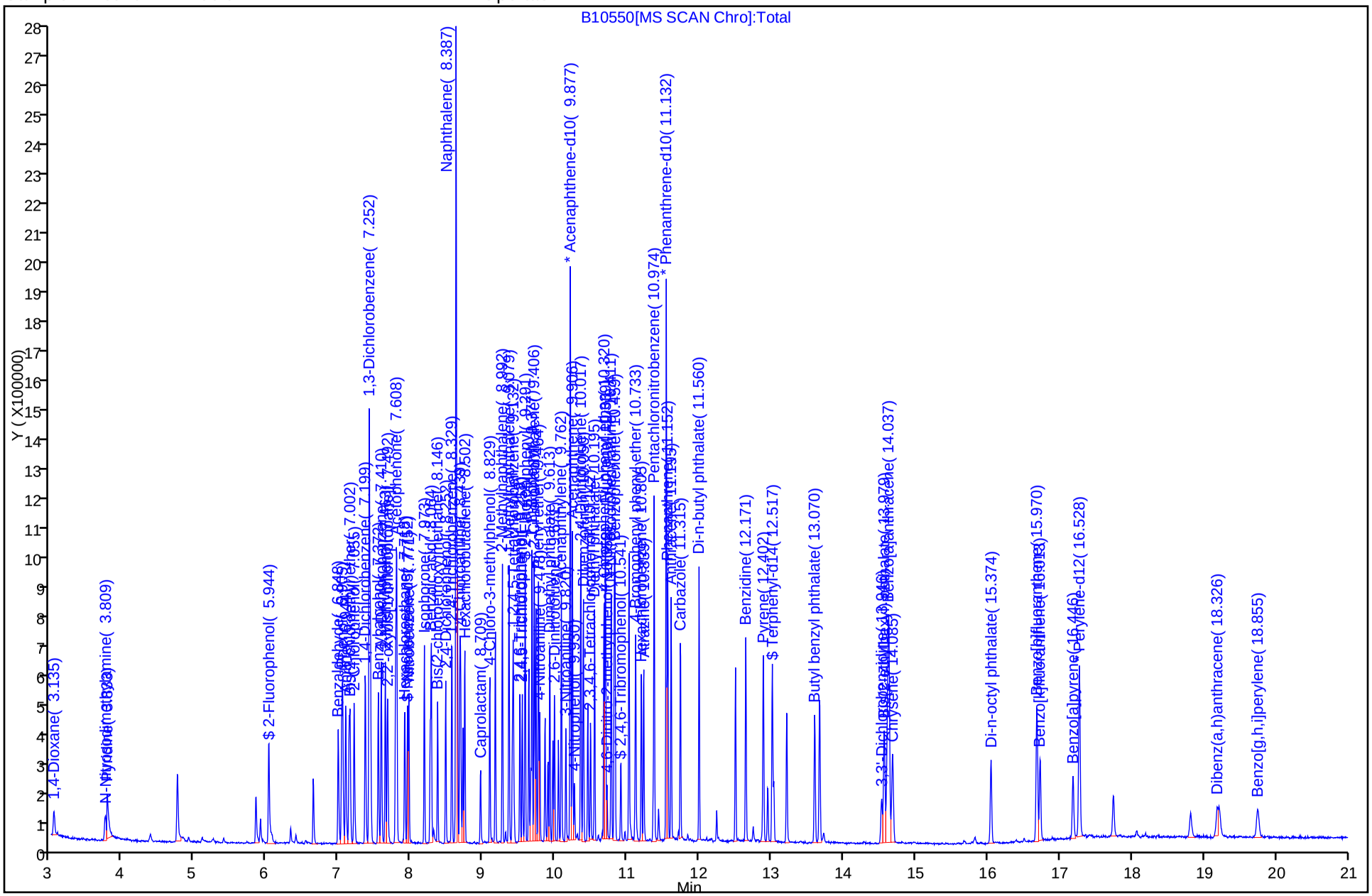
Inj Date: 25-Sep-2009 19:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10551.D		
Lims ID:	std25	Client ID:	
Inject. Date:	25-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001300-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49509	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:05:28
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.253	0.000	330683	2.00	
* 2 Naphthalene-d8	136	8.388	8.388	0.000	759088	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	315212	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	515432	2.00	
* 5 Chrysene-d12	240	14.043	14.043	0.000	371949	2.00	
* 6 Perylene-d12	264	16.529	16.529	0.000	259589	2.00	
$ 7 2-Fluorophenol	112	5.940	5.940	0.000	236767	2.75	
$ 8 Phenol-d5	99	6.892	6.892	0.000	285407	2.61	
$ 9 Nitrobenzene-d5	82	7.753	7.753	0.000	281233	2.74	
$ 10 2-Fluorobiphenyl	172	9.292	9.292	0.000	542253	2.60	
$ 11 2,4,6-Tribromophenol	330	10.542	10.542	0.000	42801	2.24	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	371141	2.58	
14 1,4-Dioxane	88	3.122	3.122	0.000	66093	2.40	
15 N-Nitrosodimethylamine	42	3.796	3.796	0.000	155473	2.45	
16 Pyridine	79	3.805	3.805	0.000	199084	2.72	
17 Benzaldehyde	105	6.849	6.849	0.000	157077	2.62	
18 Phenol	94	6.907	6.907	0.000	294753	2.57	
19 Aniline	93	6.945	6.945	0.000	353352	2.65	
20 Bis(2-chloroethyl)ether	93	7.003	7.003	0.000	232792	2.59	
21 2-Chlorophenol	128	7.056	7.056	0.000	258735	2.60	
22 1,4-Dichlorobenzene	146	7.200	7.200	0.000	309043	2.56	
23 1,3-Dichlorobenzene	146	7.267	7.267	0.000	323814	2.57	
24 Benzyl alcohol	79	7.373	7.373	0.000	207262	2.61	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	293979	2.49	
26 2-Methylphenol	108	7.465	7.465	0.000	228988	2.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.493	0.000	431031	2.58	
28 3 & 4 Methylphenol	108	7.599	7.599	0.000	240422	2.65	
29 N-Nitrosodi-n-propylamine	70	7.609	7.609	0.000	168660	2.48	
30 Acetophenone	105	7.614	7.614	0.000	331871	2.50	
31 Hexachloroethane	117	7.715	7.715	0.000	112862	2.54	
32 Nitrobenzene	77	7.772	7.772	0.000	270907	2.69	
33 Isophorone	82	7.974	7.974	0.000	452449	2.87	
34 2-Nitrophenol	139	8.051	8.051	0.000	128317	3.00	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	241363	2.71	
36 Benzoic acid	105	8.104	8.119	-0.015	58374	2.93	
37 Bis(2-chloroethoxy)methane	93	8.147	8.147	0.000	265433	2.70	
38 2,4-Dichlorophenol	162	8.253	8.253	0.000	202442	3.01	
39 1,2,4-Trichlorobenzene	180	8.330	8.330	0.000	237254	2.81	
40 Alpha-Terpineol	59	8.393	8.393	0.000	227006	2.91	
41 Naphthalene	128	8.407	8.407	0.000	745331	2.65	
42 4-Chloroaniline	127	8.436	8.436	0.000	298133	2.76	
43 Hexachlorobutadiene	225	8.503	8.503	0.000	121303	2.66	
44 Caprolactam	55	8.715	8.715	0.000	99969	3.02	
45 4-Chloro-3-methylphenol	107	8.830	8.830	0.000	201322	2.96	
46 2-Methylnaphthalene	142	8.994	8.994	0.000	493780	2.66	
47 1-Methylnaphthalene	142	9.080	9.080	0.000	481062	2.67	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	82605	2.26	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.133	0.000	202295	2.75	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	130978	2.59	
51 2,4,5-Trichlorophenol	196	9.253	9.253	0.000	137265	2.44	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	577610	2.62	
53 2-Chloronaphthalene	162	9.407	9.407	0.000	547815	2.62	
54 Phenyl ether	170	9.465	9.465	0.000	301758	2.58	
68 4-Nitroaniline	138	9.480	9.480	0.000	149915	2.40	
56 Dimethyl phthalate	163	9.614	9.614	0.000	504952	2.65	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	115989	2.55	
58 Acenaphthylene	152	9.763	9.763	0.000	716065	2.71	
59 3-Nitroaniline	138	9.821	9.821	0.000	113958	2.50	
61 Acenaphthene	153	9.907	9.907	0.000	471386	2.57	
60 2,4-Dinitrophenol	184	9.907	9.907	0.000	28444	2.26	
62 4-Nitrophenol	109	9.932	9.932	0.000	59733	2.17	
63 2,4-Dinitrotoluene	165	10.018	10.018	0.000	146905	2.35	
64 Dibenzofuran	168	10.052	10.052	0.000	627121	2.63	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.143	0.000	91995	2.32	
66 Diethyl phthalate	149	10.196	10.196	0.000	524649	2.62	
67 4-Chlorophenyl phenyl ether	204	10.321	10.321	0.000	236304	2.61	
69 Fluorene	166	10.340	10.340	0.000	506331	2.57	
55 2-Nitroaniline	65	10.335	10.335	0.000	121589	2.82	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	50341	2.34	
71 Diphenylamine	169	10.417	10.417	0.000	438571	2.65	
72 N-Nitrosodiphenylamine	169	10.417	10.417	0.000	438571	2.65	
74 Azobenzene	77	10.456	10.456	0.000	845013	2.71	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	845013	2.71	
13 Benzophenone	105	10.465	10.465	0.000	488395	2.67	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	118444	2.57	
76 Hexachlorobenzene	284	10.807	10.807	0.000	113725	2.58	
77 Atrazine	200	10.840	10.840	0.000	127796	2.80	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.969	-0.004	40733	2.32	
79 Pentachloronitrobenzene	237	10.975	10.975	0.000	55121	2.31	
80 Phenanthrene	178	11.153	11.153	0.000	665153	2.56	
81 Anthracene	178	11.196	11.196	0.000	639648	2.62	
83 Carbazole	167	11.316	11.316	0.000	541478	2.65	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	820514	2.58	
87 Fluoranthene	202	12.172	12.172	0.000	605320	2.60	
86 Benzidine	184	12.269	12.277	-0.008	66067	2.46	
85 Pyrene	202	12.398	12.398	0.000	630305	2.59	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	303841	2.76	
91 3,3'-Dichlorobenzidine	252	13.947	13.947	0.000	115832	2.40	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	421107	2.48	
93 Benzo[a]anthracene	228	14.024	14.024	0.000	432861	2.62	
94 Chrysene	228	14.091	14.091	0.000	408741	2.61	
95 Di-n-octyl phthalate	149	15.375	15.375	0.000	561996	2.39	
97 Benzo[b]fluoranthene	252	15.981	15.981	0.000	374687	2.52	
98 Benzo[k]fluoranthene	252	16.019	16.019	0.000	359985	2.64	
99 Benzo[a]pyrene	252	16.447	16.447	0.000	279459	2.37	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	209930	2.50	
101 Dibenz(a,h)anthracene	278	18.361	18.361	0.000	158766	2.37	
102 Benzo[g,h,i]perylene	276	18.861	18.861	0.000	186514	2.65	

Report Date: 28-Sep-2009 07:16:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10551.D

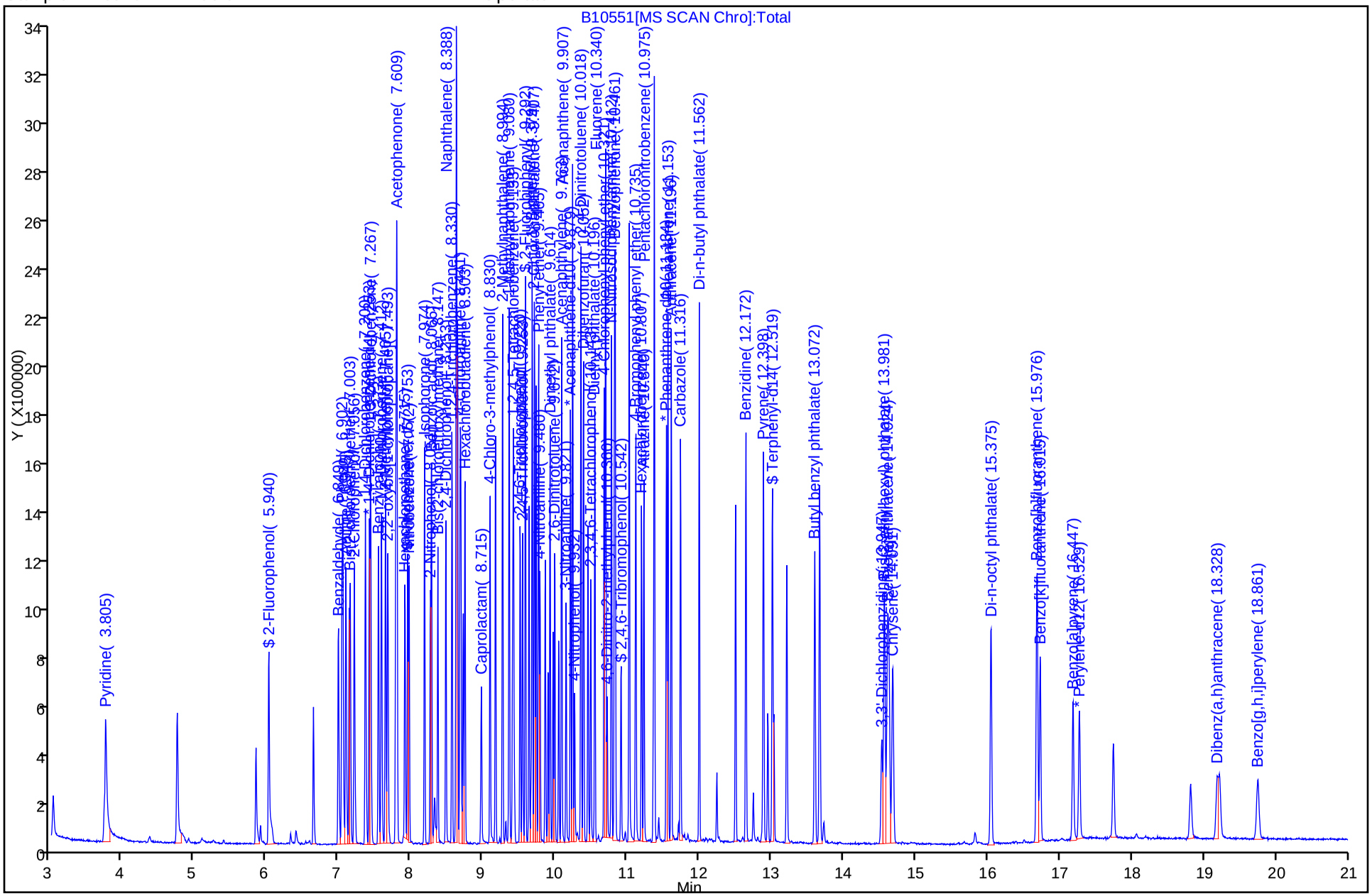
Inj Date: 25-Sep-2009 19:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10552.D		
Lims ID:	std8	Client ID:	
Inject. Date:	25-Sep-2009 20:09:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001300-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49509	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:06:30
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:40

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.254	-0.001	446267	2.00	
* 2 Naphthalene-d8	136	8.392	8.389	0.003	1096600	2.00	
* 3 Acenaphthene-d10	164	9.883	9.879	0.004	363621	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	584889	2.00	
* 5 Chrysene-d12	240	14.047	14.044	0.003	448939	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	312429	2.00	
$ 7 2-Fluorophenol	112	5.945	5.941	0.004	888786	7.65	
$ 8 Phenol-d5	99	6.902	6.898	0.004	1093061	7.41	
$ 9 Nitrobenzene-d5	82	7.758	7.754	0.004	1055164	7.11	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	2055243	8.55	
$ 11 2,4,6-Tribromophenol	330	10.547	10.543	0.004	182713	8.16	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	1407641	8.10	
14 1,4-Dioxane	88	3.141	3.137	0.004	279957	8.05	
15 N-Nitrosodimethylamine	42	3.809	3.806	0.003	590699	6.89	
16 Pyridine	79	3.819	3.820	-0.001	781514	7.91	
17 Benzaldehyde	105	6.849	6.850	-0.001	592431	7.32	
18 Phenol	94	6.911	6.908	0.003	1129128	7.31	
19 Aniline	93	6.950	6.946	0.004	1331372	7.39	
20 Bis(2-chloroethyl)ether	93	7.007	7.004	0.003	873074	7.21	
21 2-Chlorophenol	128	7.060	7.057	0.003	963735	7.18	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	1145141	7.03	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1190268	7.00	
24 Benzyl alcohol	79	7.373	7.374	-0.001	833209	7.78	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	1088600	6.83	
26 2-Methylphenol	108	7.464	7.465	-0.001	866400	7.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	1546179	6.85	
28 3 & 4 Methylphenol	108	7.604	7.600	0.004	937418	7.65	
29 N-Nitrosodi-n-propylamine	70	7.613	7.610	0.003	704426	7.68	
30 Acetophenone	105	7.618	7.614	0.004	1341590	7.48	
31 Hexachloroethane	117	7.719	7.715	0.004	440601	7.36	
32 Nitrobenzene	77	7.772	7.773	-0.001	1043916	7.18	
33 Isophorone	82	7.979	7.975	0.004	1723177	7.58	
34 2-Nitrophenol	139	8.051	8.052	-0.001	524918	8.48	
35 2,4-Dimethylphenol	107	8.065	8.066	-0.001	929859	7.24	
36 Benzoic acid	105	8.137	8.119	0.018	388173	7.68	
37 Bis(2-chloroethoxy)methane	93	8.152	8.148	0.004	998478	7.04	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	771601	7.94	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.004	867487	8.30	
40 Alpha-Terpineol	59	8.397	8.393	0.004	899170	7.97	
41 Naphthalene	128	8.407	8.408	-0.001	2822321	6.95	
42 4-Chloroaniline	127	8.440	8.442	-0.002	1169202	7.49	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	463633	7.05	
44 Caprolactam	55	8.739	8.725	0.013	409381	8.55	
45 4-Chloro-3-methylphenol	107	8.835	8.831	0.004	806790	8.21	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	1855005	6.92	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	1803814	6.93	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	340912	7.88	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	748855	7.05	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	513752	8.73	
51 2,4,5-Trichlorophenol	196	9.258	9.254	0.004	543427	8.21	
52 1,1'-Biphenyl	154	9.383	9.379	0.004	2164558	8.53	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	1958024	8.12	
54 Phenyl ether	170	9.465	9.466	-0.001	1171535	6.93	
68 4-Nitroaniline	138	9.484	9.485	-0.001	601628	8.14	
56 Dimethyl phthalate	163	9.619	9.615	0.004	1897684	8.63	
57 2,6-Dinitrotoluene	165	9.681	9.677	0.004	448117	8.45	
58 Acenaphthylene	152	9.768	9.764	0.004	2699271	8.85	
59 3-Nitroaniline	138	9.825	9.826	-0.001	437534	8.14	
61 Acenaphthene	153	9.912	9.908	0.004	1805395	8.54	
60 2,4-Dinitrophenol	184	9.912	9.913	-0.001	173284	7.86	
62 4-Nitrophenol	109	9.941	9.937	0.004	265864	7.98	
63 2,4-Dinitrotoluene	165	10.022	10.019	0.003	601889	8.10	
64 Dibenzofuran	168	10.051	10.052	-0.001	2327273	8.46	
65 2,3,4,6-Tetrachlorophenol	232	10.147	10.144	0.003	384791	8.13	
66 Diethyl phthalate	149	10.200	10.202	-0.002	1977984	8.58	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	869413	8.31	
69 Fluorene	166	10.340	10.341	-0.001	2016596	8.89	
55 2-Nitroaniline	65	10.340	10.341	-0.001	471491	8.40	
70 4,6-Dinitro-2-methylphenol	198	10.364	10.360	0.004	240845	7.60	
71 Diphenylamine	169	10.417	10.418	-0.001	1675999	8.91	
72 N-Nitrosodiphenylamine	169	10.417	10.418	-0.001	1675999	8.91	
74 Azobenzene	77	10.460	10.456	0.004	3236510	9.14	
73 1,2-Diphenylhydrazine	77	10.460	10.456	0.004	3236510	9.14	
13 Benzophenone	105	10.470	10.466	0.004	1925966	9.29	
75 4-Bromophenyl phenyl ether	248	10.739	10.735	0.004	457714	8.74	
76 Hexachlorobenzene	284	10.811	10.807	0.004	424528	8.50	
77 Atrazine	200	10.845	10.841	0.004	474971	9.17	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.970	-0.005	226642	8.26	
79 Pentachloronitrobenzene	237	10.979	10.976	0.003	231150	8.31	
80 Phenanthrene	178	11.157	11.154	0.003	2559381	8.69	
81 Anthracene	178	11.201	11.197	0.004	2522934	9.10	
83 Carbazole	167	11.321	11.317	0.004	1892701	8.16	
84 Di-n-butyl phthalate	149	11.566	11.562	0.004	3138249	8.68	
87 Fluoranthene	202	12.177	12.173	0.004	2319930	8.79	
86 Benzidine	184	12.273	12.278	-0.005	390686	8.11	
85 Pyrene	202	12.403	12.399	0.004	2426881	8.26	
89 Butyl benzyl phthalate	149	13.076	13.072	0.004	1247244	9.40	
91 3,3'-Dichlorobenzidine	252	13.951	13.948	0.003	495476	8.23	
92 Bis(2-ethylhexyl) phthalate	149	13.985	13.981	0.004	1744897	8.33	
93 Benzo[a]anthracene	228	14.028	14.025	0.003	1674378	8.41	
94 Chrysene	228	14.096	14.092	0.004	1572710	8.32	
95 Di-n-octyl phthalate	149	15.375	15.376	-0.001	2629239	7.76	
97 Benzo[b]fluoranthene	252	15.985	15.982	0.003	1552261	8.67	
98 Benzo[k]fluoranthene	252	16.024	16.020	0.004	1410943	8.61	
99 Benzo[a]pyrene	252	16.452	16.448	0.004	1175686	8.08	
100 Indeno[1,2,3-cd]pyrene	276	18.337	18.333	0.004	852513	8.28	
101 Dibenz(a,h)anthracene	278	18.366	18.367	-0.001	671501	8.13	
102 Benzo[g,h,i]perylene	276	18.871	18.867	0.004	725997	8.56	

Report Date: 28-Sep-2009 07:16:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10552.D

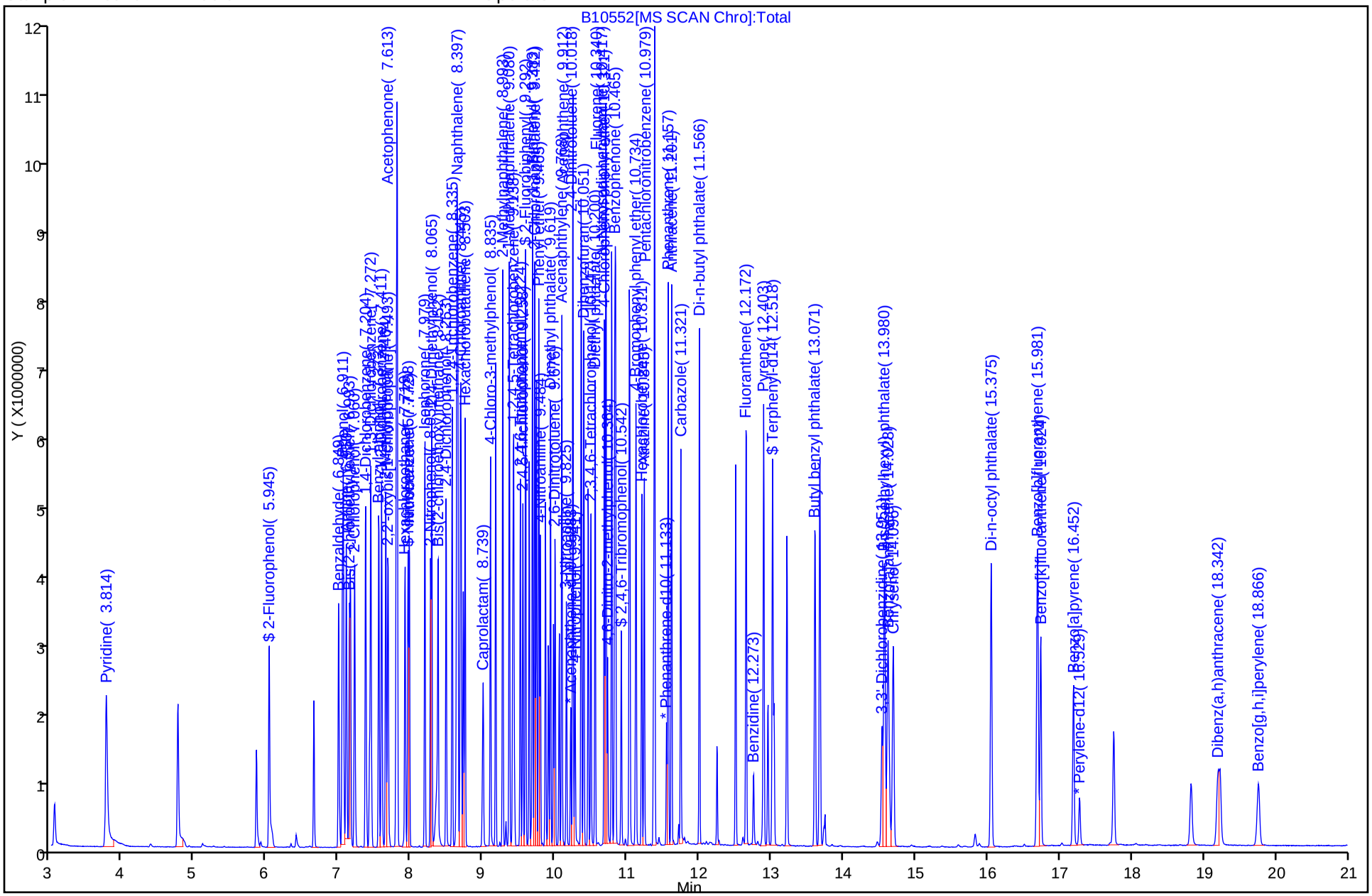
Inj Date: 25-Sep-2009 20:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

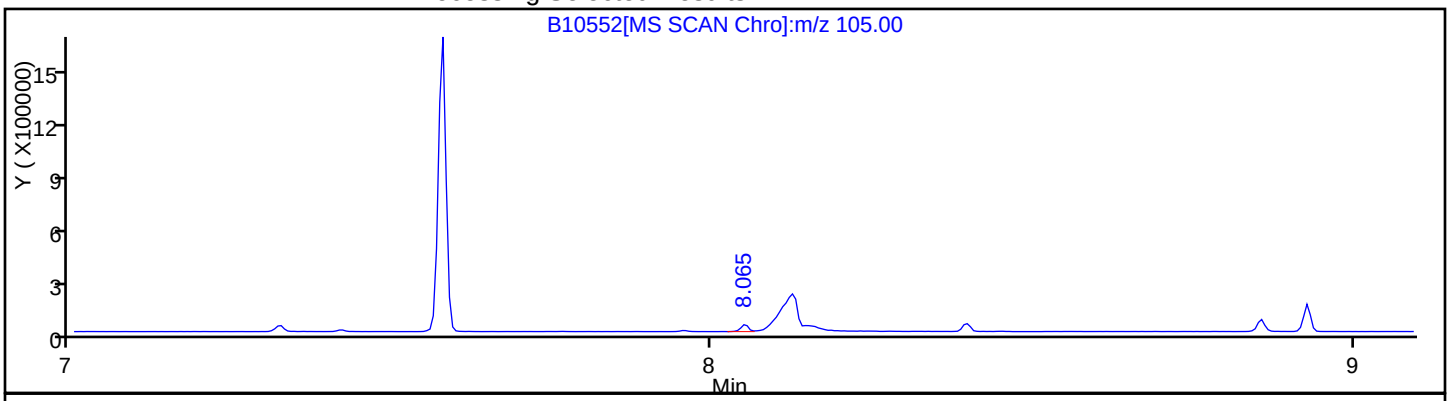


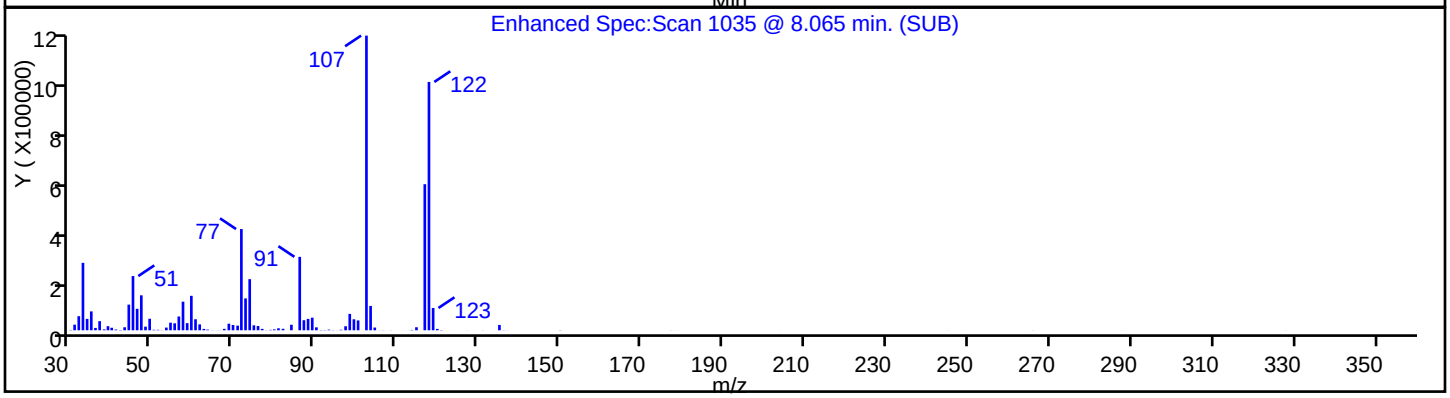
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10552.D		
Inj Date:	25-Sep-2009 20:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

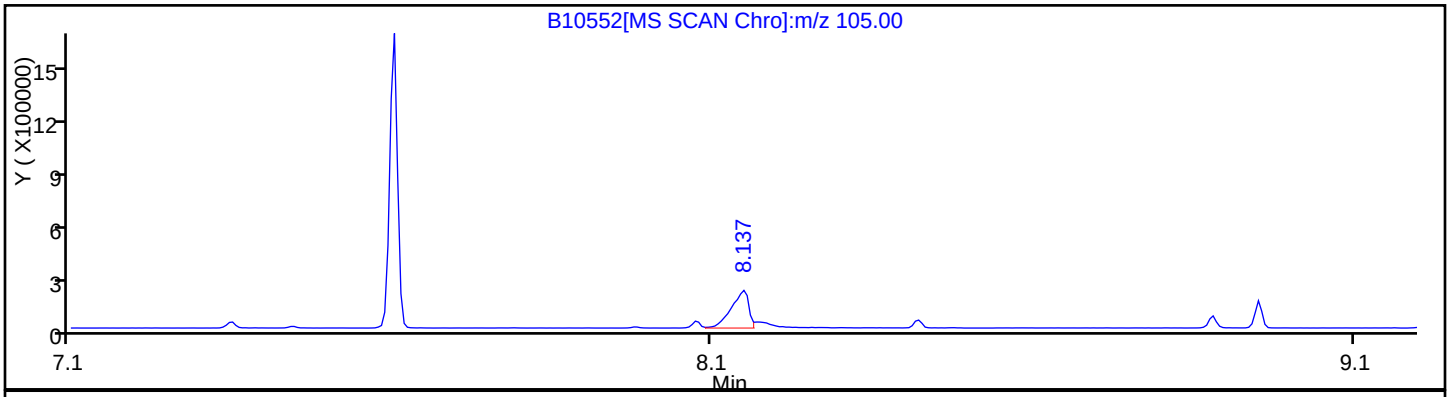
36 Benzoic acid

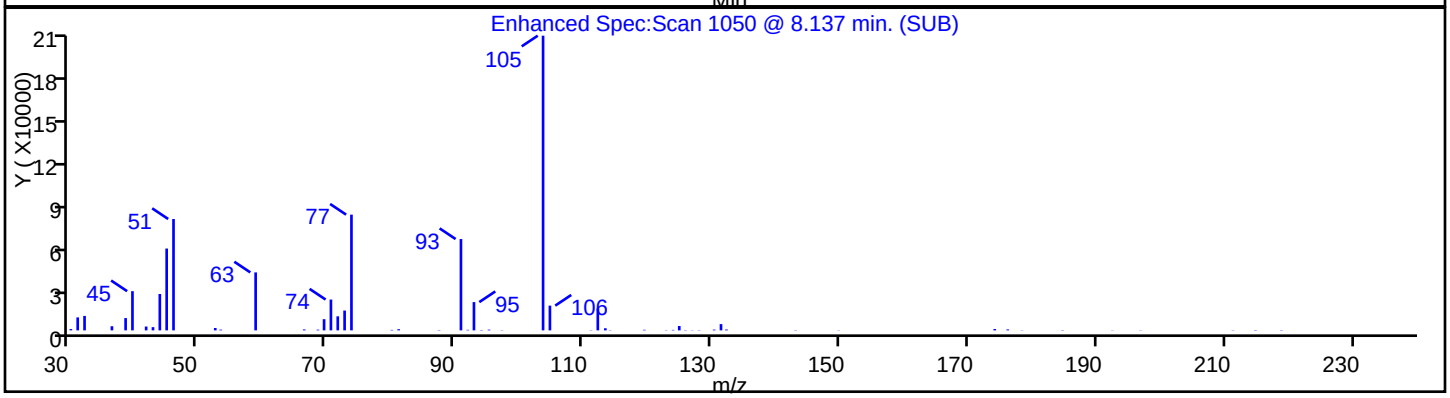
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:06:30
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Lims ID:	std10	Client ID:	
Inject. Date:	25-Sep-2009 20:37:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001300-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49509	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:07:35
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:48

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.254	-0.001	525215	2.00	
* 2 Naphthalene-d8	136	8.393	8.389	0.004	1277127	2.00	
* 3 Acenaphthene-d10	164	9.884	9.879	0.005	392906	2.00	
* 4 Phenanthrene-d10	188	11.139	11.134	0.005	644636	2.00	
* 5 Chrysene-d12	240	14.048	14.044	0.004	516314	2.00	
* 6 Perylene-d12	264	16.534	16.530	0.004	363917	2.00	
$ 7 2-Fluorophenol	112	5.945	5.941	0.004	1178495	8.62	
$ 8 Phenol-d5	99	6.902	6.898	0.004	1444795	8.32	
$ 9 Nitrobenzene-d5	82	7.758	7.754	0.004	1390277	8.04	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	2623679	10.1	
$ 11 2,4,6-Tribromophenol	330	10.547	10.543	0.004	241765	9.78	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	1950175	9.76	
14 1,4-Dioxane	88	3.137	3.137	0.000	354999	8.69	
15 N-Nitrosodimethylamine	42	3.810	3.806	0.004	795898	7.88	
16 Pyridine	79	3.815	3.820	-0.005	1042111	8.96	
17 Benzaldehyde	105	6.849	6.850	-0.001	767717	8.06	
18 Phenol	94	6.916	6.908	0.008	1484455	8.16	
19 Aniline	93	6.950	6.946	0.004	1751899	8.27	
20 Bis(2-chloroethyl)ether	93	7.008	7.004	0.004	1143143	8.02	
21 2-Chlorophenol	128	7.061	7.057	0.004	1277488	8.09	
22 1,4-Dichlorobenzene	146	7.205	7.201	0.004	1501429	7.83	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1560368	7.79	
24 Benzyl alcohol	79	7.378	7.374	0.004	1102499	8.75	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	1415950	7.55	
26 2-Methylphenol	108	7.469	7.465	0.004	1134249	8.28	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	2010782	7.57	
28 3 & 4 Methylphenol	108	7.604	7.600	0.004	1226473	8.50	
29 N-Nitrosodi-n-propylamine	70	7.614	7.610	0.004	945953	8.76	
30 Acetophenone	105	7.619	7.614	0.005	1780718	8.44	
31 Hexachloroethane	117	7.720	7.715	0.005	581989	8.26	
32 Nitrobenzene	77	7.777	7.773	0.004	1375149	8.12	
33 Isophorone	82	7.979	7.975	0.004	2293006	8.66	
34 2-Nitrophenol	139	8.051	8.052	-0.001	692736	9.61	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	1188162	7.94	
36 Benzoic acid	105	8.152	8.119	0.033	728670	10.1	5
37 Bis(2-chloroethoxy)methane	93	8.152	8.148	0.004	1322072	8.00	
38 2,4-Dichlorophenol	162	8.258	8.254	0.004	1029423	9.10	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.004	1136839	9.70	
40 Alpha-Terpineol	59	8.398	8.393	0.005	1179342	8.97	
41 Naphthalene	128	8.407	8.408	-0.001	3629586	7.67	
42 4-Chloroaniline	127	8.441	8.442	-0.001	1550738	8.53	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	611813	7.99	
44 Caprolactam	55	8.744	8.725	0.019	544583	9.77	
45 4-Chloro-3-methylphenol	107	8.835	8.831	0.004	1074207	9.39	
46 2-Methylnaphthalene	142	8.994	8.995	-0.001	2418993	7.74	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	2343255	7.73	
48 Hexachlorocyclopentadiene	237	9.129	9.124	0.005	469223	10.0	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	965747	7.80	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	673710	10.6	
51 2,4,5-Trichlorophenol	196	9.258	9.254	0.004	708701	9.90	
52 1,1'-Biphenyl	154	9.383	9.379	0.004	2803425	10.2	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	2745733	10.5	
54 Phenyl ether	170	9.465	9.466	-0.001	1520570	7.72	
68 4-Nitroaniline	138	9.489	9.485	0.004	802092	10.0	
56 Dimethyl phthalate	163	9.619	9.615	0.004	2494670	10.5	
57 2,6-Dinitrotoluene	165	9.682	9.677	0.005	595359	10.4	
58 Acenaphthylene	152	9.768	9.764	0.004	3482251	10.6	
59 3-Nitroaniline	138	9.831	9.826	0.005	583962	10.0	
61 Acenaphthene	153	9.912	9.908	0.004	2379186	10.4	
60 2,4-Dinitrophenol	184	9.912	9.913	-0.001	268409	10.5	
62 4-Nitrophenol	109	9.941	9.937	0.004	367528	10.2	
63 2,4-Dinitrotoluene	165	10.023	10.019	0.004	811001	10.1	
64 Dibenzofuran	168	10.057	10.052	0.005	3019208	10.2	
65 2,3,4,6-Tetrachlorophenol	232	10.148	10.144	0.004	525879	10.2	
66 Diethyl phthalate	149	10.201	10.202	-0.001	2599037	10.4	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	1139514	10.1	
69 Fluorene	166	10.345	10.341	0.004	2595844	10.6	
55 2-Nitroaniline	65	10.345	10.341	0.004	635117	10.1	
70 4,6-Dinitro-2-methylphenol	198	10.369	10.360	0.009	351060	9.82	
71 Diphenylamine	169	10.422	10.418	0.004	2209883	10.7	
72 N-Nitrosodiphenylamine	169	10.422	10.418	0.004	2209883	10.7	
74 Azobenzene	77	10.461	10.456	0.005	4233397	10.9	
73 1,2-Diphenylhydrazine	77	10.461	10.456	0.005	4233397	10.9	
13 Benzophenone	105	10.470	10.466	0.004	2552359	11.2	
75 4-Bromophenyl phenyl ether	248	10.739	10.735	0.004	610844	10.6	
76 Hexachlorobenzene	284	10.812	10.807	0.005	564453	10.3	
77 Atrazine	200	10.845	10.841	0.004	620127	10.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.970	-0.005	318731	10.2	
79 Pentachloronitrobenzene	237	10.980	10.976	0.004	309791	10.1	
80 Phenanthrene	178	11.158	11.154	0.004	3332928	10.3	
81 Anthracene	178	11.201	11.197	0.004	3314599	10.9	
83 Carbazole	167	11.321	11.317	0.004	2569637	10.0	
84 Di-n-butyl phthalate	149	11.567	11.562	0.005	4025405	10.1	
87 Fluoranthene	202	12.177	12.173	0.004	3140577	10.8	
86 Benzidine	184	12.273	12.278	-0.005	600013	10.3	
85 Pyrene	202	12.403	12.399	0.004	3290853	9.74	
89 Butyl benzyl phthalate	149	13.077	13.072	0.005	1719045	11.3	
91 3,3'-Dichlorobenzidine	252	13.952	13.948	0.004	696843	10.0	
92 Bis(2-ethylhexyl) phthalate	149	13.985	13.981	0.004	2427773	10.1	
93 Benzo[a]anthracene	228	14.029	14.025	0.004	2326484	10.2	
94 Chrysene	228	14.101	14.092	0.009	2176932	10.0	
95 Di-n-octyl phthalate	149	15.375	15.376	-0.001	3733452	9.34	
97 Benzo[b]fluoranthene	252	15.991	15.982	0.009	2125981	10.2	
98 Benzo[k]fluoranthene	252	16.029	16.020	0.009	2020163	10.6	
99 Benzo[a]pyrene	252	16.452	16.448	0.004	1661641	9.79	
100 Indeno[1,2,3-cd]pyrene	276	18.342	18.333	0.009	1203598	10.0	
101 Dibenz(a,h)anthracene	278	18.371	18.367	0.004	958403	9.95	
102 Benzo[g,h,i]perylene	276	18.871	18.867	0.004	988274	10.0	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 28-Sep-2009 07:16:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D

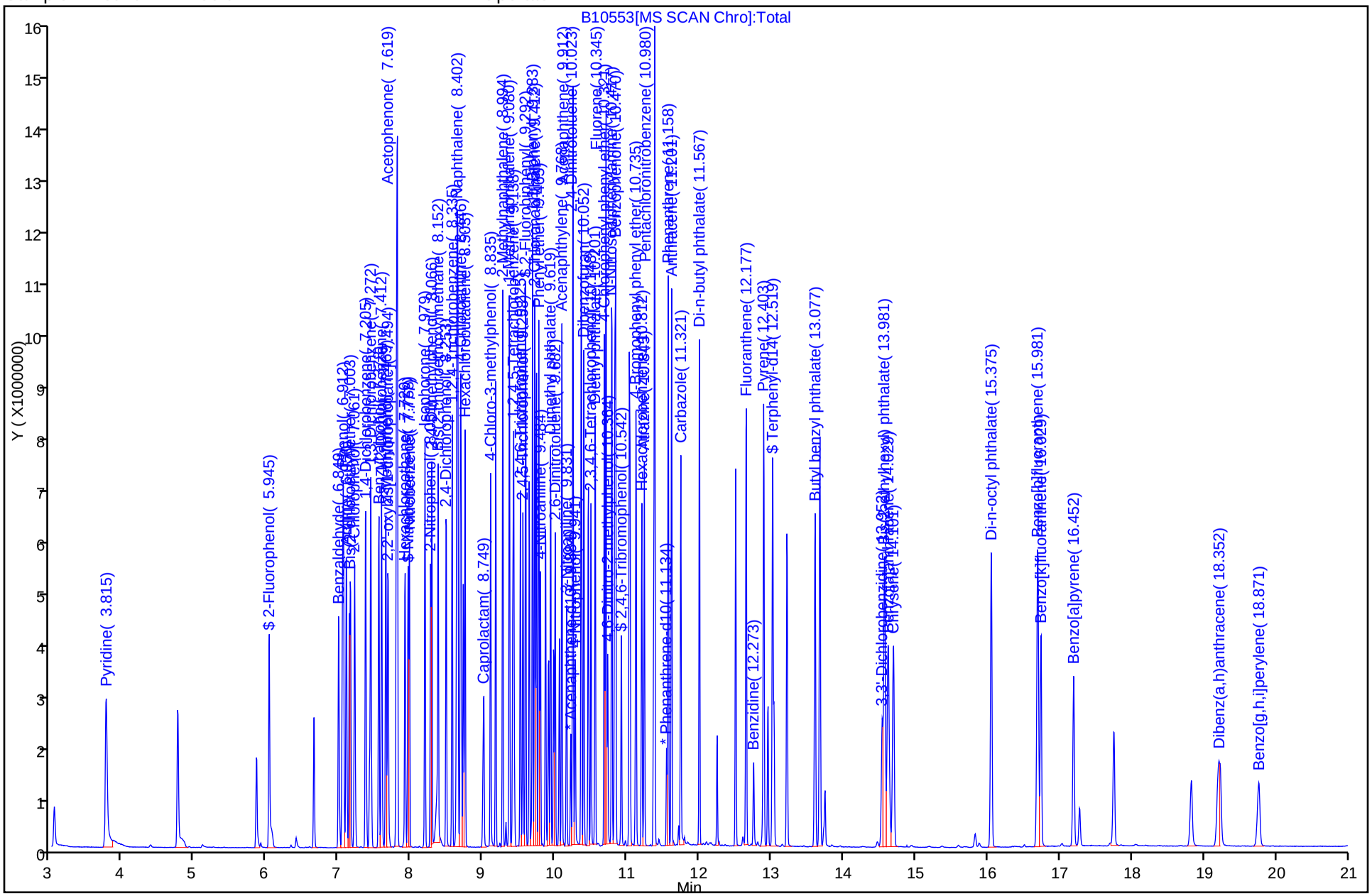
Inj Date: 25-Sep-2009 20:37:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

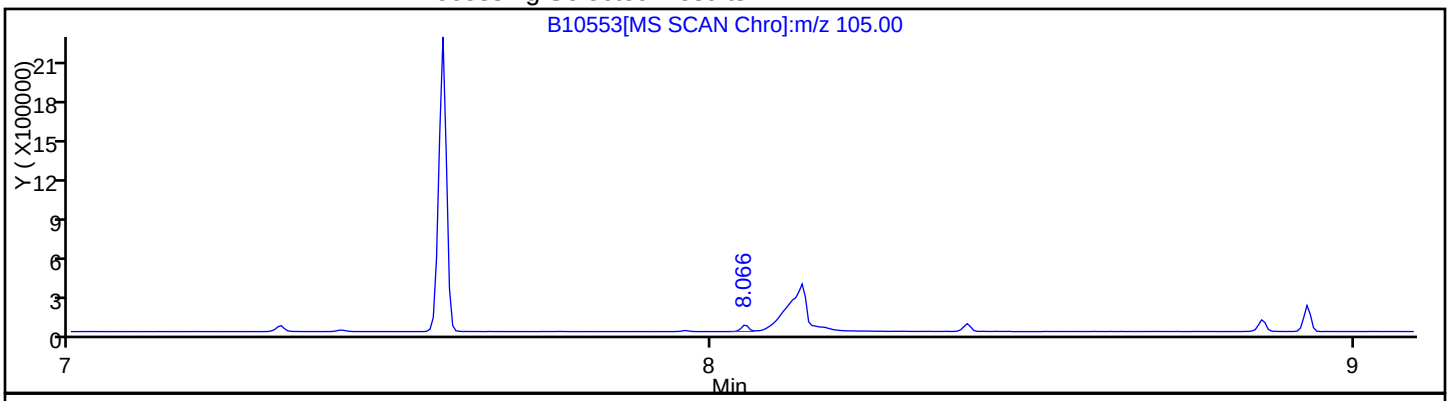


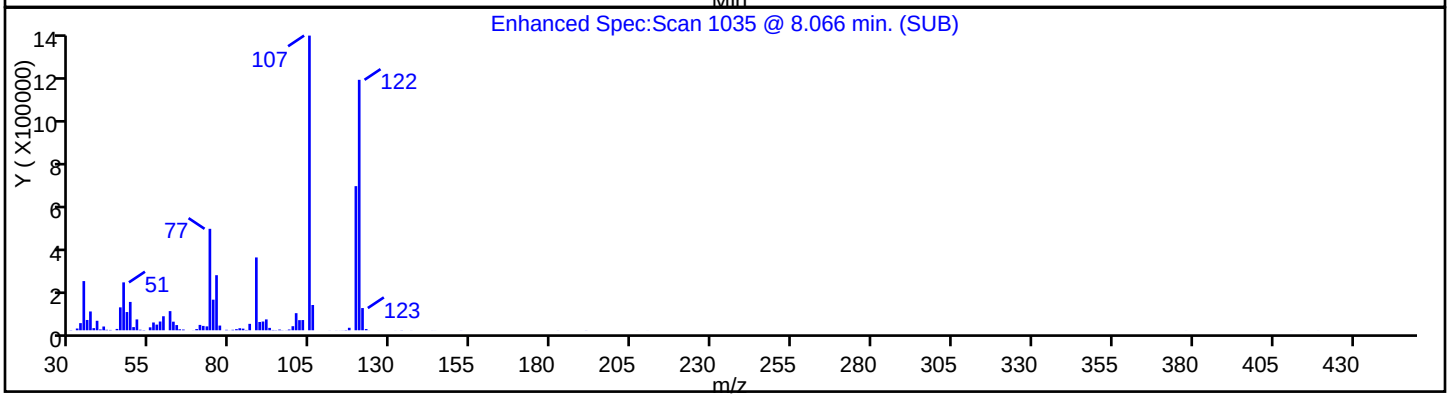
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Inj Date:	25-Sep-2009 20:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

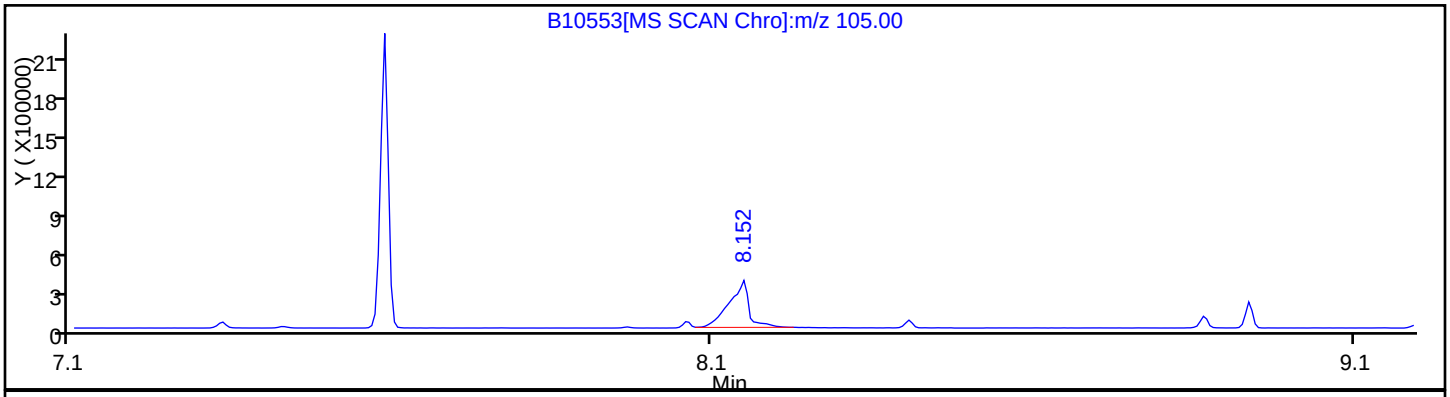
36 Benzoic acid

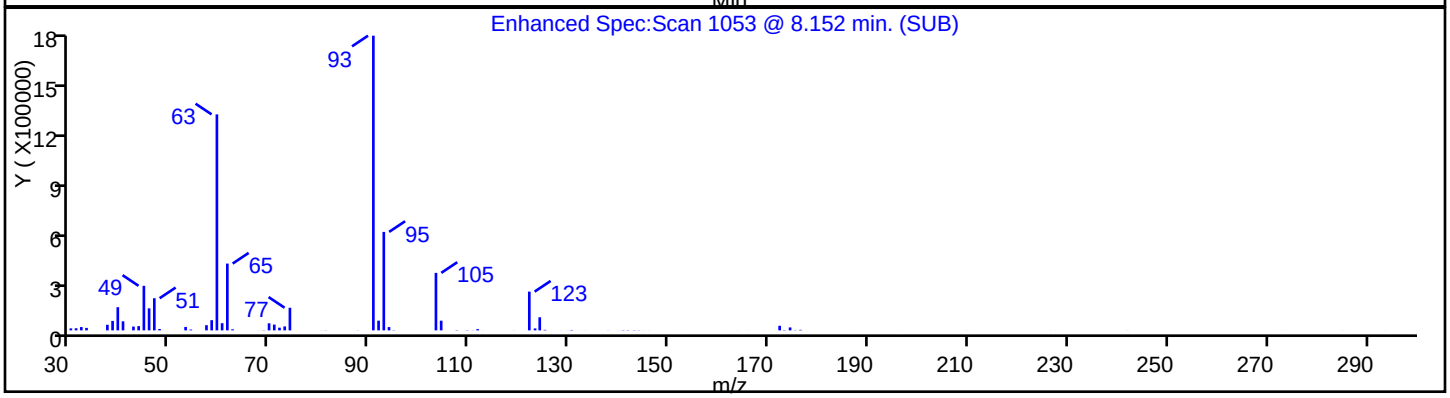
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:07:35
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Lims ID:	std20	Client ID:	
Inject. Date:	25-Sep-2009 21:05:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001300-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49509	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 20:37:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:10:11
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:21:13
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:55

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.255	7.254	0.001	353303	2.00	
* 2 Naphthalene-d8	136	8.400	8.389	0.011	1589068	2.00	
* 3 Acenaphthene-d10	164	9.885	9.879	0.006	348595	2.00	
* 4 Phenanthrene-d10	188	11.136	11.134	0.002	572096	2.00	
* 5 Chrysene-d12	240	14.055	14.044	0.011	468594	2.00	
* 6 Perylene-d12	264	16.536	16.530	0.006	277453	2.00	
$ 7 2-Fluorophenol	112	5.942	5.941	0.001	2190273	23.8	5
$ 8 Phenol-d5	99	6.909	6.898	0.011	2693547	23.1	5
$ 9 Nitrobenzene-d5	82	7.760	7.754	0.006	2562596	11.9	5
$ 10 2-Fluorobiphenyl	172	9.299	9.293	0.006	4570727	19.8	
$ 11 2,4,6-Tribromophenol	330	10.549	10.543	0.006	470606	21.3	5
$ 12 Terphenyl-d14	244	12.525	12.519	0.006	3553725	19.6	
14 1,4-Dioxane	88	3.124	3.137	-0.013	562912	20.8	5
15 N-Nitrosodimethylamine	42	3.812	3.806	0.006	1624304	23.9	5
16 Pyridine	79	3.802	3.820	-0.018	2217132	28.3	5
17 Benzaldehyde	105	6.851	6.850	0.001	1330765	20.8	5
18 Phenol	94	6.918	6.908	0.010	2792535	22.8	5
19 Aniline	93	6.957	6.946	0.011	3276597	23.0	5
20 Bis(2-chloroethyl)ether	93	7.010	7.004	0.006	2146426	22.4	5
21 2-Chlorophenol	128	7.063	7.057	0.006	2340440	22.0	5
22 1,4-Dichlorobenzene	146	7.202	7.201	0.001	2764406	21.4	5
23 1,3-Dichlorobenzene	146	7.269	7.268	0.001	2899963	21.5	5
24 Benzyl alcohol	79	7.380	7.374	0.006	2092293	24.7	5
25 1,2-Dichlorobenzene	146	7.414	7.412	0.002	2627640	20.8	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	7.471	7.465	0.006	2122652	23.0	5
27 2,2'-oxybis[1-chloropropane]	45	7.495	7.494	0.001	3692735	20.7	5
28 3 & 4 Methylphenol	108	7.611	7.600	0.011	2318682	23.9	5
29 N-Nitrosodi-n-propylamine	70	7.621	7.610	0.010	1773079	24.4	5
30 Acetophenone	105	7.621	7.614	0.006	3311229	23.3	5
31 Hexachloroethane	117	7.717	7.715	0.002	1107488	23.4	5
32 Nitrobenzene	77	7.779	7.773	0.006	2551894	12.1	5
33 Isophorone	82	7.986	7.975	0.011	4142567	12.6	5
34 2-Nitrophenol	139	8.053	8.052	0.001	1303794	14.5	
35 2,4-Dimethylphenol	107	8.073	8.066	0.007	2264505	12.2	5
36 Benzoic acid	105	8.178	8.119	0.059	1338550	12.6	5M
37 Bis(2-chloroethoxy)methane	93	8.154	8.148	0.006	2436963	11.9	5
38 2,4-Dichlorophenol	162	8.260	8.254	0.006	1921116	13.6	
39 1,2,4-Trichlorobenzene	180	8.337	8.331	0.006	2113814	20.1	5
40 Alpha-Terpineol	59	8.400	8.393	0.007	2116016	12.9	
41 Naphthalene	128	8.409	8.408	0.001	5959557	10.1	5
42 4-Chloroaniline	127	8.448	8.442	0.006	2831482	12.5	5
43 Hexachlorobutadiene	225	8.505	8.504	0.001	1167647	12.3	5
44 Caprolactam	55	8.770	8.725	0.045	1005300	14.5	5
45 4-Chloro-3-methylphenol	107	8.842	8.831	0.011	2001686	14.1	
46 2-Methylnaphthalene	142	8.996	8.995	0.001	4274103	11.0	5
47 1-Methylnaphthalene	142	9.082	9.081	0.001	4159607	11.0	5
48 Hexachlorocyclopentadiene	237	9.126	9.124	0.002	886189	21.2	5
49 1,2,4,5-Tetrachlorobenzene	216	9.140	9.134	0.006	1785194	11.6	5
50 2,4,6-Trichlorophenol	196	9.227	9.225	0.002	1246113	22.0	5
51 2,4,5-Trichlorophenol	196	9.265	9.254	0.011	1321943	20.7	5
52 1,1'-Biphenyl	154	9.390	9.379	0.011	4741316	19.5	
53 2-Chloronaphthalene	162	9.419	9.413	0.006	4759855	20.6	5
54 Phenyl ether	170	9.467	9.466	0.001	2787871	11.4	5
68 4-Nitroaniline	138	9.491	9.485	0.006	1478275	20.7	5
56 Dimethyl phthalate	163	9.626	9.615	0.011	4354025	20.7	5
57 2,6-Dinitrotoluene	165	9.683	9.677	0.006	1090209	21.4	5
58 Acenaphthylene	152	9.770	9.764	0.006	5751593	19.7	
59 3-Nitroaniline	138	9.837	9.826	0.011	1060506	20.5	5
61 Acenaphthene	153	9.914	9.908	0.006	4135817	20.4	5
60 2,4-Dinitrophenol	184	9.919	9.913	0.006	550849	19.9	
62 4-Nitrophenol	109	9.948	9.937	0.011	681629	21.1	5
63 2,4-Dinitrotoluene	165	10.025	10.019	0.006	1497071	20.8	5
64 Dibenzofuran	168	10.059	10.052	0.007	5108455	19.4	
65 2,3,4,6-Tetrachlorophenol	232	10.150	10.144	0.006	947150	20.7	5
66 Diethyl phthalate	149	10.208	10.202	0.006	4489028	20.3	5
67 4-Chlorophenyl phenyl ether	204	10.323	10.322	0.001	2118281	21.1	5
69 Fluorene	166	10.347	10.341	0.006	4562933	21.0	5
55 2-Nitroaniline	65	10.352	10.341	0.011	1306478	20.0	
70 4,6-Dinitro-2-methylphenol	198	10.371	10.360	0.011	674656	20.4	5
71 Diphenylamine	169	10.424	10.418	0.006	3911351	21.3	5
72 N-Nitrosodiphenylamine	169	10.424	10.418	0.006	3911351	21.3	5
74 Azobenzene	77	10.463	10.456	0.006	7276951	21.0	5
73 1,2-Diphenylhydrazine	77	10.463	10.456	0.006	7276951	21.0	5
13 Benzophenone	105	10.472	10.466	0.006	4536922	22.4	5
75 4-Bromophenyl phenyl ether	248	10.741	10.735	0.006	1115762	21.8	5
76 Hexachlorobenzene	284	10.814	10.807	0.007	1026774	21.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
77 Atrazine	200	10.852	10.841	0.011	1126516	22.2	5
78 Pentachlorophenol	266	10.972	10.970	0.002	637333	20.0	
79 Pentachloronitrobenzene	237	10.982	10.976	0.006	567268	20.7	5
80 Phenanthrene	178	11.160	11.154	0.006	5522586	19.2	
81 Anthracene	178	11.203	11.197	0.006	5507107	20.3	5
83 Carbazole	167	11.323	11.317	0.006	4530354	20.0	
84 Di-n-butyl phthalate	149	11.569	11.562	0.007	6218741	17.6	
87 Fluoranthene	202	12.179	12.173	0.006	5359673	20.8	5
86 Benzidine	184	12.275	12.278	-0.003	1401082	20.0	
85 Pyrene	202	12.410	12.399	0.011	5660141	18.5	
89 Butyl benzyl phthalate	149	13.079	13.072	0.006	3126669	22.6	5
91 3,3'-Dichlorobenzidine	252	13.959	13.948	0.010	1308885	20.7	5
92 Bis(2-ethylhexyl) phthalate	149	13.987	13.981	0.006	4417840	20.1	5
93 Benzo[a]anthracene	228	14.035	14.025	0.010	4233849	20.4	5
94 Chrysene	228	14.108	14.092	0.016	3959532	20.1	5
95 Di-n-octyl phthalate	149	15.382	15.376	0.006	6482082	20.6	5
97 Benzo[b]fluoranthene	252	15.997	15.982	0.015	3790042	23.8	5
98 Benzo[k]fluoranthene	252	16.036	16.020	0.016	3306664	22.7	5
99 Benzo[a]pyrene	252	16.459	16.448	0.011	2735289	21.1	5
100 Indeno[1,2,3-cd]pyrene	276	18.349	18.333	0.016	1856809	20.2	5
101 Dibenz(a,h)anthracene	278	18.378	18.367	0.011	1525021	20.7	5
102 Benzo[g,h,i]perylene	276	18.883	18.867	0.016	1486622	19.7	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D

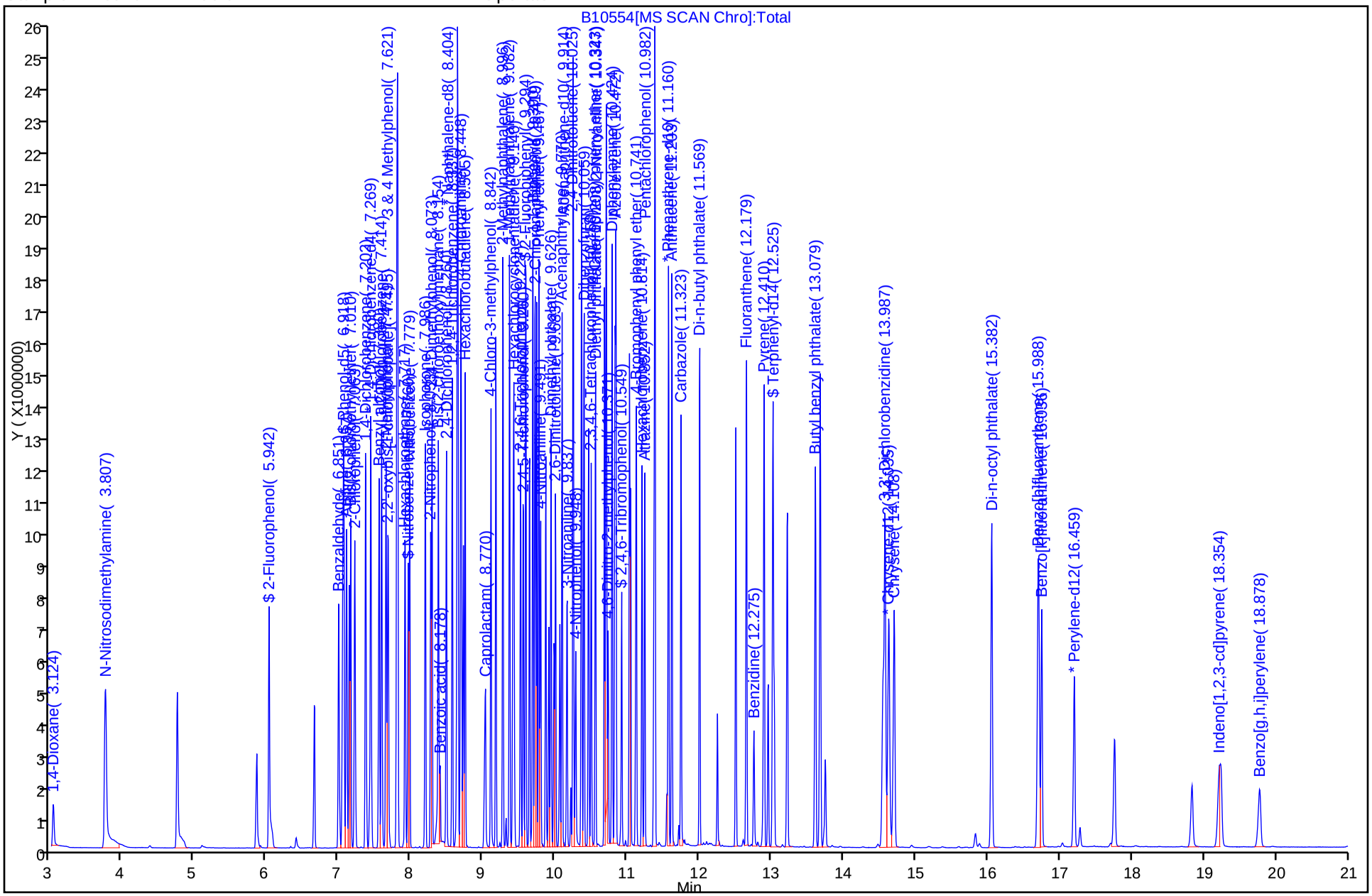
Inj Date: 25-Sep-2009 21:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

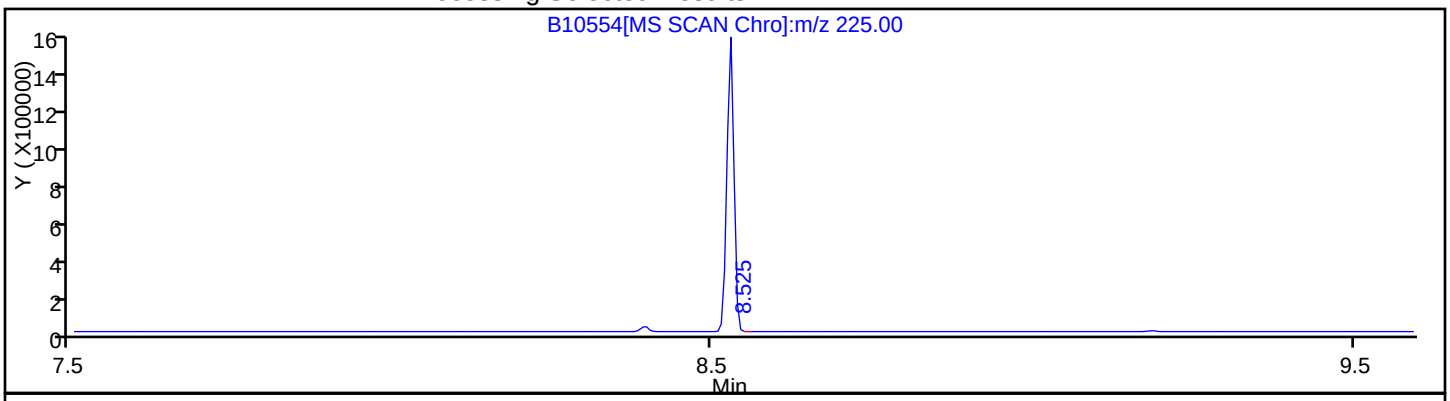


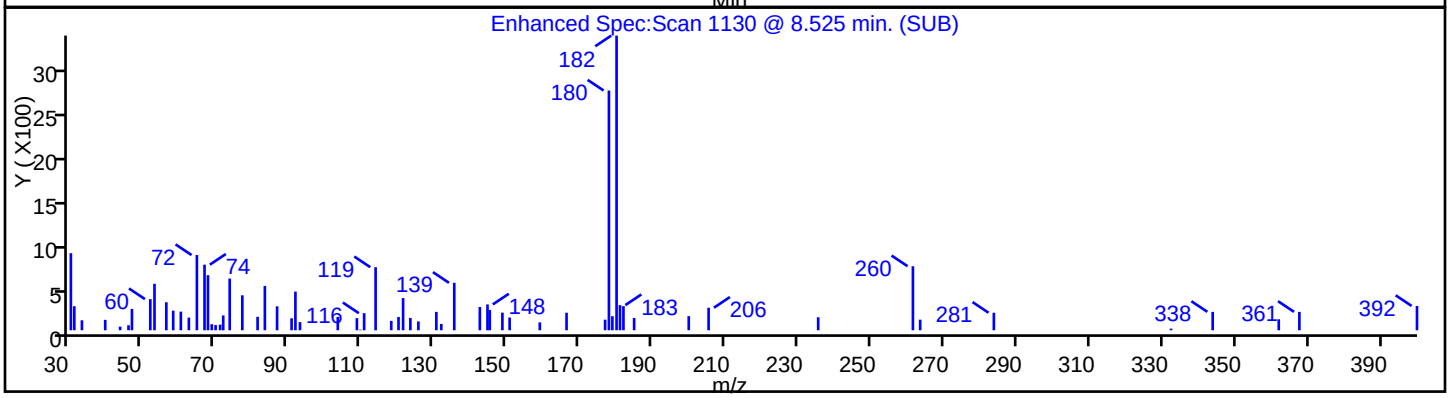
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

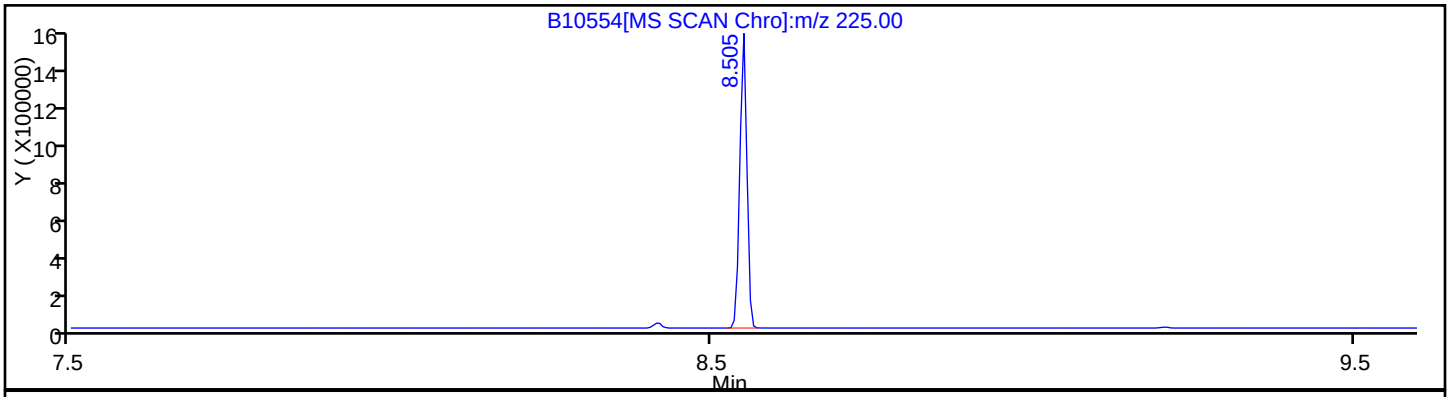
43 Hexachlorobutadiene

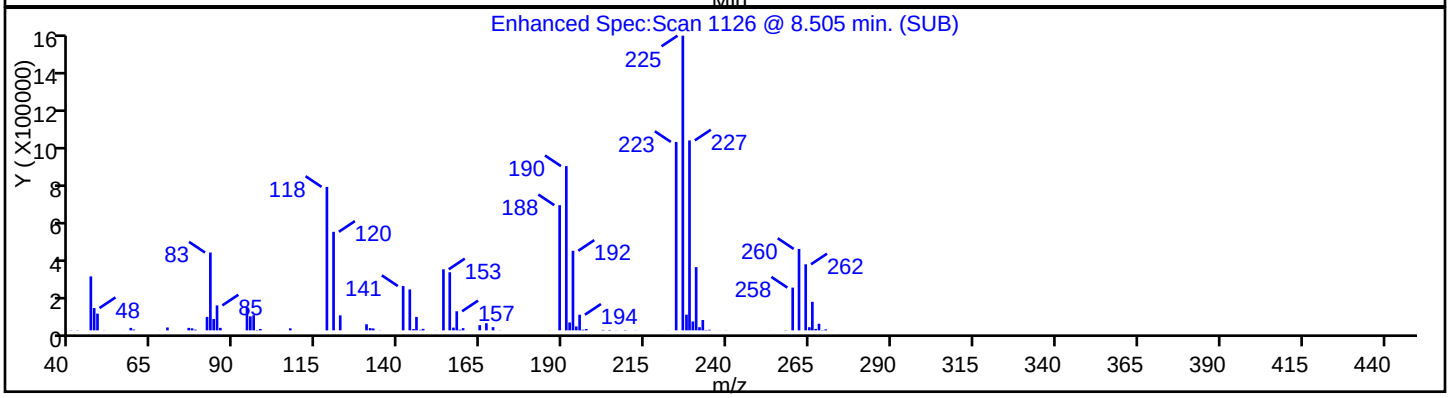
Processing Selected Results





Manual Selected Results





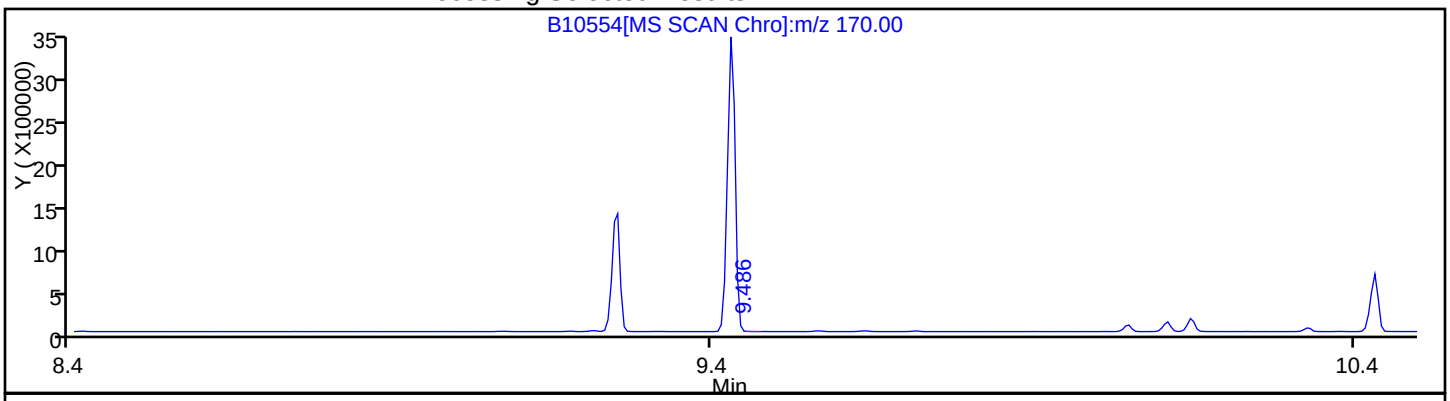
Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

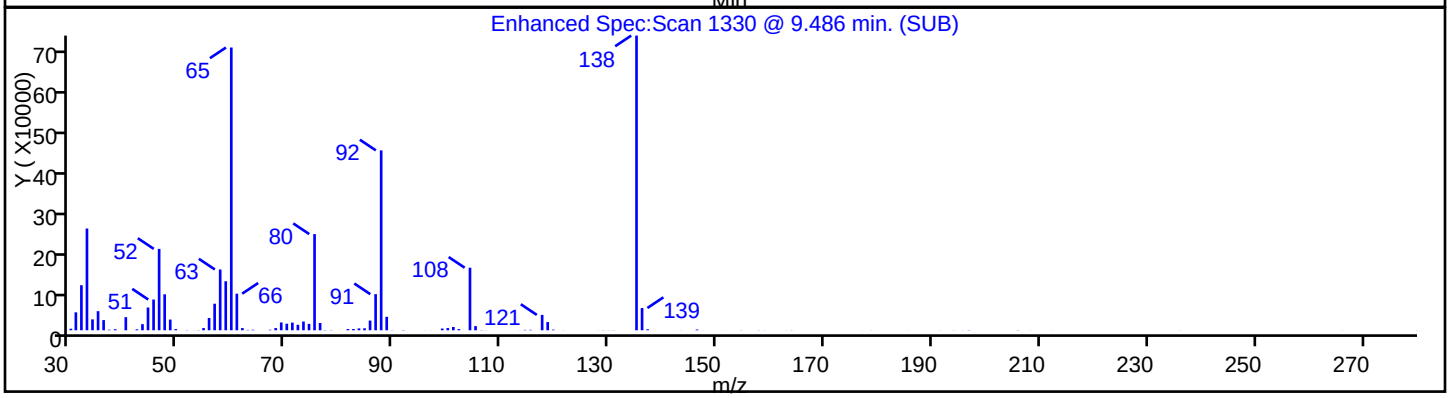
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

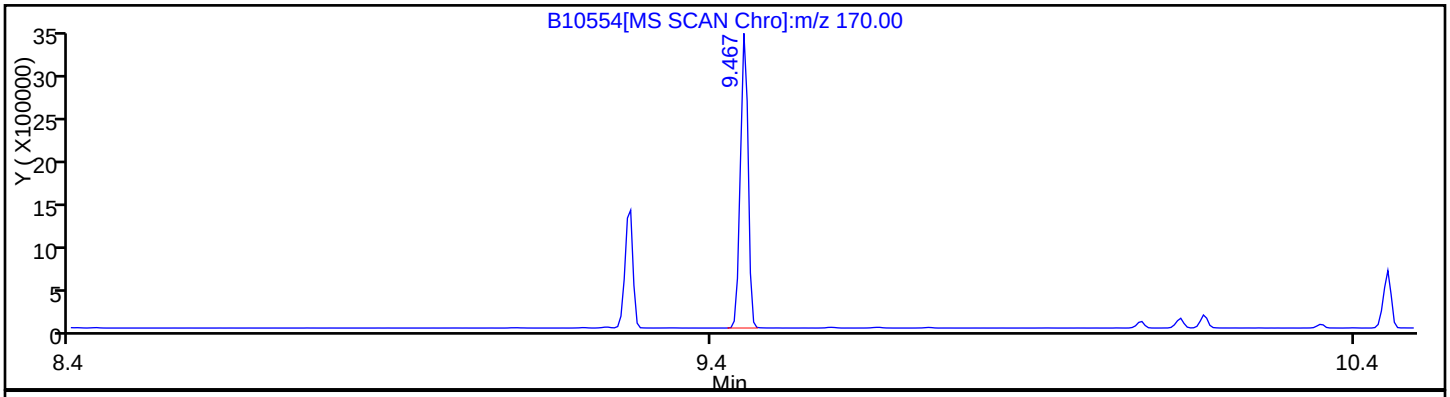
54 Phenyl ether

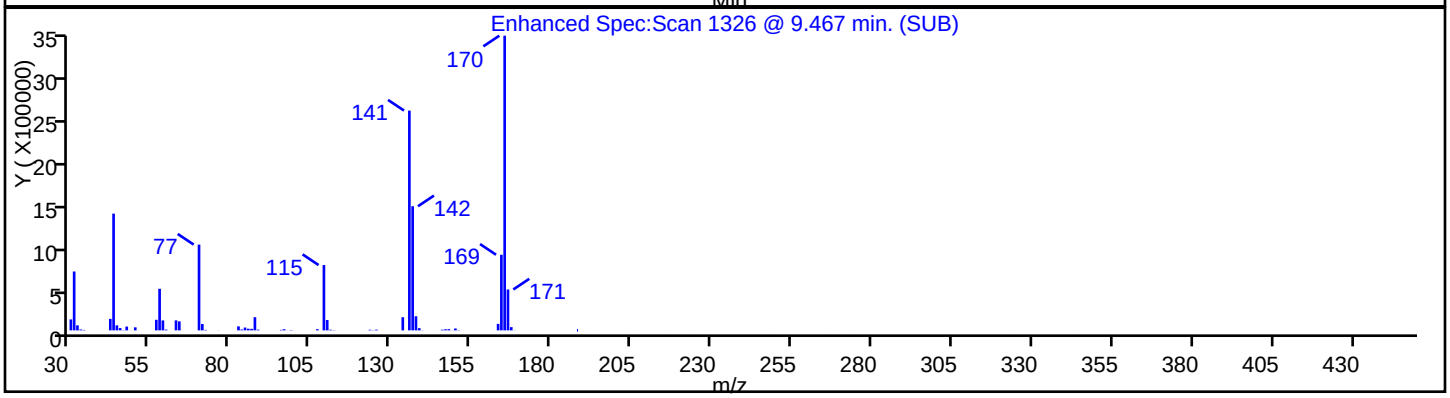
Processing Selected Results





Manual Selected Results





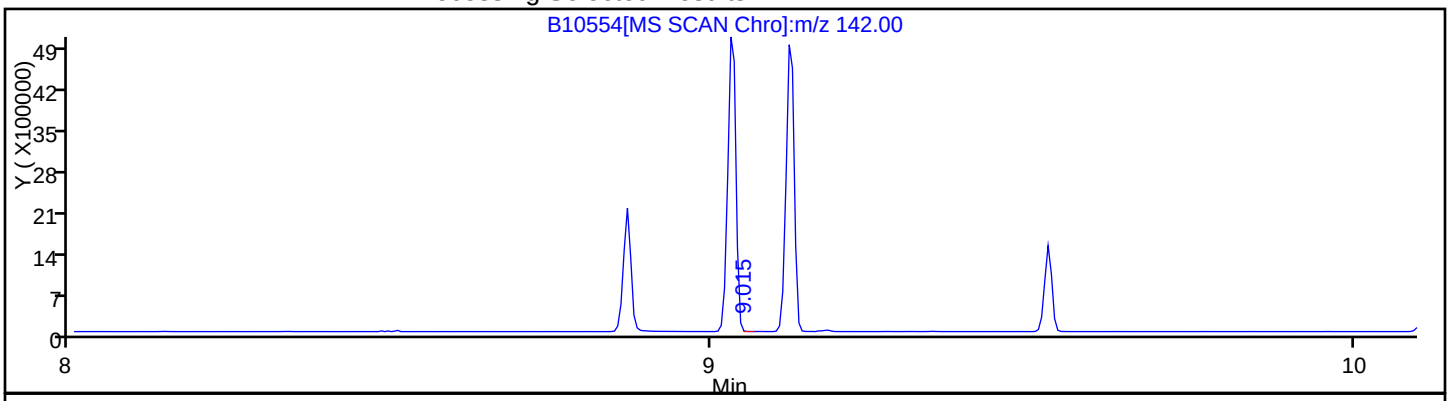
Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

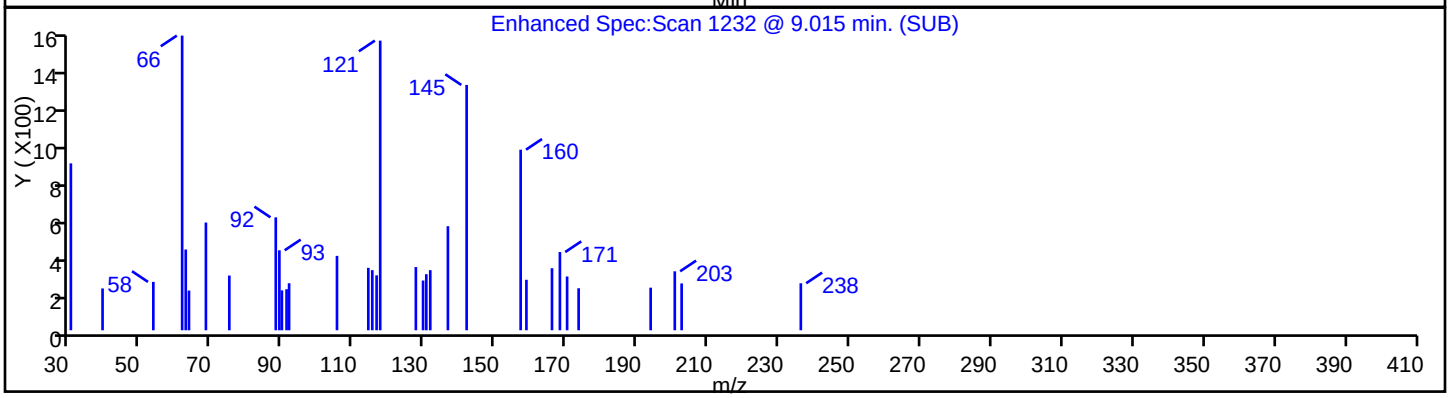
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

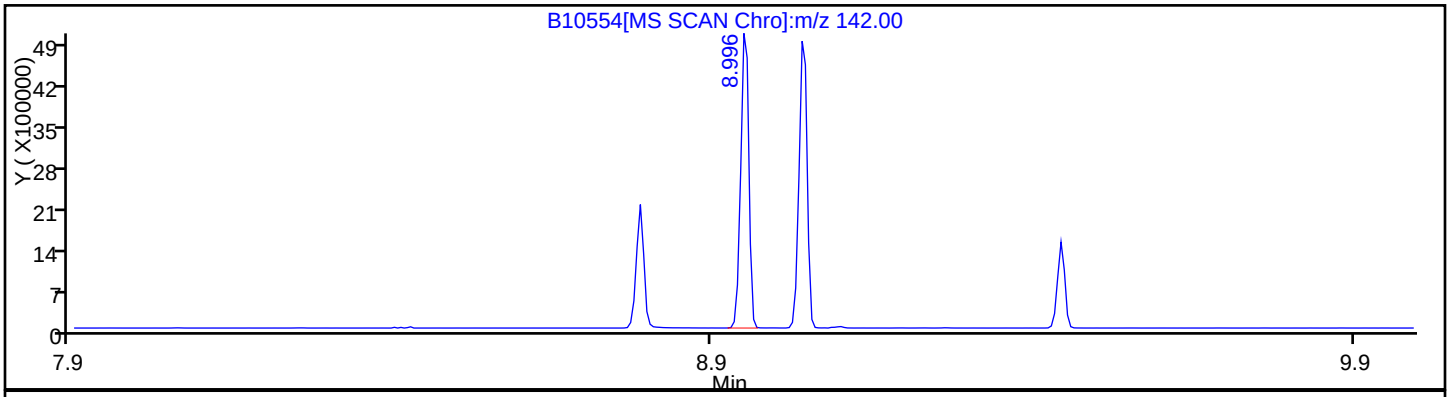
46 2-Methylnaphthalene

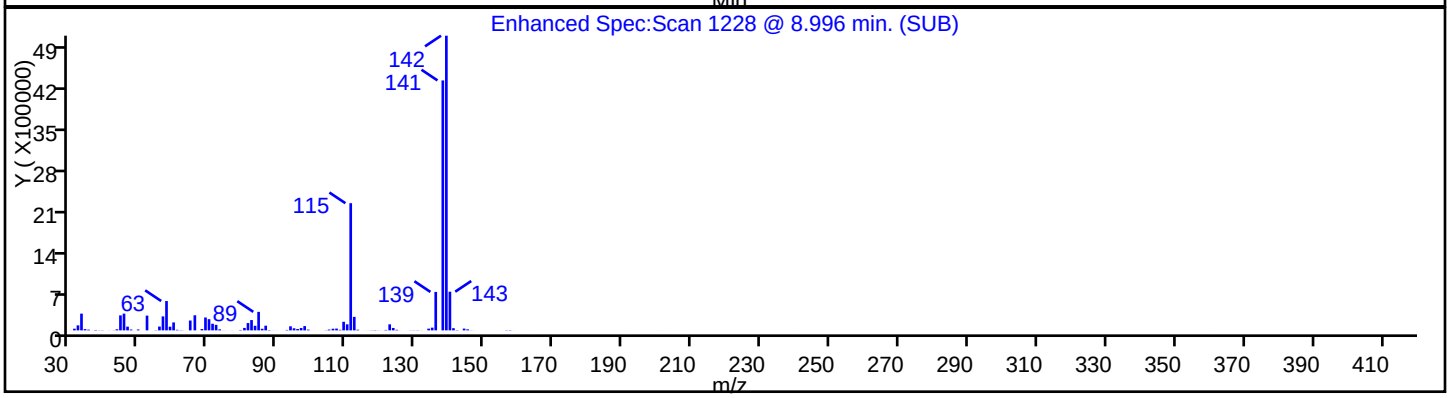
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

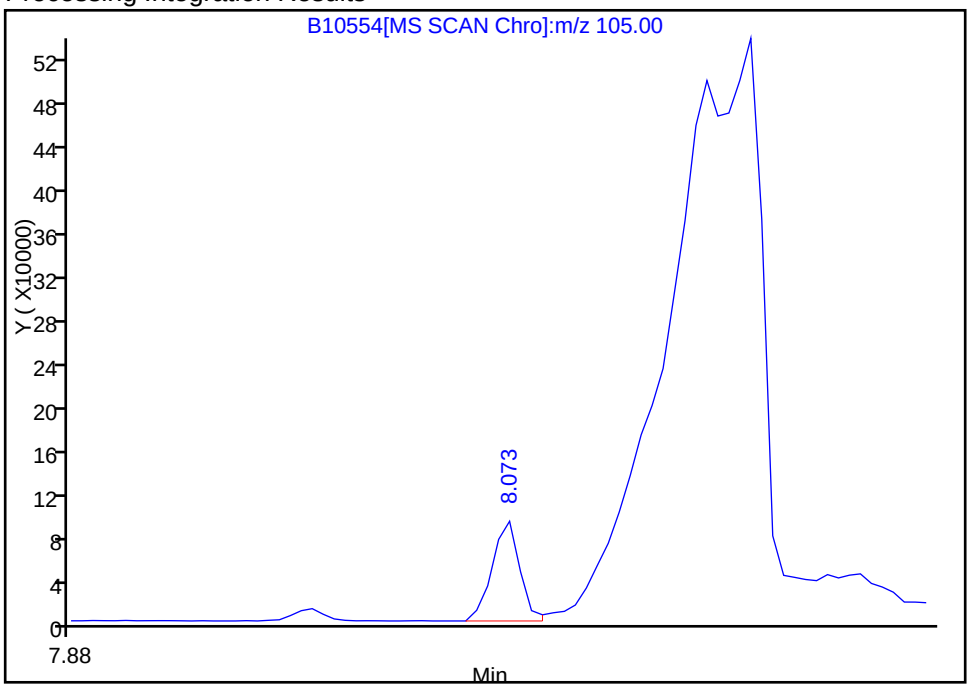
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.12

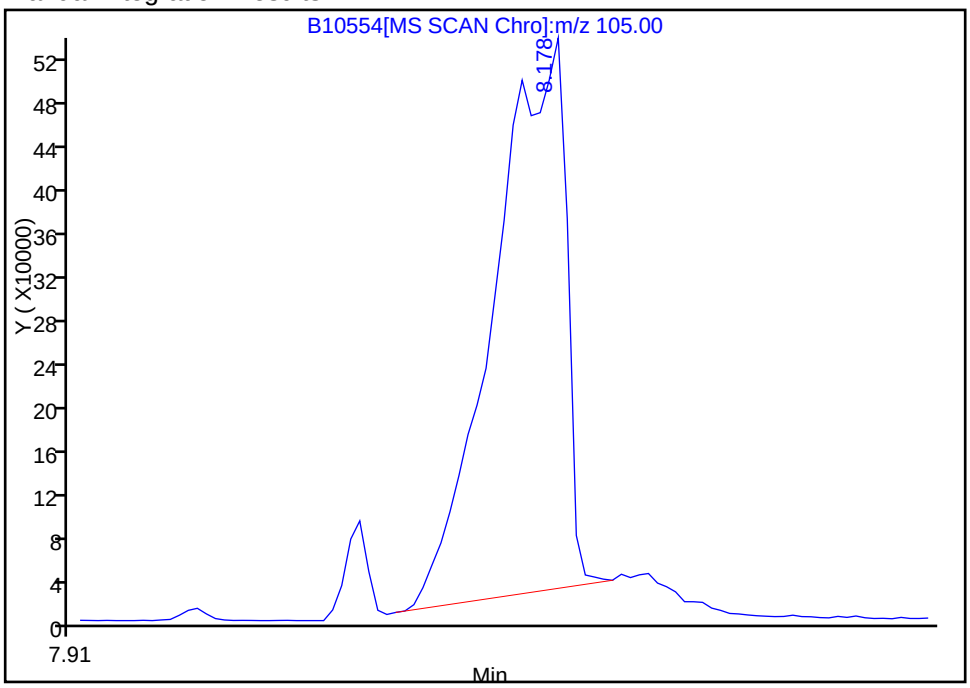
Processing Integration Results

RT: 8.07
Response: 77455
Amount: 1.822648



Manual Integration Results

RT: 8.18
Response: 1338550
Amount: 12.639034



Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 360-49685/2	B10621.D
Level 2	STD01 360-49685/3	B10622.D
Level 3	STD025 360-49685/4	B10623.D
Level 4	STD05 360-49685/5	B10624.D
Level 5	STD1 360-49685/6	B10625.D
Level 6	STD25 360-49685/7	B10626.D
Level 7	STD8 360-49685/8	B10627.D
Level 8	STD10 360-49685/9	B10628.D
Level 9	STD20 360-49685/10	B10629.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								
Pyridine	0.4185 0.2162	0 0.5866	0.0123 0.6946	0.0362 2.0015	0.0851	Qua	0.1752	0.2460	0.0121						0.9950		0.9900
N-Nitrosodimethylamine	0.3464 0.1996	0.0079 0.5048	0.0196 0.6383	0.0395 1.6934	0.0816	Ave		0.3772				11.0		15.0			
Benzoic acid	0.0902 0.0372	0 0.2128	0 0.3315	0.0016 0.7035	0.0058	Qua	-0.138	0.1392	0.0022						0.9930		0.9900
Benzaldehyde	0.3088 0.1705	0.0071 0.4443	0.0159 0.5196	0.0337 1.3215	0.0705	Ave		0.3200				10.0		15.0			
Phenol	0.6683 0.3535	0.0153 0.9131	0.0316 1.1390	0.0662 3.1511	0.1457	Ave		0.6766				11.0		15.0			
Aniline	0.7289 0.3914	0.0159 1.0574	0.0358 1.2498	0.0767 3.5656	0.1600	Ave		0.7521				11.0		15.0			
Bis(2-chloroethyl)ether	0.4658 0.2525	0.0115 0.6628	0.0262 0.7903	0.0510 2.2121	0.1056	Ave		0.4968				12.0		15.0			
2-Chlorophenol	0.5370 0.2899	0.0123 0.7785	0.0300 0.9271	0.0588 2.5486	0.1200	Ave		0.5674				10.0		15.0			
1,4-Dichlorobenzene	0.6406 0.3450	0.0157 0.9155	0.0365 1.0922	0.0728 3.0166	0.1416	Ave		0.6838				12.0		15.0			
1,3-Dichlorobenzene	0.6608 0.3560	0.0153 0.9586	0.0373 1.1320	0.0749 3.1035	0.1524	Ave		0.7042				11.0		15.0			
Benzyl alcohol	0.4826 0.2531	0.0083 0.6945	0.0216 0.8352	0.0462 2.3732	0.1007	Ave		0.4717				12.0		15.0			
1,2-Dichlorobenzene	0.6071 0.3213	0.0149 0.8717	0.0352 1.0301	0.0709 2.8819	0.1357	Ave		0.6516				12.0		15.0			
2-Methylphenol	0.4882 0.2565	0.0100 0.6952	0.0232 0.8316	0.0496 2.3326	0.1052	Ave		0.4910				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

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								
2,2'-oxybis[1-chloropropane]	0.8860 0.4791	0.0205 1.2490	0.0504 1.4782	0.1002 3.9413	0.2026	Ave		0.9330				11.0		15.0			
3 & 4 Methylphenol	0.5415 0.2772	0.0100 0.7977	0.0248 0.9678	0.0533 2.7590	0.1102	Ave		0.5390				12.0		15.0			
Acetophenone	0.7780 0.3934	0.0148 1.1464	0.0373 1.3875	0.0786 3.6704	0.1595	Ave		0.7735				8.3		15.0			
N-Nitrosodi-n-propylamine	0.4054 0.2062	0.0065 0.6000	0.0183 0.7358	0.0413 1.9929	0.0817	Ave		0.3967			0.0500	12.0		15.0			
Hexachloroethane	0.2498 0.1330	0.0060 0.3622	0.0139 0.4365	0.0270 1.2517	0.0555	Ave		0.2663				12.0		15.0			
Nitrobenzene	0.2891 0.1298	0.0054 0.4783	0.0130 0.5916	0.0261 1.1157	0.0540	Ave		0.2760				5.6		15.0			
2,4-Dinitrophenol	0.0787 0.0373	0 0.1688	0 0.2289	0.0026 0.5346	0.0092	Lin	-0.164	0.1372			0.0500				0.9900		0.9900
Isophorone	0.4751 0.2140	0.0077 0.7930	0.0194 0.9874	0.0437 1.7665	0.0875	Ave		0.4427				9.0		15.0			
2-Nitrophenol	0.1396 0.0644	0.0024 0.2374	0.0050 0.2940	0.0119 0.5731	0.0261	Ave		0.1305				12.0		15.0			
2,4-Dimethylphenol	0.2498 0.1118	0.0046 0.4171	0.0109 0.5271	0.0231 1.0202	0.0477	Ave		0.2412				6.9		15.0			
Bis(2-chloroethoxy)methane	0.2684 0.1199	0.0051 0.4461	0.0130 0.5564	0.0258 1.0534	0.0501	Ave		0.2614				4.8		15.0			
2,4-Dichlorophenol	0.2145 0.0938	0.0039 0.3524	0.0088 0.4494	0.0182 0.8574	0.0389	Ave		0.2009				8.9		15.0			
1,2,4-Trichlorobenzene	0.2401 0.1076	0.0048 0.3981	0.0108 0.4904	0.0243 0.9517	0.0464	Ave		0.2352				5.2		15.0			
Alpha-Terpineol	0.2593 0.1119	0.0043 0.4314	0.0099 0.5375	0.0212 0.9559	0.0455	Ave		0.2347				11.0		15.0			
Naphthalene	0.8031 0.3560	0.0164 1.3062	0.0369 1.5765	0.0759 2.3214	0.1516	Ave		0.7529				9.9		15.0			
4-Chloroaniline	0.2931 0.1331	0.0047 0.5233	0.0132 0.6435	0.0267 1.2393	0.0561	Ave		0.2851				11.0		15.0			
Hexachlorobutadiene	0.1269 0.0569	0.0023 0.2123	0.0059 0.2625	0.0124 0.5333	0.0244	Ave		0.1240				6.2		15.0			
Pentachlorophenol	0.0756 0.0330	0 0.1341	0 0.1816	0.0032 0.4155	0.0091	Lin	-0.102	0.1059							0.9940		0.9900
Caprolactam	0.1128 0.0530	0.0025 0.1925	0.0054 0.2390	0.0083 0.4622	0.0223	Ave		0.1113				11.0		15.0			
4-Chloro-3-methylphenol	0.2310 0.1023	0.0037 0.3791	0.0092 0.4801	0.0201 0.9418	0.0400	Ave		0.2131				11.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

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	0.1534 0.0731	0 0.2706	0.0035 0.3518	0.0095 0.7304	0.0270	Lin2	-0.027	0.1677			0.0500				0.9920		0.9900
2-Methylnaphthalene	0.5370 0.2386	0.0099 0.8899	0.0254 1.0880	0.0515 1.8587	0.0987	Ave		0.5100				6.1		15.0			
1-Methylnaphthalene	0.5233 0.2367	0.0105 0.8665	0.0245 1.0656	0.0490 1.8116	0.0988	Ave		0.5024				5.9		15.0			
Hexachlorocyclopentadiene	0.1716 0.0964	0.0026 0.3266	0.0067 0.4035	0.0131 0.8601	0.0349	Lin1	-0.016	0.2054			0.0500				0.9950		0.9900
1,2,4,5-Tetrachlorobenzene	0.2097 0.0939	0.0045 0.3498	0.0099 0.4364	0.0202 0.8578	0.0396	Ave		0.2078				5.8		15.0			
2,4,6-Trichlorophenol	0.2922 0.1429	0.0045 0.4848	0.0122 0.6084	0.0256 1.2485	0.0523	Ave		0.2758				11.0		15.0			
4,6-Dinitro-2-methylphenol	0.0756 0.0386	0 0.1499	0.0014 0.1957	0.0042 0.4153	0.0117	Lin1	-0.027	0.0991							0.9920		0.9900
2,4,5-Trichlorophenol	0.3230 0.1494	0.0045 0.5104	0.0112 0.6380	0.0270 1.3129	0.0553	Ave		0.2868				14.0		15.0			
1,1'-Biphenyl	1.2852 0.6209	0.0257 2.0501	0.0579 2.5191	0.1221 4.1607	0.2455	Ave		1.2221				6.5		15.0			
2-Chloronaphthalene	1.2230 0.5683	0.0253 2.0801	0.0544 2.5966	0.1141 4.7142	0.2213	Ave		1.1930				6.9		15.0			
Phenyl ether	0.3264 0.1466	0.0062 0.5425	0.0154 0.6765	0.0317 1.2725	0.0617	Ave		0.3178				4.7		15.0			
4-Nitroaniline	0.3589 0.1660	0.0047 0.5724	0.0115 0.7225	0.0265 1.4492	0.0587	Lin1	-0.025	0.3607							0.9990		0.9900
Benzidine	0.0798 0.0379	0 0.1922	0 0.2666	0.0037 0.7064	0.0107	Qua	-0.053	0.0872	0.0046						0.9990		0.9900
Dimethyl phthalate	1.1700 0.5653	0.0209 1.8793	0.0536 2.3174	0.1102 4.1809	0.2202	Ave		1.1106				4.6		15.0			
2,6-Dinitrotoluene	0.2639 0.1289	0.0038 0.4255	0.0109 0.5467	0.0233 1.0852	0.0496	Ave		0.2471				11.0		15.0			
Acenaphthylene	1.6355 0.7695	0.0292 2.5940	0.0706 3.1458	0.1511 4.9184	0.3074	Ave		1.5019				8.3		15.0			
3-Nitroaniline	0.2302 0.1197	0.0033 0.3995	0.0097 0.5047	0.0221 1.0448	0.0490	Ave		0.2288				13.0		15.0			
Acenaphthene	1.0926 0.5130	0.0208 1.7516	0.0477 2.1762	0.1018 3.7680	0.2039	Ave		1.0302				5.5		15.0			
2,4-Dinitrotoluene	0.3542 0.1644	0.0037 0.5891	0.0121 0.7455	0.0264 1.4795	0.0613	Lin2	-0.019	0.3471							0.9920		0.9900
Dibenzofuran	1.4154 0.6834	0.0263 2.2557	0.0669 2.7717	0.1325 4.5336	0.2716	Ave		1.3387				6.3		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

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								
2,3,4,6-Tetrachlorophenol	0.2262 0.1070	0.0019 0.3715	0.0070 0.4846	0.0173 1.0139	0.0373	Lin2	-0.015	0.2251							0.9900		0.9900
Diethyl phthalate	1.2497 0.5901	0.0261 1.9965	0.0562 2.4856	0.1146 4.2426	0.2334	Ave		1.1913				6.4		15.0			
4-Chlorophenyl phenyl ether	0.5261 0.2486	0.0106 0.8489	0.0245 1.0692	0.0489 2.1858	0.0993	Ave		0.5157				4.3		15.0			
Fluorene	1.2277 0.5753	0.0227 1.9968	0.0511 2.4754	0.1090 4.3377	0.2216	Ave		1.1449				6.9		15.0			
2-Nitroaniline	0.1865 0.1490	0.0047 0.4066	0.0118 0.5403	0.0276 1.1856	0.0582	Ave		0.2604				14.0		15.0			
Diphenylamine	0.5882 0.2821	0.0108 0.9533	0.0273 1.2000	0.0536 2.1683	0.1089	Ave		0.5620				4.6		15.0			
N-Nitrosodiphenylamine	0.5882 0.2821	0.0108 0.9533	0.0273 1.2000	0.0536 2.1683	0.1089	Ave		0.5620				4.6		15.0			
1,2-Diphenylhydrazine	1.2188 0.5650	0.0185 1.9177	0.0523 2.4217	0.1062 3.9977	0.2181	Ave		1.0977				9.3		15.0			
Azobenzene	1.2188 0.5650	0.0185 1.9177	0.0523 2.4217	0.1062 3.9977	0.2181	Ave		1.0977				9.3		15.0			
Benzophenone	0.6908 0.3205	0.0112 1.1120	0.0293 1.4217	0.0586 2.5034	0.1242	Ave		0.6348				8.6		15.0			
4-Bromophenyl phenyl ether	0.1639 0.0776	0.0030 0.2605	0.0070 0.3440	0.0154 0.7226	0.0305	Ave		0.1588				7.9		15.0			
Hexachlorobenzene	0.1552 0.0738	0.0031 0.2499	0.0073 0.3172	0.0140 0.6860	0.0290	Ave		0.1527				6.0		15.0			
Atrazine	0.1676 0.0811	0.0025 0.2718	0.0063 0.3451	0.0157 0.6735	0.0317	Ave		0.1567				11.0		15.0			
Pentachloronitrobenzene	0.0839 0.0370	0.0009 0.1357	0.0029 0.1742	0.0060 0.3682	0.0139	Lin1	-0.008	0.0884							0.9970		0.9900
Phenanthrene	0.9349 0.4457	0.0197 1.4694	0.0444 1.8360	0.0886 2.8699	0.1775	Ave		0.8918				8.1		15.0			
Anthracene	0.9090 0.4338	0.0164 1.4524	0.0388 1.8230	0.0829 2.8306	0.1696	Ave		0.8419				8.1		15.0			
Carbazole	0.6618 0.3439	0.0143 1.0666	0.0334 1.3125	0.0709 2.4652	0.1482	Ave		0.6804				5.5		15.0			
Di-n-butyl phthalate	1.1559 0.5546	0.0244 1.7770	0.0545 2.1611	0.1055 3.0719	0.2156	Ave		1.0740				12.0		15.0			
Fluoranthene	0.8574 0.4118	0.0153 1.3515	0.0354 1.7231	0.0750 2.7659	0.1621	Ave		0.7902				8.1		15.0			
Pyrene	1.3594 0.6142	0.0258 2.0035	0.0699 2.4166	0.1349 3.8132	0.2650	Ave		1.2624				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

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								
Butyl benzyl phthalate	0.7269 0.3185	0.0115 1.0853	0.0296 1.3517	0.0648 2.5269	0.1241	Ave		0.6425				7.3		15.0			
3,3'-Dichlorobenzidine	0.1958 0.1043	0.0022 0.3399	0.0068 0.4182	0.0160 0.8766	0.0397	Lin2	-0.011	0.2049							0.9930		0.9900
Bis(2-ethylhexyl) phthalate	1.1793 0.4981	0.0241 1.7406	0.0609 2.1550	0.0970 3.8915	0.1954	Ave		1.0757				9.6		15.0			
Benzo[a]anthracene	0.8579 0.4062	0.0166 1.3476	0.0389 1.6803	0.0840 3.3655	0.1629	Ave		0.8287				2.9		15.0			
Chrysene	0.7450 0.3655	0.0164 1.1864	0.0382 1.4750	0.0803 2.8412	0.1484	Ave		0.7550				4.7		15.0			
Di-n-octyl phthalate	2.3859 0.9027	0.0190 3.5840	0.0506 4.7538	0.1285 9.7476	0.2968	Lin1	-0.297	2.3658							0.9940		0.9900
Benzo[b]fluoranthene	1.0736 0.5149	0.0196 1.7165	0.0431 2.2486	0.0962 4.7314	0.1925	Ave		1.0277				9.5		15.0			
Benzo[k]fluoranthene	0.9635 0.4434	0.0143 1.6073	0.0360 1.9948	0.0798 3.9391	0.1675	Ave		0.8786				13.0		15.0			
Benzo[a]pyrene	0.7693 0.3571	0.0099 1.2844	0.0247 1.6019	0.0585 3.2537	0.1283	Lin1	-0.062	0.8024							0.9980		0.9900
Indeno[1,2,3-cd]pyrene	0.5460 0.2521	0.0081 0.8750	0.0194 0.9865	0.0378 2.1331	0.0863	Ave		0.4696				15.0		15.0			
Dibenz(a,h)anthracene	0.4217 0.1900	0.0062 0.6880	0.0139 0.7774	0.0275 1.7219	0.0644	Lin1	-0.030	0.4186							0.9960		0.9900
Benzo[g,h,i]perylene	0.4582 0.2205	0.0091 0.7367	0.0209 0.8053	0.0406 1.7233	0.0832	Ave		0.4321				5.3		15.0			
2-Fluorophenol	0.5012 0.2462	0.0097 0.6215	0.0245 0.8503	0.0452 2.1016	0.1075	Ave		0.4773				10.0		15.0			
Phenol-d5	0.6096 0.3228	0.0130 0.8637	0.0310 1.0234	0.0648 2.8818	0.1277	Ave		0.6203				10.0		15.0			
Nitrobenzene-d5	0.2908 0.1299	0.0055 0.4859	0.0127 0.6057	0.0261 1.1330	0.0536	Ave		0.2773				6.8		15.0			
2-Fluorobiphenyl	1.1957 0.5793	0.0228 1.9357	0.0538 2.3831	0.1158 4.0821	0.2260	Ave		1.1423				5.3		15.0			
2,4,6-Tribromophenol	0.0624 0.0300	0.0009 0.1060	0.0022 0.1367	0.0048 0.3125	0.0108	Lin1	-0.007	0.0716							0.9910		0.9900
Terphenyl-d14	0.7836 0.3555	0.0157 1.1925	0.0409 1.4853	0.0786 2.7738	0.1521	Ave		0.7586				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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 360-49685/2	B10621.D
Level 2	STD01 360-49685/3	B10622.D
Level 3	STD025 360-49685/4	B10623.D
Level 4	STD05 360-49685/5	B10624.D
Level 5	STD1 360-49685/6	B10625.D
Level 6	STD25 360-49685/7	B10626.D
Level 7	STD8 360-49685/8	B10627.D
Level 8	STD10 360-49685/9	B10628.D
Level 9	STD20 360-49685/10	B10629.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Pyridine	DCB	Qua	605120 283510	0 902461	14700 1126732	42123 2511294	105823	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
N-Nitrosodimethylamine	DCB	Ave	500820 261685	9053 776699	23374 1035297	45916 2124746	101444	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzoic acid	NPT	Qua	274229 120915	0 597606	0 941537	4388 2264151	17736	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzaldehyde	DCB	Ave	446459 223499	8084 683579	18971 842813	39267 1658144	87635	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Phenol	DCB	Ave	966262 463469	17395 1404866	37747 1847537	77036 3953770	181181	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Aniline	DCB	Ave	1053817 513083	18146 1626877	42761 2027239	89302 4473834	198848	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Bis(2-chloroethyl)ether	DCB	Ave	673487 331028	13106 1019796	31312 1281870	59403 2775594	131263	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Chlorophenol	DCB	Ave	776375 380007	13994 1197693	35847 1503771	68415 3197744	149207	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,4-Dichlorobenzene	DCB	Ave	926130 452367	17908 1408562	43528 1771687	84712 3785062	176088	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,3-Dichlorobenzene	DCB	Ave	955413 466691	17474 1474864	44518 1836208	87190 3893977	189416	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzyl alcohol	DCB	Ave	697730 331808	9439 1068573	25793 1354775	53747 2977676	125180	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,2-Dichlorobenzene	DCB	Ave	877743 421195	16928 1341137	41979 1670849	82549 3615946	168715	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Methylphenol	DCB	Ave	705813 336290	11360 1069601	27722 1348961	57696 2926725	130796	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	1280972 628132	23367 1921605	60098 2397677	116615 4945280	251919	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
3 & 4 Methylphenol	DCB	Ave	782871 363361	11453 1227217	29641 1569813	61988 3461799	136949	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Acetophenone	DCB	Ave	1124799 515708	16851 1763734	44519 2250658	91478 4605361	198267	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	586092 270341	7396 923144	21782 1193602	48073 2500569	101572	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Hexachloroethane	DCB	Ave	361222 174418	6791 557323	16590 708048	31367 1570525	69053	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Nitrobenzene	NPT	Ave	879239 421942	14948 1343575	37806 1680049	73877 3590546	164004	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4-Dinitrophenol	ANT	Lin	113781 55112	0 234879	0 318725	3624 822032	13436	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Isophorone	NPT	Ave	1445050 695360	21483 2227566	56426 2804065	123596 5685129	265420	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Nitrophenol	NPT	Ave	424566 209314	6612 666909	14467 834865	33545 1844438	79176	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4-Dimethylphenol	NPT	Ave	759637 363356	12738 1171702	31767 1496945	65418 3283119	144663	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	816353 389562	14222 1253153	37628 1579973	73055 3389939	152034	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4-Dichlorophenol	NPT	Ave	652295 304937	10720 989973	25662 1276130	51385 2759199	118158	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,2,4-Trichlorobenzene	NPT	Ave	730342 349781	13261 1118358	31267 1392785	68754 3062669	140749	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Alpha-Terpineol	NPT	Ave	788463 363576	11914 1211837	28779 1526531	59868 3076294	138087	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Naphthalene	NPT	Ave	2442377 1157127	45518 3669145	107140 4477043	214809 7470837	459968	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Chloroaniline	NPT	Ave	891496 432695	13097 1469995	38338 1827385	75682 3988462	170228	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Hexachlorobutadiene	NPT	Ave	386067 185027	6323 596352	17089 745356	35037 1716344	74110	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Pentachlorophenol	PHN	Lin	185184 83762	0 319333	0 426037	7483 1094056	22523	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Caprolactam	NPT	Ave	343018 172277	6885 540654	15762 678722	23578 1487366	67773	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Chloro-3-methylphenol	NPT	Ave	702609 332349	10238 1064815	26728 1363503	56866 3030942	121536	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Nitrophenol	ANT	Lin2	221927 108052	0 376536	5101 489983	13123 1123178	39663	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Methylnaphthalene	NPT	Ave	1633143 775455	27480 2499639	73650 3089802	145712 5981635	299462	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylnaphthalene	NPT	Ave	1591658 769414	29036 2433986	71044 3026279	138710 5830191	299921	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Hexachlorocyclopentadiene	ANT	Lin1	248158 142445	3601 454509	9652 561940	18110 1322607	51270	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,2,4,5-Tetrachlorobenzene	NPT	Ave	637838 305073	12426 982548	28621 1239335	57240 2760743	120161	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4,6-Trichlorophenol	ANT	Ave	422590 211137	6219 674757	17485 847305	35400 1919847	76758	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	185124 98056	0 356918	3348 459212	9824 1093466	29108	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4,5-Trichlorophenol	ANT	Ave	467085 220743	6202 710250	16082 888528	37304 2018958	81107	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,1'-Biphenyl	ANT	Ave	1858736 917469	35696 2853041	83311 3508268	168720 6397971	360204	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Chloronaphthalene	ANT	Ave	1768795 839644	35204 2894793	78195 3616160	157667 7249095	324778	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Phenyl ether	NPT	Ave	992603 476530	17250 1523941	44760 1921132	89727 4095171	187367	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Nitroaniline	ANT	Lin1	519055 245292	6527 796620	16516 1006156	36677 2228530	86202	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzidine	PHN	Qua	195472 96260	0 457730	0 625375	8574 1859958	26685	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Dimethyl phthalate	ANT	Ave	1692067 835271	28993 2615366	77021 3227324	152290 6429085	323163	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,6-Dinitrotoluene	ANT	Ave	381699 190472	5335 592210	15721 761304	32222 1668766	72749	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Acenaphthylene	ANT	Ave	2365319 1136979	40574 3610102	101507 4380990	208896 7563185	451079	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
3-Nitroaniline	ANT	Ave	332941 176796	4630 556028	13924 702839	30588 1606617	71971	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Acenaphthene	ANT	Ave	1580224 758009	28866 2437701	68546 3030693	140653 5794227	299174	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4-Dinitrotoluene	ANT	Lin2	512284 242885	5087 819879	17426 1038283	36446 2275030	90014	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Dibenzofuran	ANT	Ave	2046994 1009805	36624 3139274	96174 3860056	183095 6971415	398539	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	327173 158130	2596 517040	10008 674837	23903 1559121	54686	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Diethyl phthalate	ANT	Ave	1807375 871891	36266 2778535	80858 3461584	158317 6524006	342425	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	760872 367321	14738 1181348	35296 1489048	67600 3361185	145714	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Fluorene	ANT	Ave	1775578 850003	31607 2778979	73461 3447424	150628 6670186	325122	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Nitroaniline	ANT	Ave	269765 220161	6524 565840	17029 752489	38121 1823084	85432	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Diphenylamine	PHN	Ave	1440127 716439	24607 2270411	63377 2815312	124915 5708788	270491	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
N-Nitrosodiphenylamine	PHN	Ave	1440127 716439	24607 2270411	63377 2815312	124915 5708788	270491	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
1,2-Diphenylhydrazine	PHN	Ave	2983917 1435108	41995 4566968	121278 5681377	247633 10525417	541810	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Azobenzene	PHN	Ave	2983917 1435108	41995 4566968	121278 5681377	247633 10525417	541810	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzophenone	PHN	Ave	1691228 814111	25374 2648324	67954 3335339	136547 6591204	308435	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
4-Bromophenyl phenyl ether	PHN	Ave	401251 197055	6739 620277	16150 807138	35954 1902597	75846	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Hexachlorobenzene	PHN	Ave	379988 187331	6952 595151	17022 744135	32724 1806077	72120	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Atrazine	PHN	Ave	410322 206091	5791 647293	14697 809588	36626 1773253	78689	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Pentachloronitrobenzene	PHN	Lin1	205490 94050	1973 323105	6804 408680	13921 969424	34575	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Phenanthrene	PHN	Ave	2288975 1132118	44769 3499456	102993 4307270	206666 7556211	440833	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Anthracene	PHN	Ave	2225415 1101840	37303 3458866	90079 4276817	193332 7452678	421288	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Carbazole	PHN	Ave	1620394 873530	32636 2540184	77395 3079200	165325 6490626	368101	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Di-n-butyl phthalate	PHN	Ave	2830073 1408648	55437 4231959	126369 5070007	246014 8088040	535619	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Fluoranthene	PHN	Ave	2099076 1046032	34803 3218681	82096 4042384	174811 7282210	402662	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Pyrene	CRY	Ave	2187212 1099645	33797 3360488	85907 4194091	183208 7778483	423748	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Butyl benzyl phthalate	CRY	Ave	1169548 570323	15036 1820419	36318 2345923	88047 5154630	198330	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
3,3'-Dichlorobenzidine	CRY	Lin2	315115 186776	2874 570106	8310 725757	21712 1788101	63467	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1897450 891799	31572 2919471	74799 3740158	131802 7938199	312353	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzo[a]anthracene	CRY	Ave	1380401 727275	21830 2260323	47799 2916189	114054 6865190	260442	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49685

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2009 17:07 Calibration End Date: 09/29/2009 20:52 Calibration ID: 4835

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Chrysene	CRY	Ave	1198645 654428	21508 1989905	46975 2559856	109089 5795613	237337	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Di-n-octyl phthalate	PRY	Lin1	2309989 1091209	14239 3624517	39449 4704116	109394 10234075	321116	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzo[b]fluoranthene	PRY	Ave	1039483 622471	14712 1735948	33572 2225066	81856 4967582	208217	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzo[k]fluoranthene	PRY	Ave	932841 535981	10731 1625498	28026 1974008	67933 4135673	181254	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzo[a]pyrene	PRY	Lin1	744844 431717	7457 1298945	19227 1585115	49796 3416080	138843	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	528662 304804	6091 884942	15082 976227	32206 2239572	93371	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Dibenz(a,h)anthracene	PRY	Lin1	408242 229745	4675 695788	10809 769258	23416 1807883	69698	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Benzo[g,h,i]perylene	PRY	Ave	443587 266593	6841 745049	16279 796929	34548 1809310	90002	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Fluorophenol	DCB	Ave	724582 322802	11021 956251	29226 1379298	52649 2636976	133687	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Phenol-d5	DCB	Ave	881367 423213	14818 1328807	36938 1660023	75376 3615814	158749	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Nitrobenzene-d5	NPT	Ave	884318 422135	15121 1364921	36814 1720180	73735 3646373	162803	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2-Fluorobiphenyl	ANT	Ave	1729324 855985	31723 2693917	77366 3318787	159987 6277173	331638	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
2,4,6-Tribromophenol	PHN	Lin1	152808 76239	2027 252404	5026 320731	11152 822833	26879	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00
Terphenyl-d14	CRY	Ave	1260861 636529	20629 2000094	50295 2577776	106780 5658226	243178	5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00	5.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10621.D		
Lims ID:	std5	Client ID:	
Inject. Date:	29-Sep-2009 17:07:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49685	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:11:36	Calib Date:	29-Sep-2009 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10621.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 13:45:21
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:11:36

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.924	6.924	0.000	578330	2.00	
* 2 Naphthalene-d8	136	8.059	8.059	0.000	1216520	2.00	
* 3 Acenaphthene-d10	164	9.544	9.544	0.000	578509	2.00	
* 4 Phenanthrene-d10	188	10.790	10.790	0.000	979315	2.00	
* 5 Chrysene-d12	240	13.387	13.387	0.000	643595	2.00	
* 6 Perylene-d12	264	15.935	15.935	0.000	387280	2.00	
$ 7 2-Fluorophenol	112	5.572	5.572	0.000	724582	5.00	
$ 8 Phenol-d5	99	6.577	6.577	0.000	881367	5.00	
$ 9 Nitrobenzene-d5	82	7.429	7.429	0.000	884318	5.00	
$ 10 2-Fluorobiphenyl	172	8.967	8.967	0.000	1729324	5.00	
$ 11 2,4,6-Tribromophenol	330	10.203	10.203	0.000	152808	5.00	
$ 12 Terphenyl-d14	244	12.117	12.117	0.000	1260861	5.00	
15 N-Nitrosodimethylamine	42	3.144	3.144	0.000	500820	5.00	
16 Pyridine	79	3.144	3.144	0.000	605120	5.00	
17 Benzaldehyde	105	6.510	6.510	0.000	446459	5.00	
18 Phenol	94	6.592	6.592	0.000	966262	5.00	
19 Aniline	93	6.616	6.616	0.000	1053817	5.00	
20 Bis(2-chloroethyl)ether	93	6.683	6.683	0.000	673487	5.00	
21 2-Chlorophenol	128	6.727	6.727	0.000	776375	5.00	
22 1,4-Dichlorobenzene	146	6.871	6.871	0.000	926130	5.00	5
23 1,3-Dichlorobenzene	146	6.938	6.938	0.000	955413	5.00	
24 Benzyl alcohol	79	7.054	7.054	0.000	697730	5.00	
25 1,2-Dichlorobenzene	146	7.078	7.078	0.000	877743	5.00	
26 2-Methylphenol	108	7.150	7.150	0.000	705813	5.00	
27 2,2'-oxybis[1-chloropropane]	45	7.179	7.179	0.000	1280972	5.00	
28 3 & 4 Methylphenol	108	7.289	7.289	0.000	782871	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.294	7.294	0.000	1124799	5.00	
29 N-Nitrosodi-n-propylamine	70	7.294	7.294	0.000	586092	5.00	
31 Hexachloroethane	117	7.385	7.385	0.000	361222	5.00	
32 Nitrobenzene	77	7.443	7.443	0.000	879239	5.00	
33 Isophorone	82	7.655	7.655	0.000	1445050	5.00	
34 2-Nitrophenol	139	7.727	7.727	0.000	424566	5.00	
35 2,4-Dimethylphenol	107	7.751	7.751	0.000	759637	5.00	
36 Benzoic acid	105	7.823	7.823	0.000	274229	5.00	
37 Bis(2-chloroethoxy)methane	93	7.833	7.833	0.000	816353	5.00	
38 2,4-Dichlorophenol	162	7.929	7.929	0.000	652295	5.00	
39 1,2,4-Trichlorobenzene	180	8.006	8.006	0.000	730342	5.00	
40 Alpha-Terpineol	59	8.073	8.073	0.000	788463	5.00	
41 Naphthalene	128	8.078	8.078	0.000	2442377	5.00	
42 4-Chloroaniline	127	8.116	8.116	0.000	891496	5.00	
43 Hexachlorobutadiene	225	8.179	8.179	0.000	386067	5.00	
44 Caprolactam	55	8.405	8.405	0.000	343018	5.00	
45 4-Chloro-3-methylphenol	107	8.515	8.515	0.000	702609	5.00	
46 2-Methylnaphthalene	142	8.664	8.664	0.000	1633143	5.00	
47 1-Methylnaphthalene	142	8.751	8.751	0.000	1591658	5.00	5
48 Hexachlorocyclopentadiene	237	8.794	8.794	0.000	248158	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	8.809	8.809	0.000	637838	5.00	
50 2,4,6-Trichlorophenol	196	8.895	8.895	0.000	422590	5.00	5
51 2,4,5-Trichlorophenol	196	8.929	8.929	0.000	467085	5.00	
52 1,1'-Biphenyl	154	9.054	9.054	0.000	1858736	5.00	
53 2-Chloronaphthalene	162	9.078	9.078	0.000	1768795	5.00	
54 Phenyl ether	170	9.141	9.141	0.000	992603	5.00	
68 4-Nitroaniline	138	9.155	9.155	0.000	519055	5.00	
56 Dimethyl phthalate	163	9.299	9.299	0.000	1692067	5.00	
57 2,6-Dinitrotoluene	165	9.352	9.352	0.000	381699	5.00	
58 Acenaphthylene	152	9.429	9.429	0.000	2365319	5.00	
59 3-Nitroaniline	138	9.496	9.496	0.000	332941	5.00	
61 Acenaphthene	153	9.573	9.573	0.000	1580224	5.00	
60 2,4-Dinitrophenol	184	9.583	9.583	0.000	113781	5.00	
62 4-Nitrophenol	109	9.617	9.617	0.000	221927	5.00	
63 2,4-Dinitrotoluene	165	9.689	9.689	0.000	512284	5.00	
64 Dibenzofuran	168	9.718	9.718	0.000	2046994	5.00	
65 2,3,4,6-Tetrachlorophenol	232	9.814	9.814	0.000	327173	5.00	
66 Diethyl phthalate	149	9.881	9.881	0.000	1807375	5.00	
67 4-Chlorophenyl phenyl ether	204	9.992	9.992	0.000	760872	5.00	
69 Fluorene	166	10.001	10.001	0.000	1775578	5.00	
55 2-Nitroaniline	65	10.006	10.006	0.000	269765	5.00	
70 4,6-Dinitro-2-methylphenol	198	10.035	10.035	0.000	185124	5.00	
71 Diphenylamine	169	10.088	10.088	0.000	1440127	5.00	
72 N-Nitrosodiphenylamine	169	10.088	10.088	0.000	1440127	5.00	
73 1,2-Diphenylhydrazine	77	10.122	10.122	0.000	2983917	5.00	
74 Azobenzene	77	10.122	10.122	0.000	2983917	5.00	
13 Benzophenone	105	10.136	10.136	0.000	1691228	5.00	
75 4-Bromophenyl phenyl ether	248	10.400	10.400	0.000	401251	5.00	
76 Hexachlorobenzene	284	10.468	10.468	0.000	379988	5.00	
77 Atrazine	200	10.516	10.516	0.000	410322	5.00	
78 Pentachlorophenol	266	10.626	10.626	0.000	185184	5.00	
79 Pentachloronitrobenzene	237	10.636	10.636	0.000	205490	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.809	10.809	0.000	2288975	5.00	
81 Anthracene	178	10.852	10.852	0.000	2225415	5.00	5
83 Carbazole	167	10.978	10.978	0.000	1620394	5.00	
84 Di-n-butyl phthalate	149	11.237	11.237	0.000	2830073	5.00	
87 Fluoranthene	202	11.805	11.805	0.000	2099076	5.00	
86 Benzidine	184	11.896	11.896	0.000	195472	5.00	
85 Pyrene	202	12.002	12.002	0.000	2187212	5.00	
89 Butyl benzyl phthalate	149	12.598	12.598	0.000	1169548	5.00	
91 3,3'-Dichlorobenzidine	252	13.315	13.315	0.000	315115	5.00	
92 Bis(2-ethylhexyl) phthalate	149	13.363	13.363	0.000	1897450	5.00	
93 Benzo[a]anthracene	228	13.372	13.372	0.000	1380401	5.00	
94 Chrysene	228	13.430	13.430	0.000	1198645	5.00	5
95 Di-n-octyl phthalate	149	14.627	14.627	0.000	2309989	5.00	
97 Benzo[b]fluoranthene	252	15.397	15.397	0.000	1039483	5.00	
98 Benzo[k]fluoranthene	252	15.440	15.440	0.000	932841	5.00	5
99 Benzo[a]pyrene	252	15.863	15.863	0.000	744844	5.00	
100 Indeno[1,2,3-cd]pyrene	276	17.469	17.469	0.000	528662	5.00	
101 Dibenz(a,h)anthracene	278	17.498	17.498	0.000	408242	5.00	
102 Benzo[g,h,i]perylene	276	17.912	17.912	0.000	443587	5.00	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Sep-2009 14:11:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10621.D

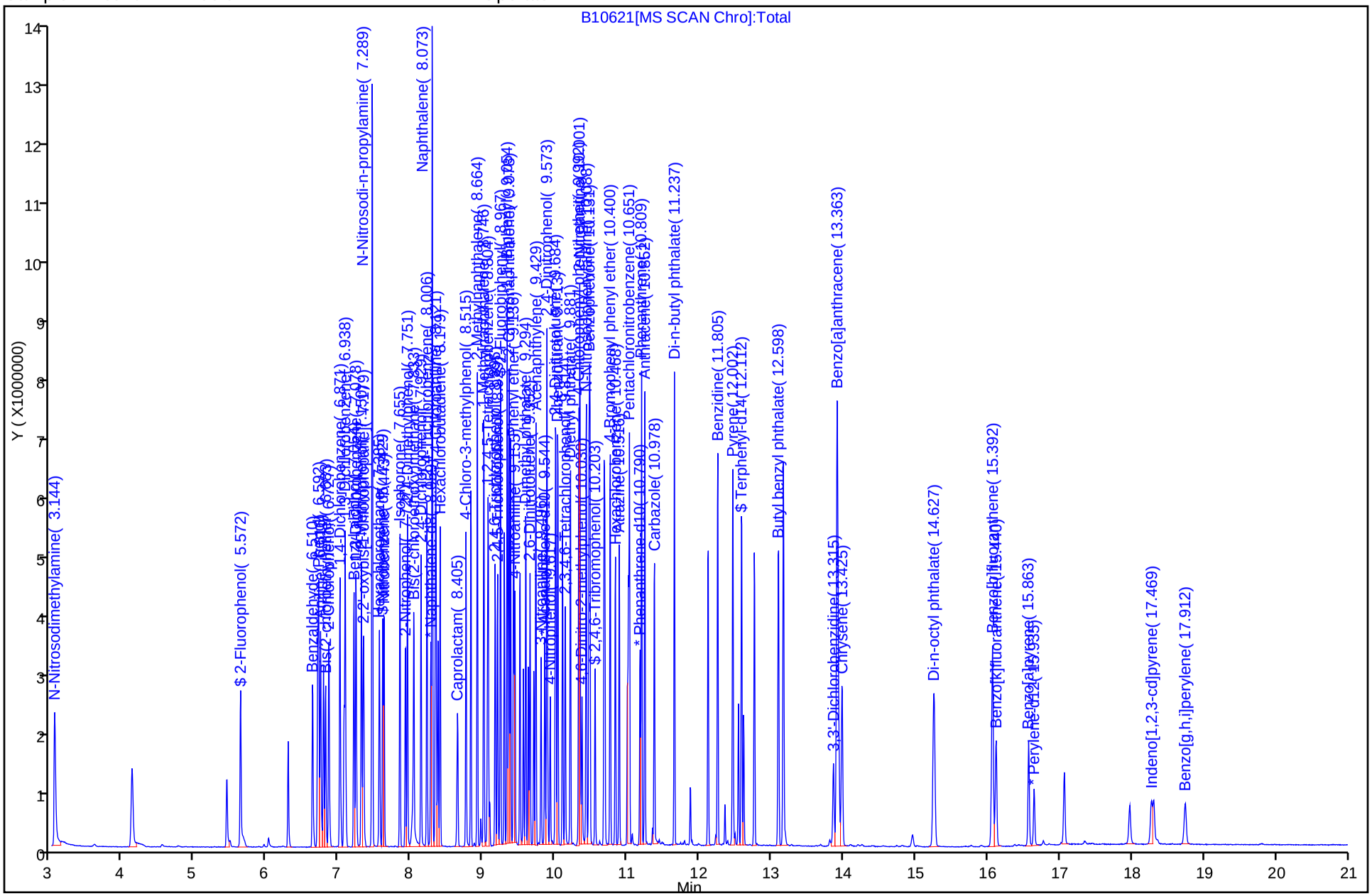
Inj Date: 29-Sep-2009 17:07:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Lims ID:	std01	Client ID:	
Inject. Date:	29-Sep-2009 17:35:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49685	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:11:42	Calib Date:	29-Sep-2009 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:11:42

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.923	6.924	-0.001	455972	2.00	
* 2 Naphthalene-d8	136	8.058	8.059	-0.001	1109600	2.00	
* 3 Acenaphthene-d10	164	9.544	9.544	0.000	556119	2.00	
* 4 Phenanthrene-d10	188	10.784	10.790	-0.006	910041	2.00	
* 5 Chrysene-d12	240	13.381	13.387	-0.006	524710	2.00	
* 6 Perylene-d12	264	15.934	15.935	-0.001	300048	2.00	
$ 7 2-Fluorophenol	112	5.571	5.572	-0.001	11021	0.0982	
$ 8 Phenol-d5	99	6.576	6.577	-0.001	14818	0.1032	
$ 9 Nitrobenzene-d5	82	7.428	7.429	-0.001	15121	0.0968	
$ 10 2-Fluorobiphenyl	172	8.962	8.967	-0.005	31723	0.0977	
$ 11 2,4,6-Tribromophenol	330	10.198	10.203	-0.005	2027	0.1000	
$ 12 Terphenyl-d14	244	12.111	12.117	-0.006	20629	0.1002	
15 N-Nitrosodimethylamine	42	3.162	3.144	0.018	9053	0.1068	
17 Benzaldehyde	105	6.514	6.510	0.004	8084	0.1069	
18 Phenol	94	6.586	6.592	-0.006	17395	0.1066	
19 Aniline	93	6.615	6.616	-0.001	18146	0.1044	
20 Bis(2-chloroethyl)ether	93	6.682	6.683	-0.001	13106	0.1105	
21 2-Chlorophenol	128	6.721	6.727	-0.006	13994	0.1067	
22 1,4-Dichlorobenzene	146	6.870	6.871	-0.001	17908	0.1102	
23 1,3-Dichlorobenzene	146	6.937	6.938	-0.001	17474	0.1074	
24 Benzyl alcohol	79	7.048	7.054	-0.006	9439	0.0924	
25 1,2-Dichlorobenzene	146	7.081	7.078	0.003	16928	0.1100	
26 2-Methylphenol	108	7.149	7.150	-0.001	11360	0.1010	
27 2,2'-oxybis[1-chloropropane]	45	7.173	7.179	-0.006	23367	0.1073	
28 3 & 4 Methylphenol	108	7.283	7.289	-0.006	11453	0.0963	
30 Acetophenone	105	7.293	7.294	-0.001	16851	0.0974	
29 N-Nitrosodi-n-propylamine	70	7.293	7.294	-0.001	7396	0.1000	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.380	7.385	-0.005	6791	0.1088	
32 Nitrobenzene	77	7.442	7.443	-0.001	14948	0.0965	
33 Isophorone	82	7.649	7.655	-0.006	21483	0.0898	
34 2-Nitrophenol	139	7.721	7.727	-0.006	6612	0.0921	
35 2,4-Dimethylphenol	107	7.750	7.751	-0.001	12738	0.0958	
37 Bis(2-chloroethoxy)methane	93	7.832	7.833	-0.001	14222	0.0977	
38 2,4-Dichlorophenol	162	7.928	7.929	-0.001	10720	0.0948	
39 1,2,4-Trichlorobenzene	180	8.005	8.006	-0.001	13261	0.0998	
40 Alpha-Terpineol	59	8.067	8.073	-0.006	11914	0.0906	
41 Naphthalene	128	8.072	8.078	-0.006	45518	0.1011	
42 4-Chloroaniline	127	8.115	8.116	-0.001	13097	0.0892	
43 Hexachlorobutadiene	225	8.178	8.179	-0.001	6323	0.0946	
44 Caprolactam	55	8.380	8.405	-0.025	6885	0.1048	
45 4-Chloro-3-methylphenol	107	8.510	8.515	-0.005	10238	0.1000	
46 2-Methylnaphthalene	142	8.659	8.664	-0.005	27480	0.0960	
47 1-Methylnaphthalene	142	8.745	8.751	-0.006	29036	0.1000	
48 Hexachlorocyclopentadiene	237	8.793	8.794	-0.001	3601	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	8.803	8.809	-0.006	12426	0.1033	
50 2,4,6-Trichlorophenol	196	8.894	8.895	-0.001	6219	0.1000	
51 2,4,5-Trichlorophenol	196	8.923	8.929	-0.006	6202	0.1000	
52 1,1'-Biphenyl	154	9.048	9.054	-0.006	35696	0.0999	
53 2-Chloronaphthalene	162	9.072	9.078	-0.006	35204	0.1017	
54 Phenyl ether	170	9.135	9.141	-0.006	17250	0.0976	
68 4-Nitroaniline	138	9.154	9.155	-0.001	6527	0.1000	
56 Dimethyl phthalate	163	9.293	9.299	-0.006	28993	0.0942	
57 2,6-Dinitrotoluene	165	9.351	9.352	-0.001	5335	0.1000	
58 Acenaphthylene	152	9.423	9.429	-0.006	40574	0.0943	
59 3-Nitroaniline	138	9.491	9.496	-0.005	4630	0.1000	
61 Acenaphthene	153	9.568	9.573	-0.005	28866	0.0974	
63 2,4-Dinitrotoluene	165	9.688	9.689	-0.001	5087	0.1000	
64 Dibenzofuran	168	9.712	9.718	-0.006	36624	0.0964	
65 2,3,4,6-Tetrachlorophenol	232	9.813	9.814	-0.001	2596	0.1000	
66 Diethyl phthalate	149	9.875	9.881	-0.006	36266	0.1021	
67 4-Chlorophenyl phenyl ether	204	9.986	9.992	-0.006	14738	0.1004	
69 Fluorene	166	10.000	10.001	-0.001	31607	0.0962	
55 2-Nitroaniline	65	10.000	10.006	-0.006	6524	0.1000	
71 Diphenylamine	169	10.082	10.088	-0.006	24607	0.0958	
72 N-Nitrosodiphenylamine	169	10.082	10.088	-0.006	24607	0.0958	
73 1,2-Diphenylhydrazine	77	10.121	10.122	-0.001	41995	0.1000	
74 Azobenzene	77	10.121	10.122	-0.001	41995	0.1000	
13 Benzophenone	105	10.130	10.136	-0.006	25374	0.0893	
75 4-Bromophenyl phenyl ether	248	10.399	10.400	-0.001	6739	0.0949	
76 Hexachlorobenzene	284	10.467	10.468	-0.001	6952	0.0992	
77 Atrazine	200	10.510	10.516	-0.006	5791	0.1000	
79 Pentachloronitrobenzene	237	10.630	10.636	-0.006	1973	0.1000	
80 Phenanthrene	178	10.808	10.809	-0.001	44769	0.1026	
81 Anthracene	178	10.852	10.852	0.000	37303	0.0948	
83 Carbazole	167	10.972	10.978	-0.006	32636	0.1040	
84 Di-n-butyl phthalate	149	11.236	11.237	-0.001	55437	0.1026	
87 Fluoranthene	202	11.804	11.805	-0.001	34803	0.0943	
85 Pyrene	202	11.996	12.002	-0.006	33797	0.0973	
89 Butyl benzyl phthalate	149	12.597	12.598	-0.001	15036	0.1000	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	13.314	13.315	-0.001	2874	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	13.362	13.363	-0.001	31572	0.1010	
93 Benzo[a]anthracene	228	13.362	13.372	-0.010	21830	0.0985	
94 Chrysene	228	13.424	13.430	-0.006	21508	0.1048	
95 Di-n-octyl phthalate	149	14.622	14.627	-0.005	14239	0.1000	
97 Benzo[b]fluoranthene	252	15.391	15.397	-0.006	14712	0.0955	
98 Benzo[k]fluoranthene	252	15.429	15.440	-0.011	10731	0.1000	
99 Benzo[a]pyrene	252	15.867	15.863	0.004	7457	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	17.468	17.468	0.000	6091	0.1000	M
101 Dibenz(a,h)anthracene	278	17.502	17.502	0.000	4675	0.1000	M
102 Benzo[g,h,i]perylene	276	17.906	17.912	-0.006	6841	0.0998	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 14:11:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D

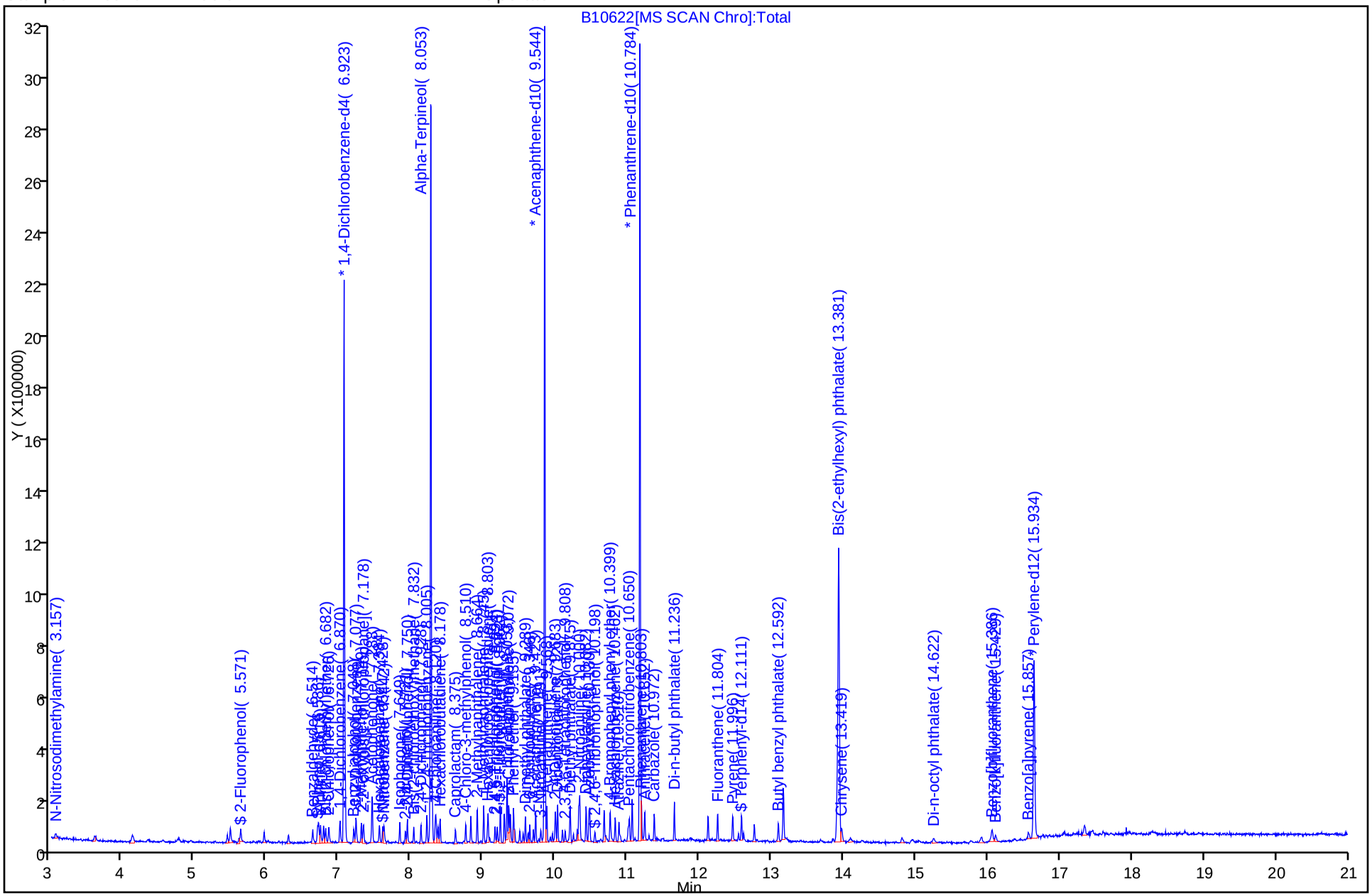
Inj Date: 29-Sep-2009 17:35:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



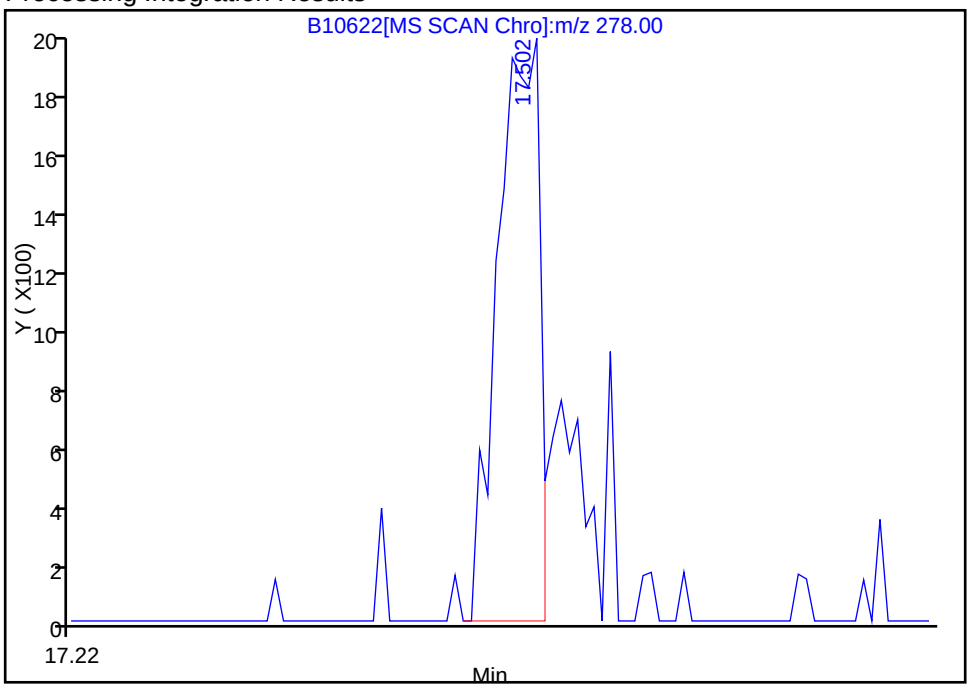
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 17.50

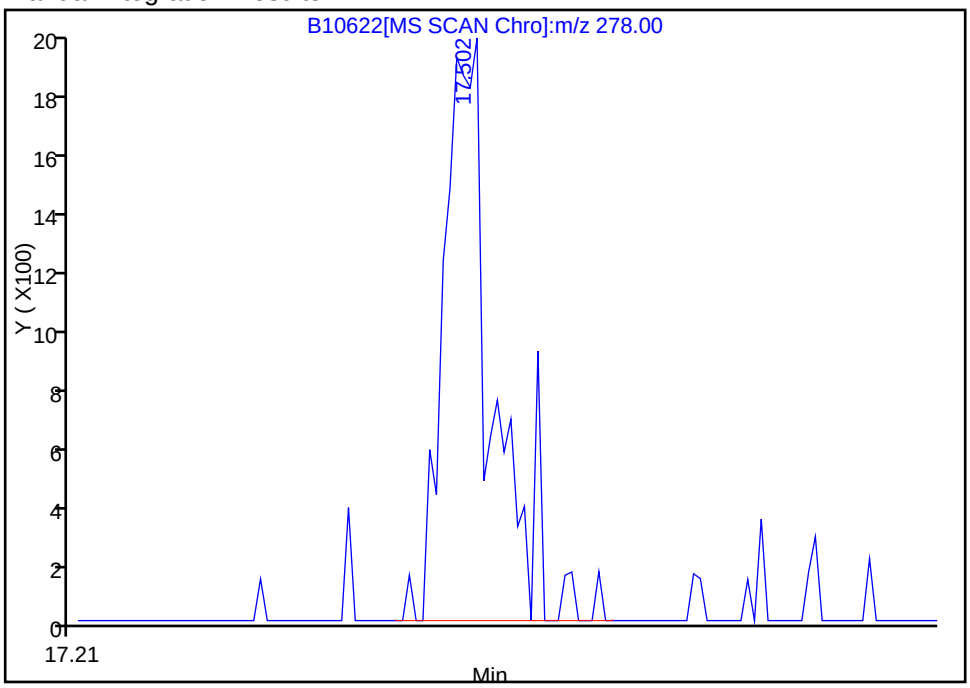
Processing Integration Results

RT: 17.50
Response: 3299
Amount: 0.100000



Manual Integration Results

RT: 17.50
Response: 4675
Amount: 0.100000



Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

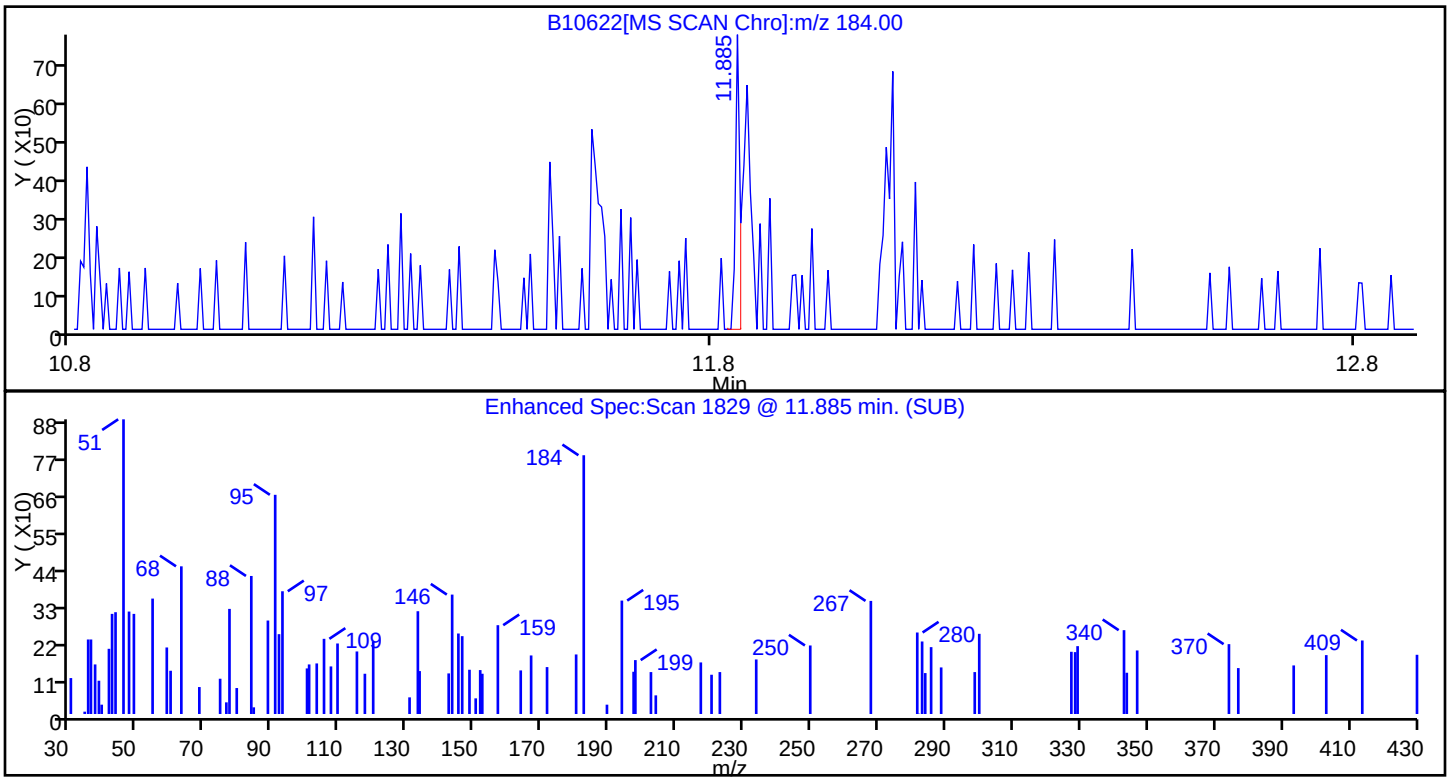
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
11.89	184.00	351	0.100000
11.90	92.00	255	

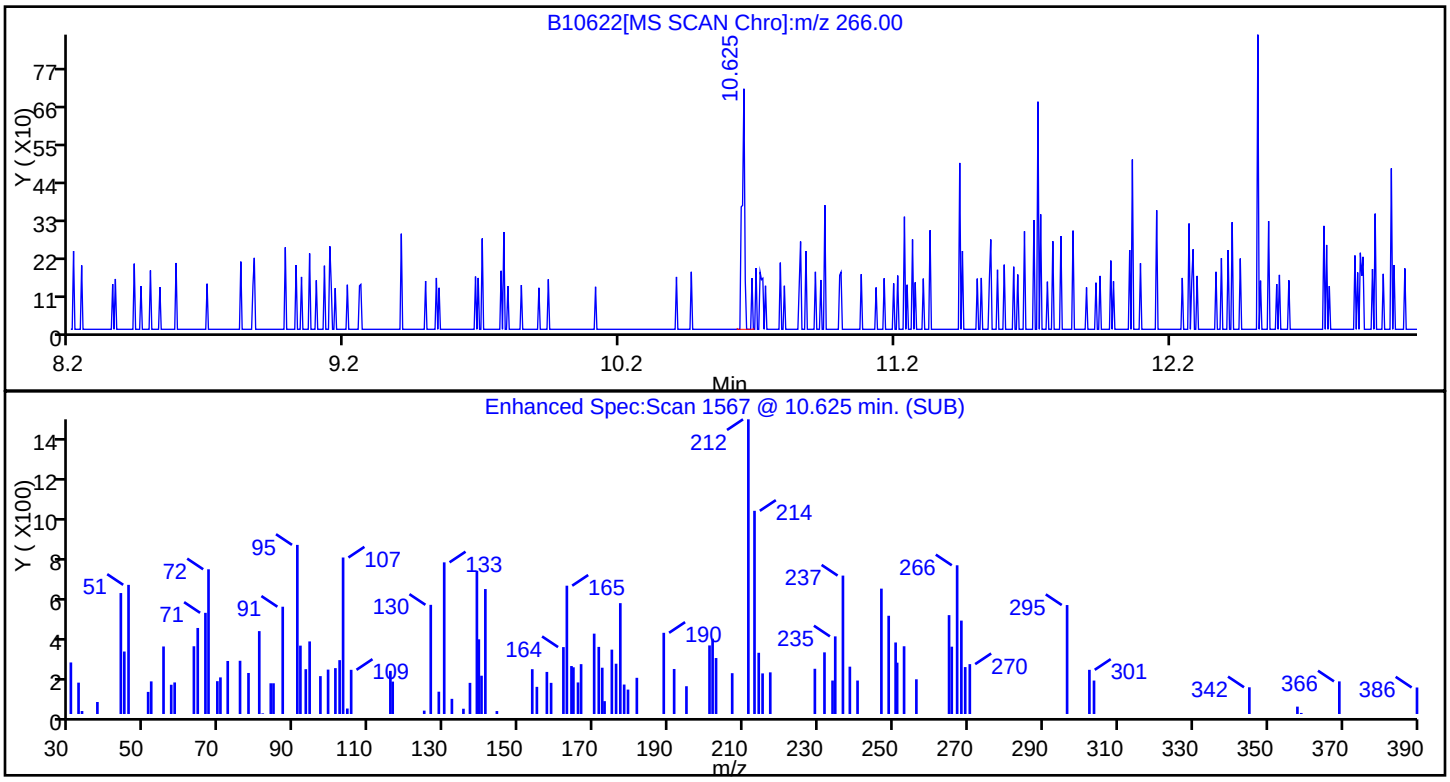
Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.63	266.00	497	0.025237
10.62	264.00	493	
10.62	268.00	318	

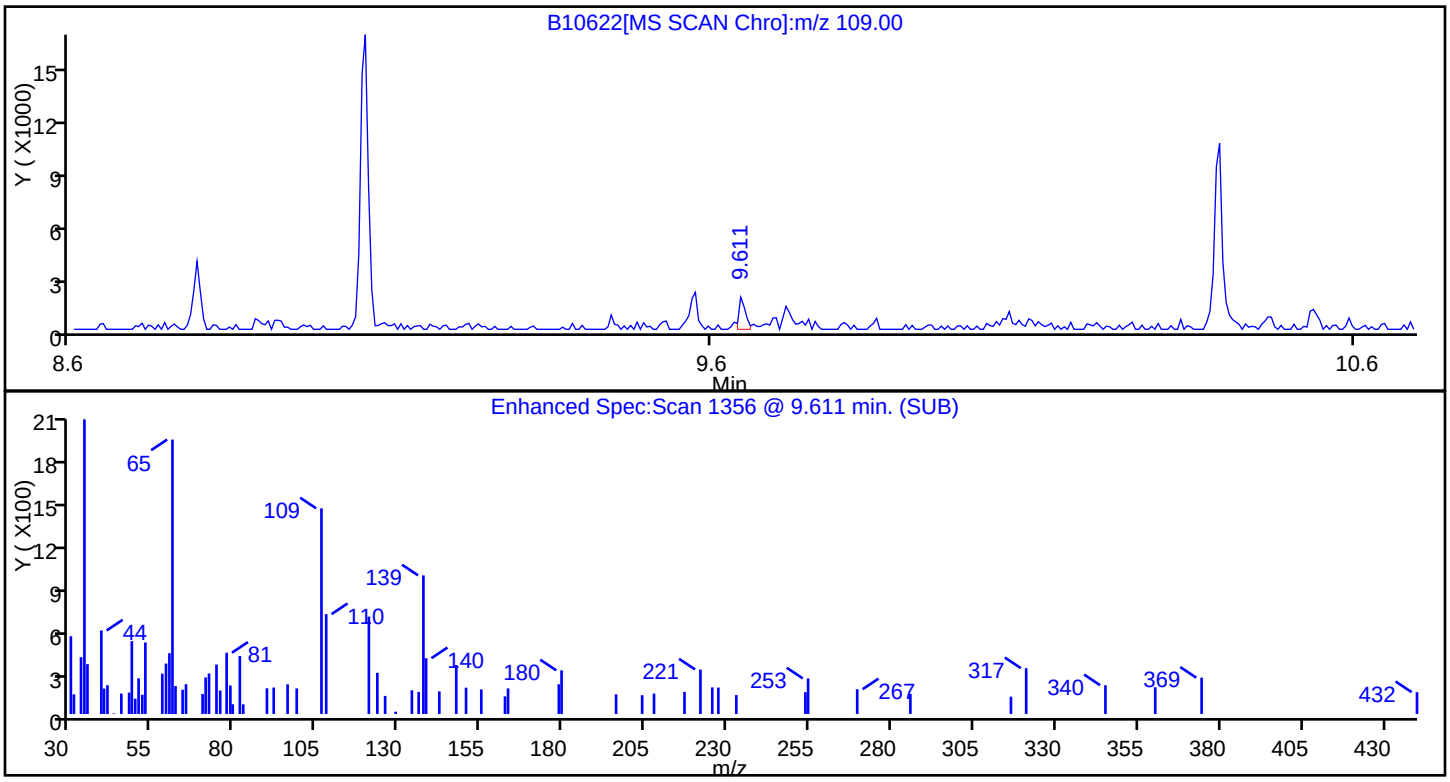
Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
9.61	109.00	1239	0.100000
9.62	139.00	1882	
9.61	64.00	247	

Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

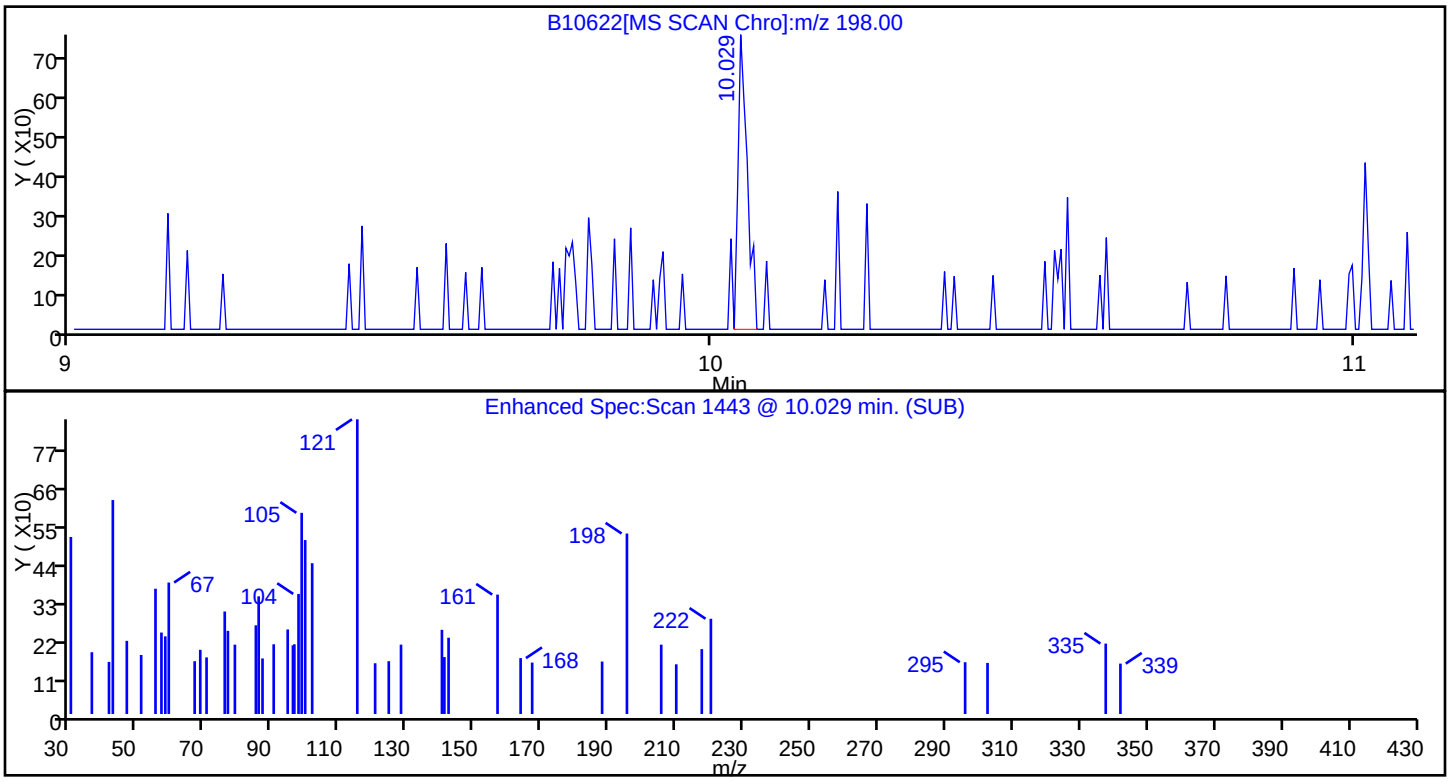
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.03	198.00	721	0.100000
10.03	121.00	561	
10.03	105.00	306	

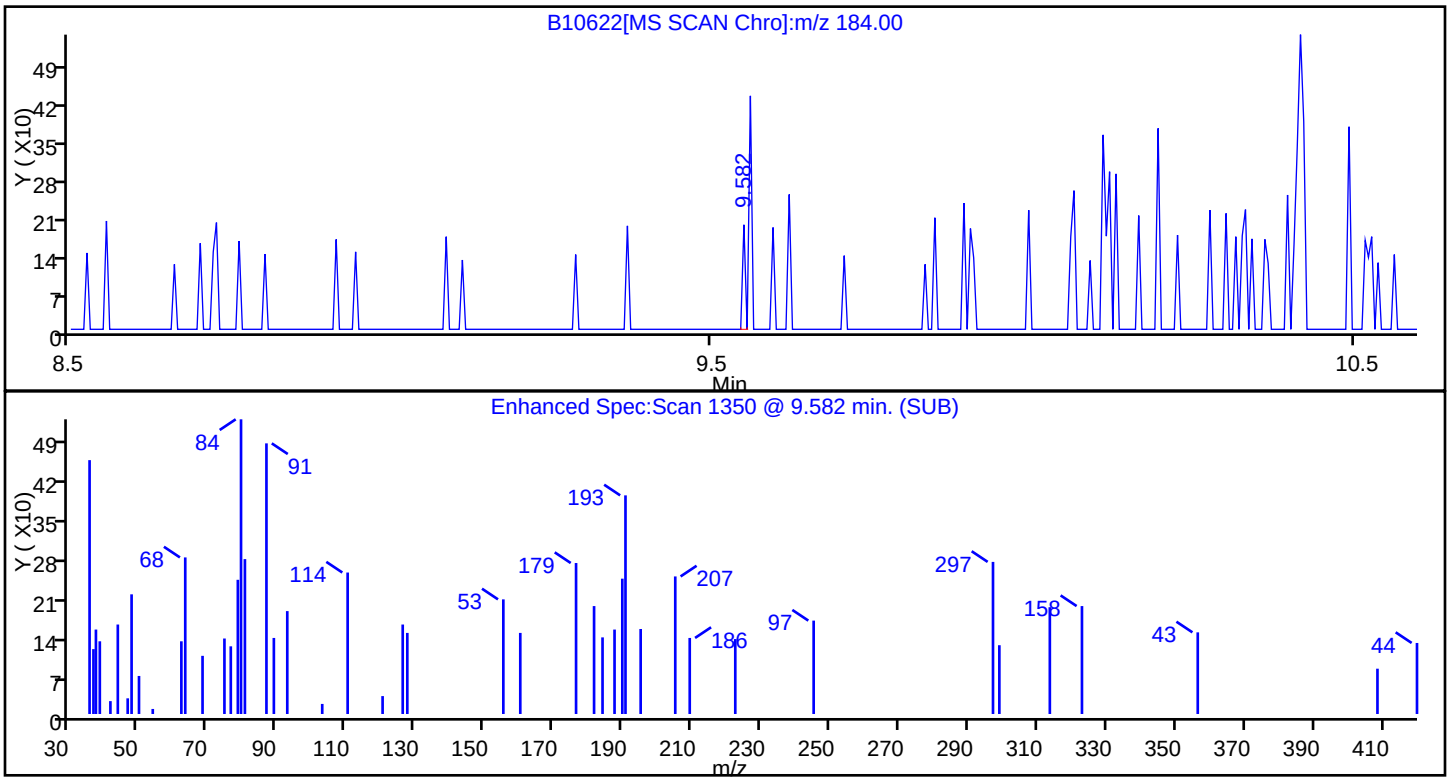
Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.58	184.00	56	0.004992
9.58	63.00	227	
9.57	154.00	26500	

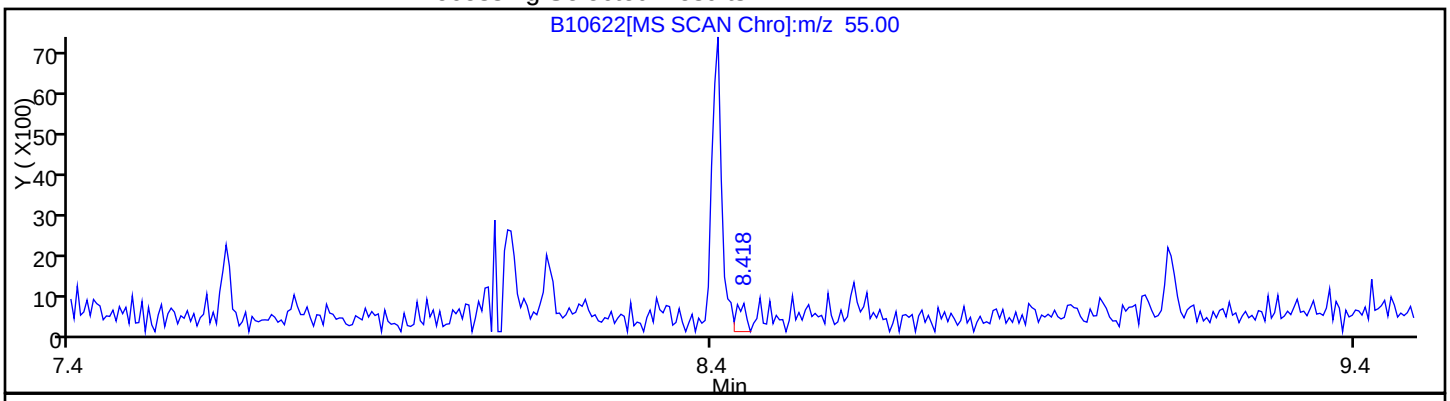
Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

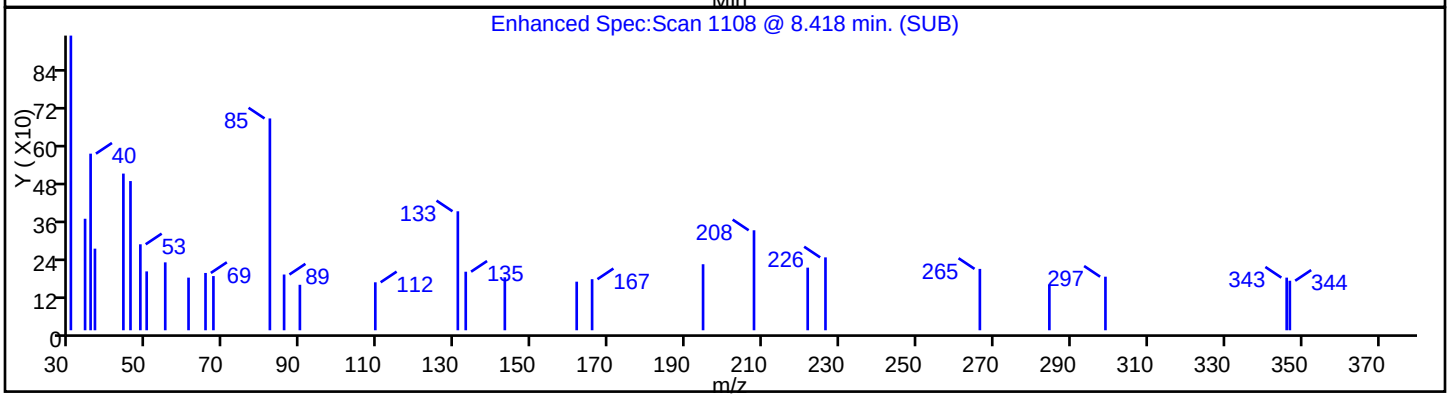
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

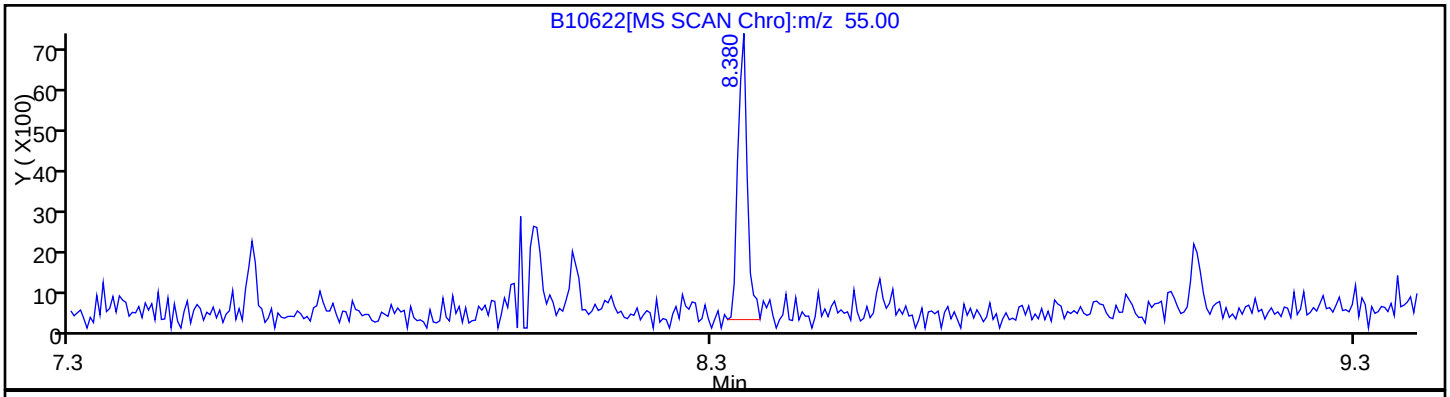
44 Caprolactam

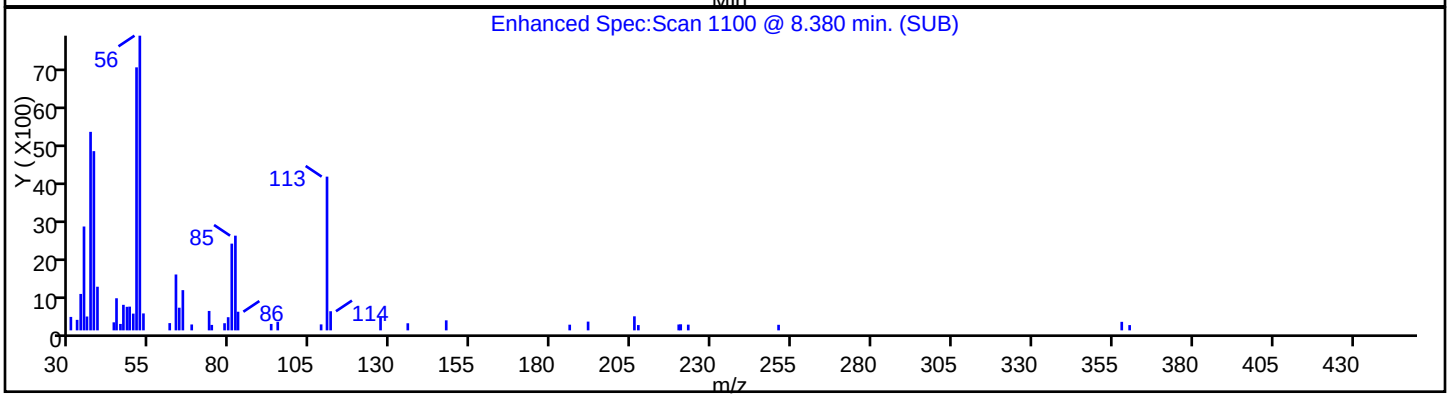
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Selected Alternate Hit
Audit Reason:

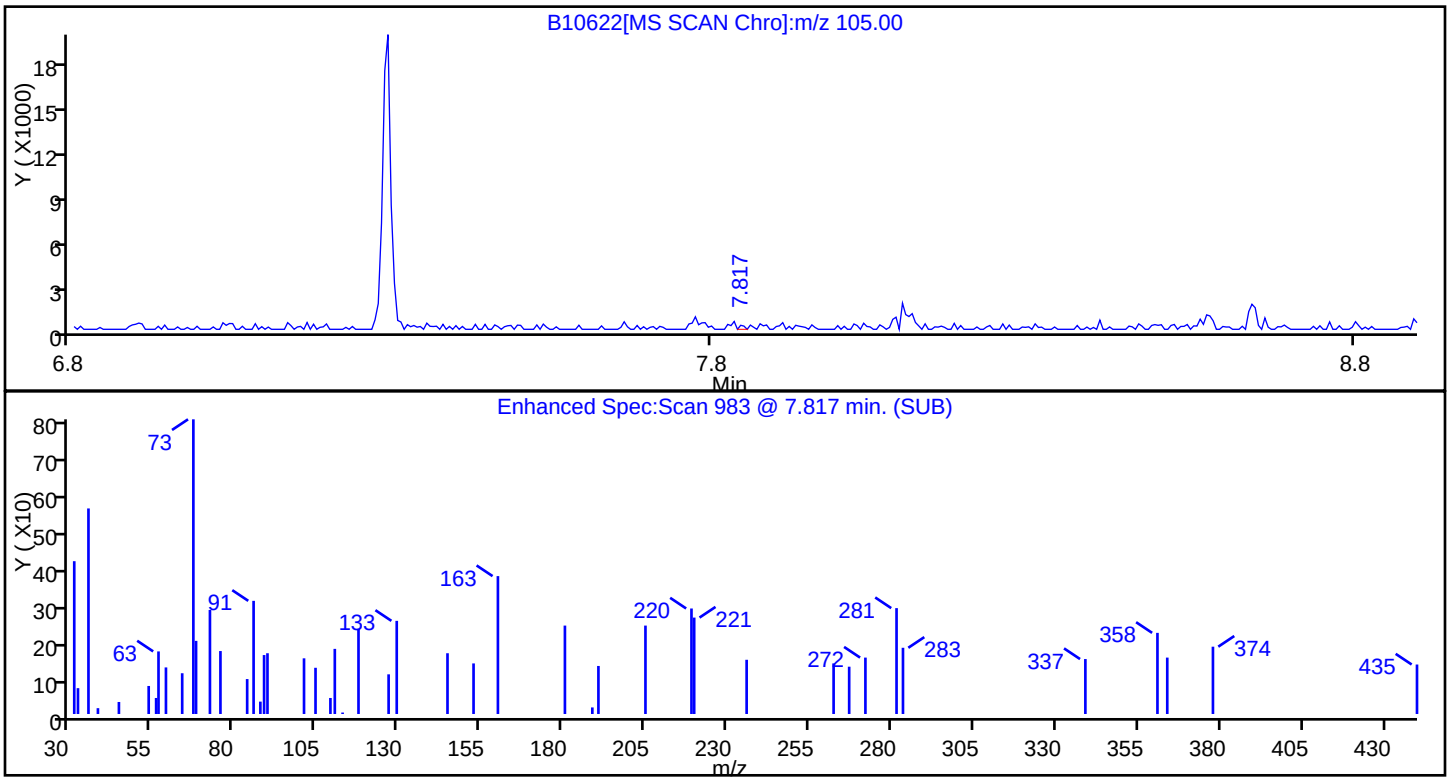
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.82	105.00	138	0.100000
7.84	122.00	125	
7.81	77.00	232	

Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Marked Compound Undetected
Audit Reason:

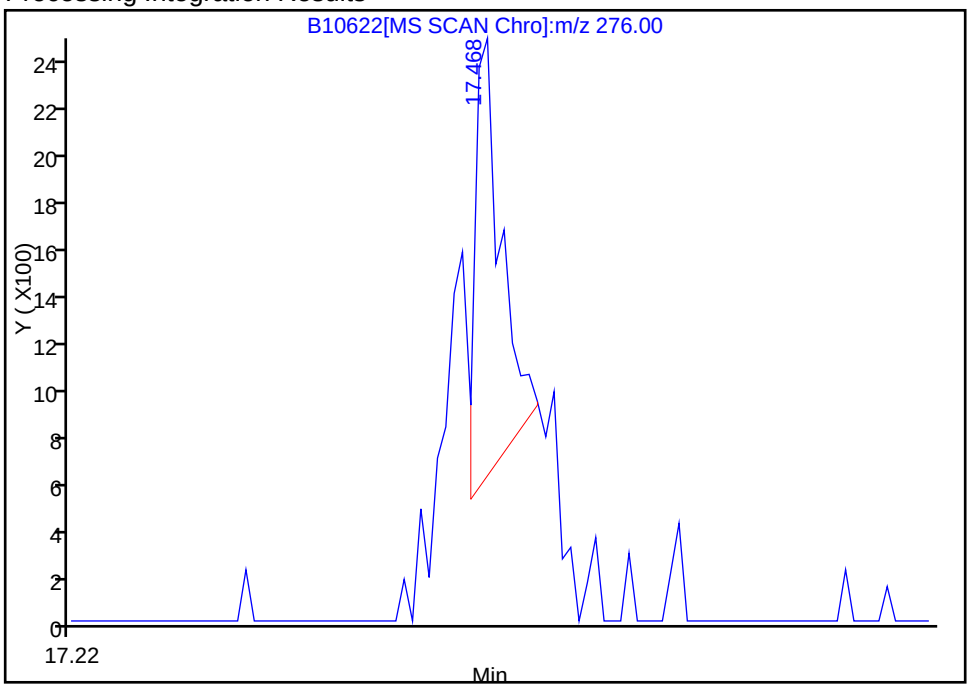
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10622.D		
Inj Date:	29-Sep-2009 17:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 17.47

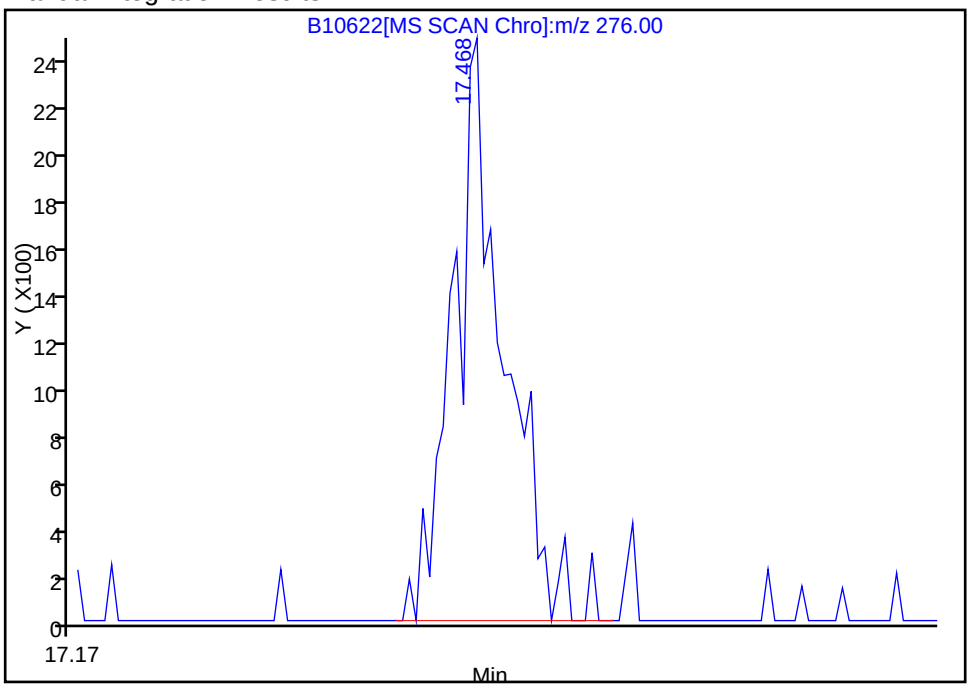
Processing Integration Results

RT: 17.47
Response: 1884
Amount: 0.100000



Manual Integration Results

RT: 17.47
Response: 6091
Amount: 0.100000



Reviewer: sullivanp, 30-Sep-2009 14:11:42
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Lims ID:	std025	Client ID:	
Inject. Date:	29-Sep-2009 18:03:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49685	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:11:49	Calib Date:	29-Sep-2009 18:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:11:49

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.920	6.924	-0.004	477324	2.00	
* 2 Naphthalene-d8	136	8.054	8.059	-0.005	1161006	2.00	
* 3 Acenaphthene-d10	164	9.540	9.544	-0.004	575311	2.00	
* 4 Phenanthrene-d10	188	10.786	10.790	-0.004	927853	2.00	
* 5 Chrysene-d12	240	13.383	13.387	-0.004	491462	2.00	
* 6 Perylene-d12	264	15.936	15.935	0.001	311702	2.00	
$ 7 2-Fluorophenol	112	5.573	5.572	0.001	29226	0.2492	
$ 8 Phenol-d5	99	6.573	6.577	-0.004	36938	0.2472	
$ 9 Nitrobenzene-d5	82	7.424	7.429	-0.005	36814	0.2329	
$ 10 2-Fluorobiphenyl	172	8.963	8.967	-0.004	77366	0.2364	
$ 11 2,4,6-Tribromophenol	330	10.204	10.203	0.001	5026	0.2152	
$ 12 Terphenyl-d14	244	12.113	12.117	-0.004	50295	0.2571	
15 N-Nitrosodimethylamine	42	3.149	3.144	0.005	23374	0.2588	
16 Pyridine	79	3.193	3.144	0.049	14700	0.2500	
17 Benzaldehyde	105	6.511	6.510	0.001	18971	0.2430	
18 Phenol	94	6.588	6.592	-0.004	37747	0.2299	
19 Aniline	93	6.612	6.616	-0.004	42761	0.2398	
20 Bis(2-chloroethyl)ether	93	6.679	6.683	-0.004	31312	0.2514	
21 2-Chlorophenol	128	6.722	6.727	-0.005	35847	0.2573	
22 1,4-Dichlorobenzene	146	6.867	6.871	-0.004	43528	0.2538	
23 1,3-Dichlorobenzene	146	6.939	6.938	0.001	44518	0.2575	
24 Benzyl alcohol	79	7.049	7.054	-0.005	25793	0.2440	
25 1,2-Dichlorobenzene	146	7.078	7.078	0.000	41979	0.2570	
26 2-Methylphenol	108	7.146	7.150	-0.004	27722	0.2401	
27 2,2'-oxybis[1-chloropropane]	45	7.174	7.179	-0.005	60098	0.2589	
28 3 & 4 Methylphenol	108	7.285	7.289	-0.004	29641	0.2418	
30 Acetophenone	105	7.290	7.294	-0.004	44519	0.2473	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.290	7.294	-0.004	21782	0.2501	
31 Hexachloroethane	117	7.381	7.385	-0.004	16590	0.2525	
32 Nitrobenzene	77	7.444	7.443	0.001	37806	0.2385	
33 Isophorone	82	7.650	7.655	-0.005	56426	0.2331	
34 2-Nitrophenol	139	7.723	7.727	-0.004	14467	0.2090	
35 2,4-Dimethylphenol	107	7.747	7.751	-0.004	31767	0.2351	
37 Bis(2-chloroethoxy)methane	93	7.833	7.833	0.000	37628	0.2480	
38 2,4-Dichlorophenol	162	7.925	7.929	-0.004	25662	0.2269	
39 1,2,4-Trichlorobenzene	180	8.006	8.006	0.000	31267	0.2326	
40 Alpha-Terpineol	59	8.069	8.073	-0.004	28779	0.2212	
41 Naphthalene	128	8.074	8.078	-0.004	107140	0.2344	
42 4-Chloroaniline	127	8.112	8.116	-0.004	38338	0.2497	
43 Hexachlorobutadiene	225	8.175	8.179	-0.004	17089	0.2462	
44 Caprolactam	55	8.377	8.405	-0.028	15762	0.2358	
45 4-Chloro-3-methylphenol	107	8.511	8.515	-0.004	26728	0.2303	
46 2-Methylnaphthalene	142	8.660	8.664	-0.004	73650	0.2472	
47 1-Methylnaphthalene	142	8.747	8.751	-0.004	71044	0.2390	
48 Hexachlorocyclopentadiene	237	8.795	8.794	0.001	9652	0.2290	
49 1,2,4,5-Tetrachlorobenzene	216	8.805	8.809	-0.004	28621	0.2344	
50 2,4,6-Trichlorophenol	196	8.891	8.895	-0.004	17485	0.2403	
51 2,4,5-Trichlorophenol	196	8.925	8.929	-0.004	16082	0.2165	
52 1,1'-Biphenyl	154	9.050	9.054	-0.004	83311	0.2331	
53 2-Chloronaphthalene	162	9.074	9.078	-0.004	78195	0.2280	
54 Phenyl ether	170	9.136	9.141	-0.005	44760	0.2446	
68 4-Nitroaniline	138	9.151	9.155	-0.004	16516	0.2097	
56 Dimethyl phthalate	163	9.290	9.299	-0.009	77021	0.2446	
57 2,6-Dinitrotoluene	165	9.348	9.352	-0.004	15721	0.2390	
58 Acenaphthylene	152	9.425	9.429	-0.004	101507	0.2349	
59 3-Nitroaniline	138	9.492	9.496	-0.004	13924	0.2414	
61 Acenaphthene	153	9.569	9.573	-0.004	68546	0.2318	
62 4-Nitrophenol	109	9.612	9.617	-0.005	5101	0.2500	
63 2,4-Dinitrotoluene	165	9.689	9.689	0.000	17426	0.2280	
64 Dibenzofuran	168	9.713	9.718	-0.005	96174	0.2465	
65 2,3,4,6-Tetrachlorophenol	232	9.810	9.814	-0.004	10008	0.2221	
66 Diethyl phthalate	149	9.877	9.881	-0.004	80858	0.2293	
67 4-Chlorophenyl phenyl ether	204	9.988	9.992	-0.004	35296	0.2380	
69 Fluorene	166	9.997	10.001	-0.004	73461	0.2263	
55 2-Nitroaniline	65	10.002	10.006	-0.004	17029	0.2699	
70 4,6-Dinitro-2-methylphenol	198	10.031	10.035	-0.004	3348	0.2500	
71 Diphenylamine	169	10.084	10.088	-0.004	63377	0.2446	
72 N-Nitrosodiphenylamine	169	10.084	10.088	-0.004	63377	0.2446	
73 1,2-Diphenylhydrazine	77	10.122	10.122	0.000	121278	0.2460	
74 Azobenzene	77	10.122	10.122	0.000	121278	0.2460	
13 Benzophenone	105	10.132	10.136	-0.004	67954	0.2396	
75 4-Bromophenyl phenyl ether	248	10.401	10.400	0.001	16150	0.2314	
76 Hexachlorobenzene	284	10.464	10.468	-0.004	17022	0.2421	
77 Atrazine	200	10.512	10.516	-0.004	14697	0.2231	
79 Pentachloronitrobenzene	237	10.632	10.636	-0.004	6804	0.2307	
80 Phenanthrene	178	10.805	10.809	-0.004	102993	0.2373	
81 Anthracene	178	10.848	10.852	-0.004	90079	0.2325	
83 Carbazole	167	10.973	10.978	-0.005	77395	0.2446	
84 Di-n-butyl phthalate	149	11.233	11.237	-0.004	126369	0.2359	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	11.800	11.805	-0.005	82096	0.2278	
85 Pyrene	202	11.998	12.002	-0.004	85907	0.2592	
89 Butyl benzyl phthalate	149	12.594	12.598	-0.004	36318	0.2344	
91 3,3'-Dichlorobenzidine	252	13.310	13.315	-0.005	8310	0.2254	
92 Bis(2-ethylhexyl) phthalate	149	13.358	13.363	-0.005	74799	0.2536	
93 Benzo[a]anthracene	228	13.368	13.372	-0.004	47799	0.2364	
94 Chrysene	228	13.421	13.430	-0.009	46975	0.2462	
95 Di-n-octyl phthalate	149	14.628	14.627	0.001	39449	0.1892	
97 Benzo[b]fluoranthene	252	15.388	15.397	-0.009	33572	0.2216	
98 Benzo[k]fluoranthene	252	15.431	15.440	-0.009	28026	0.2226	
99 Benzo[a]pyrene	252	15.859	15.863	-0.004	19227	0.2105	
100 Indeno[1,2,3-cd]pyrene	276	17.465	17.468	-0.003	15082	0.2158	
101 Dibenz(a,h)anthracene	278	17.489	17.502	-0.013	10809	0.2070	
102 Benzo[g,h,i]perylene	276	17.903	17.912	-0.009	16279	0.2353	

Report Date: 30-Sep-2009 14:11:50 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D

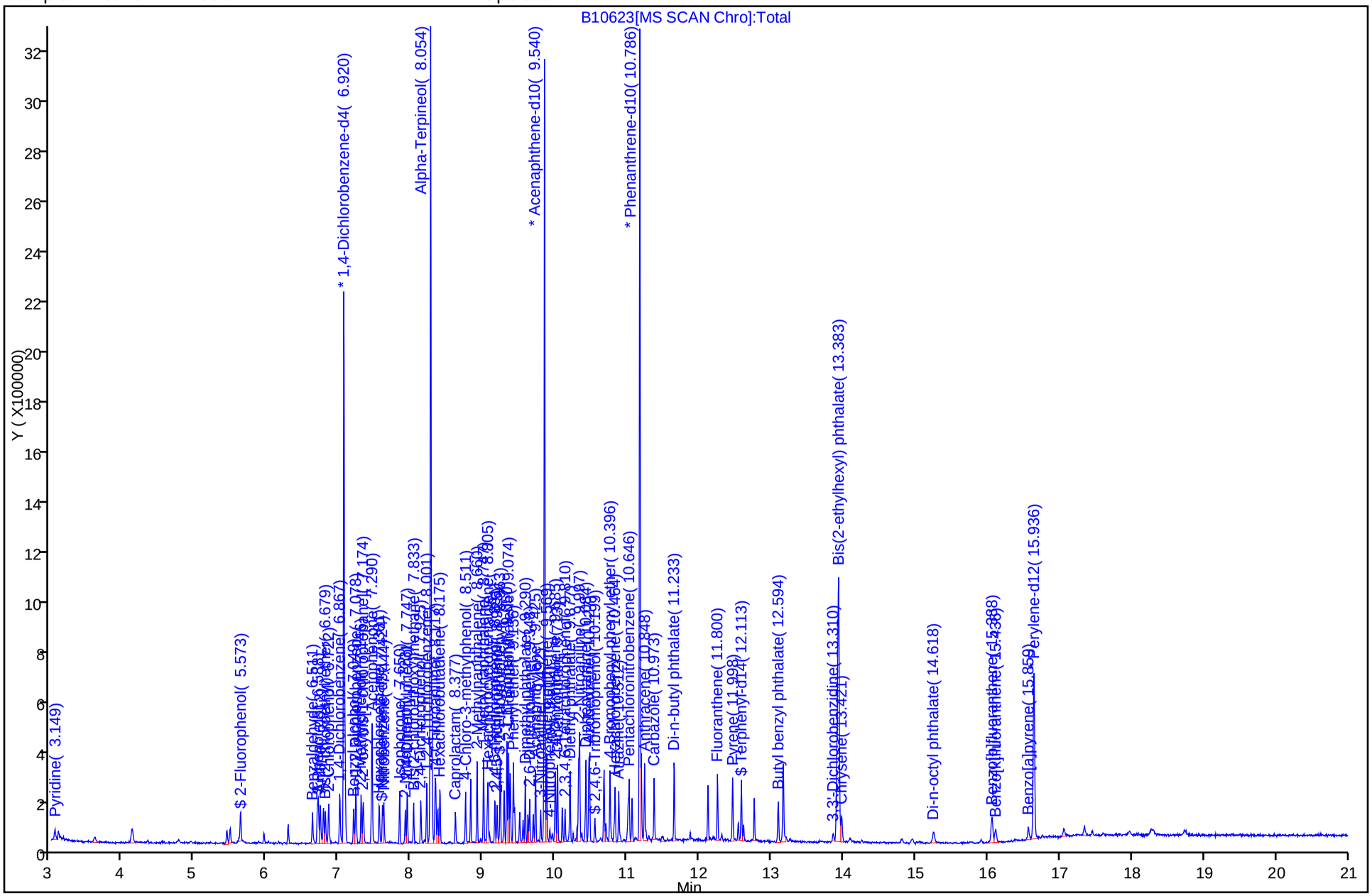
Inj Date: 29-Sep-2009 18:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

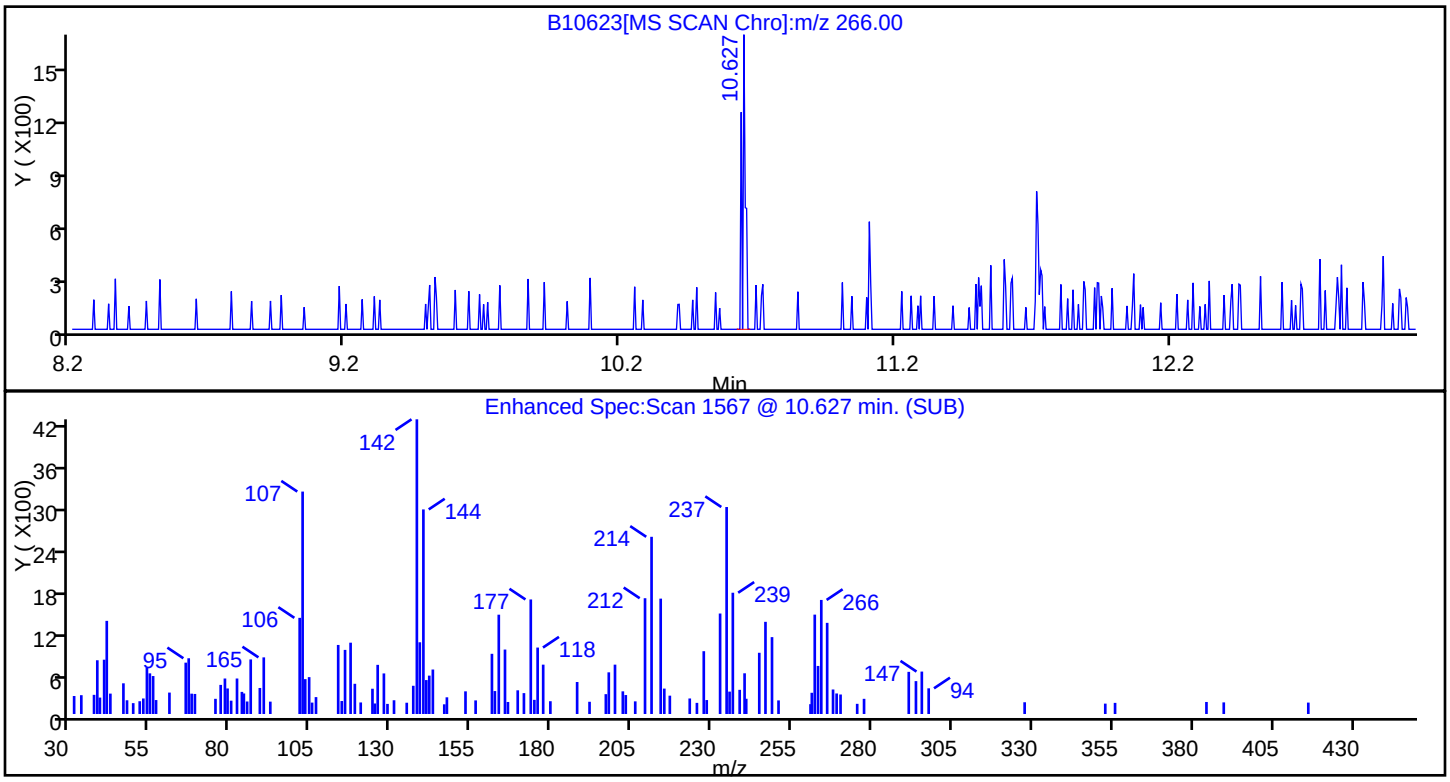


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Inj Date:	29-Sep-2009 18:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.63	266.00	1228	0.061396
10.62	264.00	1645	
10.62	268.00	1222	

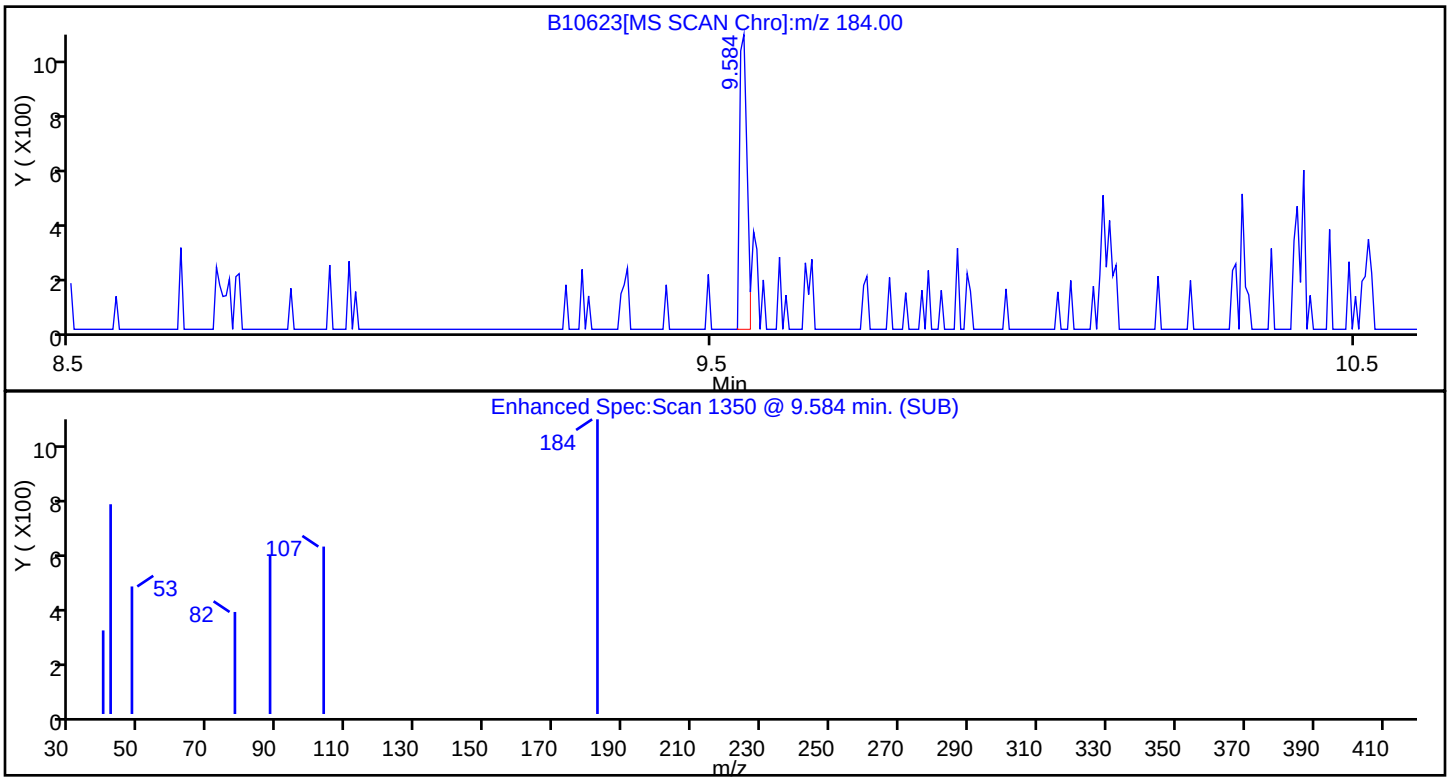
Reviewer: sullivanp, 30-Sep-2009 14:11:49
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Inj Date:	29-Sep-2009 18:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.58	184.00	823	0.063497
9.57	63.00	6033	
9.57	154.00	63263	

Reviewer: sullivanp, 30-Sep-2009 14:11:49
Audit Action: Marked Compound Undetected
Audit Reason:

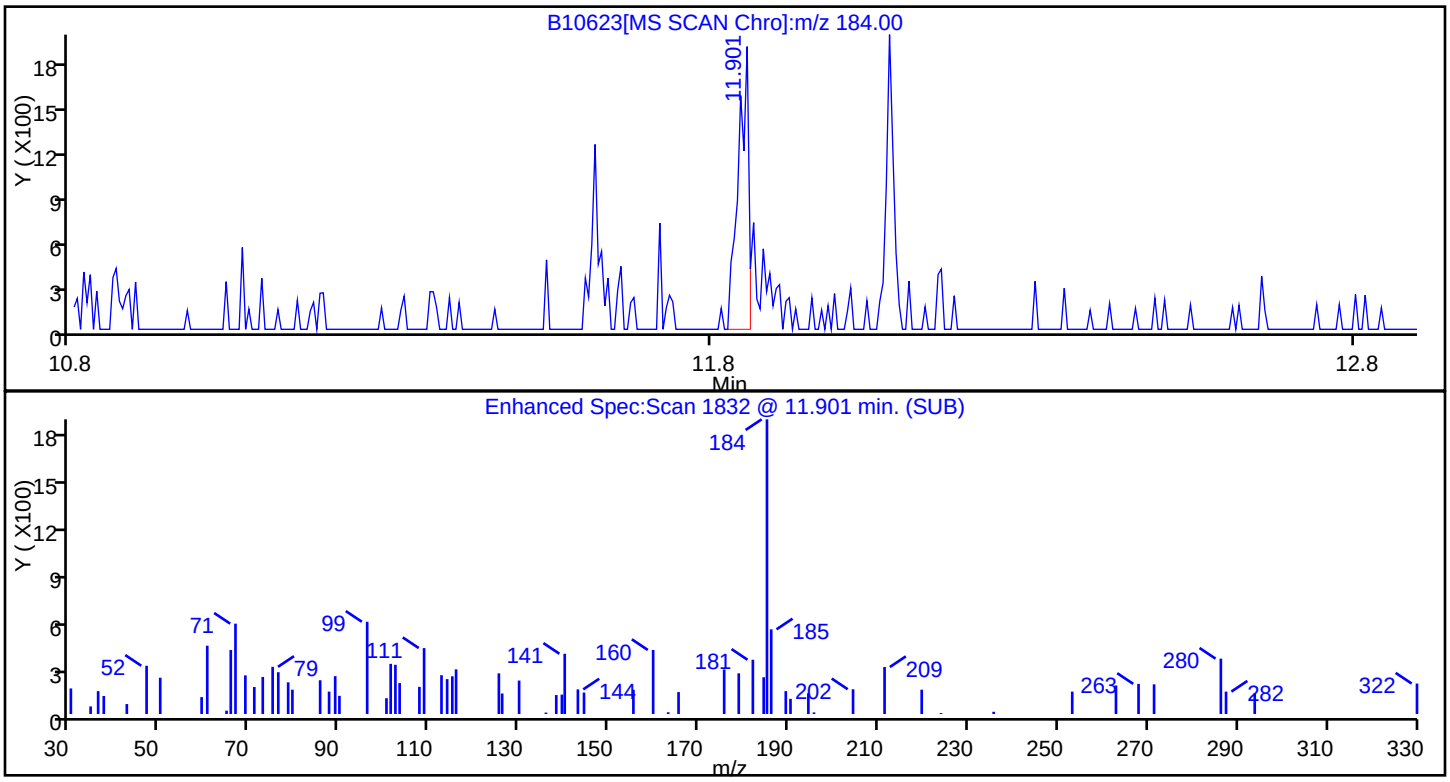
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Inj Date:	29-Sep-2009 18:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
11.90	184.00	1988	0.250000
11.90	92.00	567	
11.89	156.00	148	

Reviewer: sullivanp, 30-Sep-2009 14:11:49
Audit Action: Marked Compound Undetected
Audit Reason:

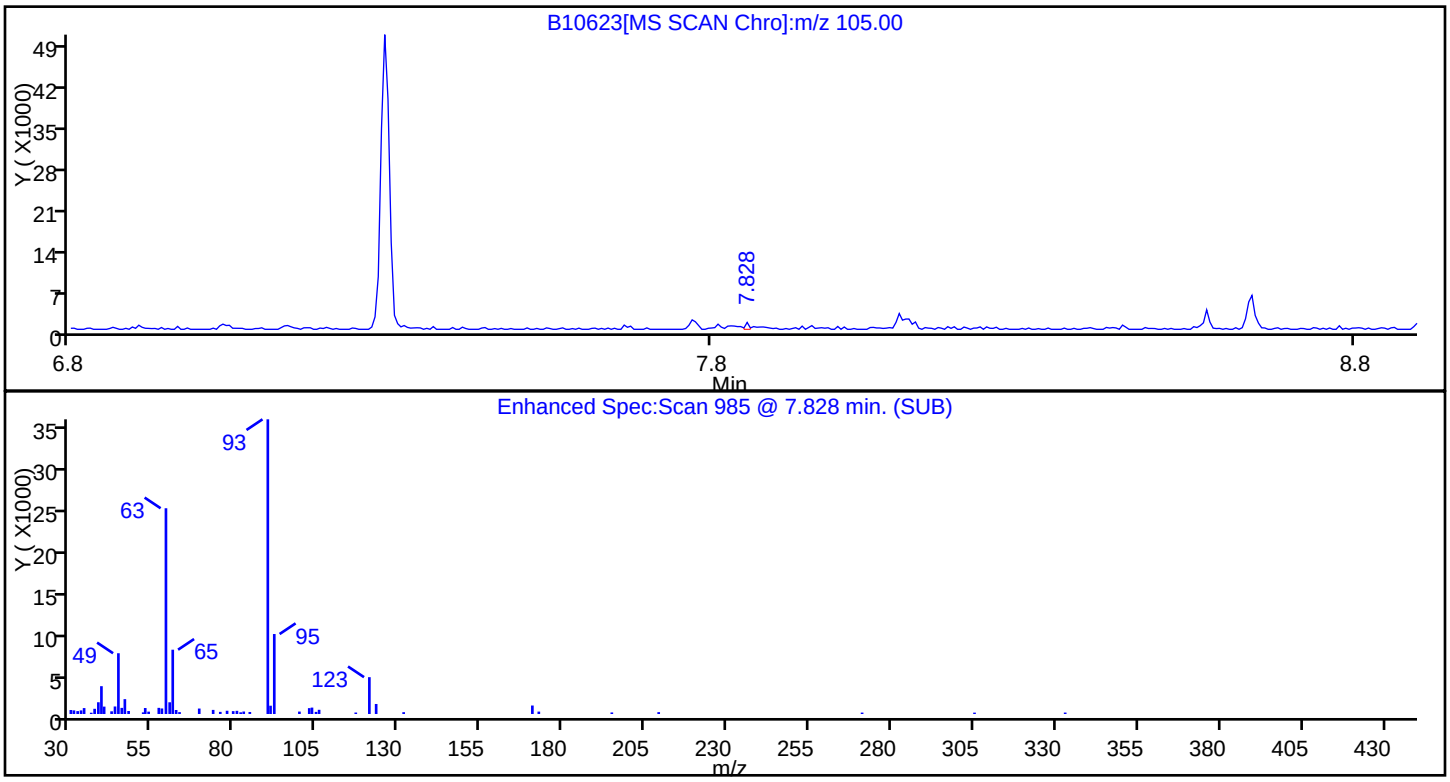
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10623.D		
Inj Date:	29-Sep-2009 18:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.83	105.00	473	0.250000
7.83	122.00	522	
7.83	77.00	391	

Reviewer: sullivanp, 30-Sep-2009 14:11:49
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D		
Lims ID:	std05	Client ID:	
Inject. Date:	29-Sep-2009 18:31:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49685	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:11:56	Calib Date:	29-Sep-2009 18:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:11:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.921	6.924	-0.003	465469	2.00	
* 2 Naphthalene-d8	136	8.056	8.059	-0.003	1131834	2.00	
* 3 Acenaphthene-d10	164	9.542	9.544	-0.002	552828	2.00	
* 4 Phenanthrene-d10	188	10.787	10.790	-0.003	932552	2.00	
* 5 Chrysene-d12	240	13.384	13.387	-0.003	543394	2.00	
* 6 Perylene-d12	264	15.937	15.935	0.002	340470	2.00	
$ 7 2-Fluorophenol	112	5.570	5.572	-0.002	52649	0.4696	
$ 8 Phenol-d5	99	6.575	6.577	-0.002	75376	0.5128	
$ 9 Nitrobenzene-d5	82	7.426	7.429	-0.003	73735	0.4837	
$ 10 2-Fluorobiphenyl	172	8.965	8.967	-0.002	159987	0.5066	
$ 11 2,4,6-Tribromophenol	330	10.200	10.203	-0.003	11152	0.4349	
$ 12 Terphenyl-d14	244	12.114	12.117	-0.003	106780	0.4952	
15 N-Nitrosodimethylamine	42	3.151	3.144	0.007	45916	0.5159	
16 Pyridine	79	3.170	3.144	0.026	42123	0.5191	
17 Benzaldehyde	105	6.512	6.510	0.002	39267	0.5117	
18 Phenol	94	6.589	6.592	-0.003	77036	0.4857	
19 Aniline	93	6.613	6.616	-0.003	89302	0.5101	
20 Bis(2-chloroethyl)ether	93	6.680	6.683	-0.003	59403	0.4918	
21 2-Chlorophenol	128	6.724	6.727	-0.003	68415	0.5026	
22 1,4-Dichlorobenzene	146	6.868	6.871	-0.003	84712	0.5049	
23 1,3-Dichlorobenzene	146	6.935	6.938	-0.003	87190	0.5127	
24 Benzyl alcohol	79	7.051	7.054	-0.003	53747	0.5158	
25 1,2-Dichlorobenzene	146	7.079	7.078	0.001	82549	0.5136	
26 2-Methylphenol	108	7.147	7.150	-0.003	57696	0.5093	
27 2,2'-oxybis[1-chloropropane]	45	7.176	7.179	-0.003	116615	0.5113	
28 3 & 4 Methylphenol	108	7.281	7.289	-0.008	61988	0.5139	
30 Acetophenone	105	7.291	7.294	-0.003	91478	0.5156	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.291	7.294	-0.003	48073	0.5479	
31 Hexachloroethane	117	7.382	7.385	-0.003	31367	0.4922	
32 Nitrobenzene	77	7.445	7.443	0.002	73877	0.4834	
33 Isophorone	82	7.652	7.655	-0.003	123596	0.5175	
34 2-Nitrophenol	139	7.724	7.727	-0.003	33545	0.4971	
35 2,4-Dimethylphenol	107	7.748	7.751	-0.003	65418	0.4975	
36 Benzoic acid	105	7.791	7.791	0.000	4388	0.5000	M
37 Bis(2-chloroethoxy)methane	93	7.834	7.833	0.001	73055	0.4954	
38 2,4-Dichlorophenol	162	7.926	7.929	-0.003	51385	0.4741	
39 1,2,4-Trichlorobenzene	180	8.003	8.006	-0.003	68754	0.5183	
40 Alpha-Terpineol	59	8.070	8.073	-0.003	59868	0.4788	
41 Naphthalene	128	8.075	8.078	-0.003	214809	0.4865	
42 4-Chloroaniline	127	8.113	8.116	-0.003	75682	0.5043	
43 Hexachlorobutadiene	225	8.176	8.179	-0.003	35037	0.5133	
44 Caprolactam	55	8.378	8.405	-0.027	23578	0.3839	
45 4-Chloro-3-methylphenol	107	8.513	8.515	-0.003	56866	0.5020	
46 2-Methylnaphthalene	142	8.662	8.664	-0.002	145712	0.5012	
47 1-Methylnaphthalene	142	8.748	8.751	-0.003	138710	0.4838	
48 Hexachlorocyclopentadiene	237	8.796	8.794	0.002	18110	0.4627	
49 1,2,4,5-Tetrachlorobenzene	216	8.806	8.809	-0.003	57240	0.4856	
50 2,4,6-Trichlorophenol	196	8.892	8.895	-0.003	35400	0.5046	
51 2,4,5-Trichlorophenol	196	8.921	8.929	-0.008	37304	0.4660	
52 1,1'-Biphenyl	154	9.051	9.054	-0.003	168720	0.4934	
53 2-Chloronaphthalene	162	9.075	9.078	-0.003	157667	0.4837	
54 Phenyl ether	170	9.138	9.141	-0.003	89727	0.5022	
68 4-Nitroaniline	138	9.152	9.155	-0.003	36677	0.4300	
56 Dimethyl phthalate	163	9.292	9.299	-0.007	152290	0.5025	
57 2,6-Dinitrotoluene	165	9.349	9.352	-0.003	32222	0.5138	
58 Acenaphthylene	152	9.426	9.429	-0.003	208896	0.5023	
59 3-Nitroaniline	138	9.494	9.496	-0.002	30588	0.5454	
61 Acenaphthene	153	9.570	9.573	-0.003	140653	0.4962	
60 2,4-Dinitrophenol	184	9.585	9.583	0.002	3624	0.5000	
62 4-Nitrophenol	109	9.609	9.617	-0.008	13123	0.4572	
63 2,4-Dinitrotoluene	165	9.686	9.689	-0.003	36446	0.4372	
64 Dibenzofuran	168	9.710	9.718	-0.008	183095	0.4912	
65 2,3,4,6-Tetrachlorophenol	232	9.811	9.814	-0.003	23903	0.4557	
66 Diethyl phthalate	149	9.873	9.881	-0.008	158317	0.4749	
67 4-Chlorophenyl phenyl ether	204	9.989	9.992	-0.003	67600	0.4805	
69 Fluorene	166	9.998	10.001	-0.003	150628	0.4870	
55 2-Nitroaniline	65	9.998	10.006	-0.008	38121	0.6392	
70 4,6-Dinitro-2-methylphenol	198	10.027	10.035	-0.008	9824	0.4508	
71 Diphenylamine	169	10.080	10.088	-0.008	124915	0.4846	
72 N-Nitrosodiphenylamine	169	10.080	10.088	-0.008	124915	0.4846	
73 1,2-Diphenylhydrazine	77	10.123	10.122	0.001	247633	0.4999	
74 Azobenzene	77	10.123	10.122	0.001	247633	0.4999	
13 Benzophenone	105	10.128	10.136	-0.008	136547	0.4840	
75 4-Bromophenyl phenyl ether	248	10.398	10.400	-0.002	35954	0.5094	
76 Hexachlorobenzene	284	10.465	10.468	-0.003	32724	0.4717	
77 Atrazine	200	10.513	10.516	-0.003	36626	0.5430	
78 Pentachlorophenol	266	10.624	10.626	-0.002	7483	0.5000	
79 Pentachloronitrobenzene	237	10.633	10.636	-0.003	13921	0.4221	
80 Phenanthrene	178	10.806	10.809	-0.003	206666	0.4800	

Report Date: 30-Sep-2009 14:11:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.850	10.852	-0.002	193332	0.4974	
83 Carbazole	167	10.975	10.978	-0.003	165325	0.5147	
84 Di-n-butyl phthalate	149	11.234	11.237	-0.003	246014	0.4670	
87 Fluoranthene	202	11.802	11.805	-0.003	174811	0.4869	
86 Benzidine	184	11.893	11.896	-0.003	8574	0.5000	
85 Pyrene	202	11.999	12.002	-0.003	183208	0.5000	
89 Butyl benzyl phthalate	149	12.595	12.598	-0.003	88047	0.5105	
91 3,3'-Dichlorobenzidine	252	13.312	13.315	-0.003	21712	0.4815	
92 Bis(2-ethylhexyl) phthalate	149	13.360	13.363	-0.003	131802	0.4246	
93 Benzo[a]anthracene	228	13.365	13.372	-0.007	114054	0.5077	
94 Chrysene	228	13.422	13.430	-0.008	109089	0.5127	
95 Di-n-octyl phthalate	149	14.624	14.627	-0.003	109394	0.4081	
97 Benzo[b]fluoranthene	252	15.389	15.397	-0.008	81856	0.4960	
98 Benzo[k]fluoranthene	252	15.428	15.440	-0.012	67933	0.4994	
99 Benzo[a]pyrene	252	15.860	15.863	-0.003	49796	0.4394	
100 Indeno[1,2,3-cd]pyrene	276	17.466	17.468	-0.002	32206	0.4005	
101 Dibenz(a,h)anthracene	278	17.500	17.502	-0.002	23416	0.3864	
102 Benzo[g,h,i]perylene	276	17.904	17.912	-0.008	34548	0.4671	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 14:11:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D

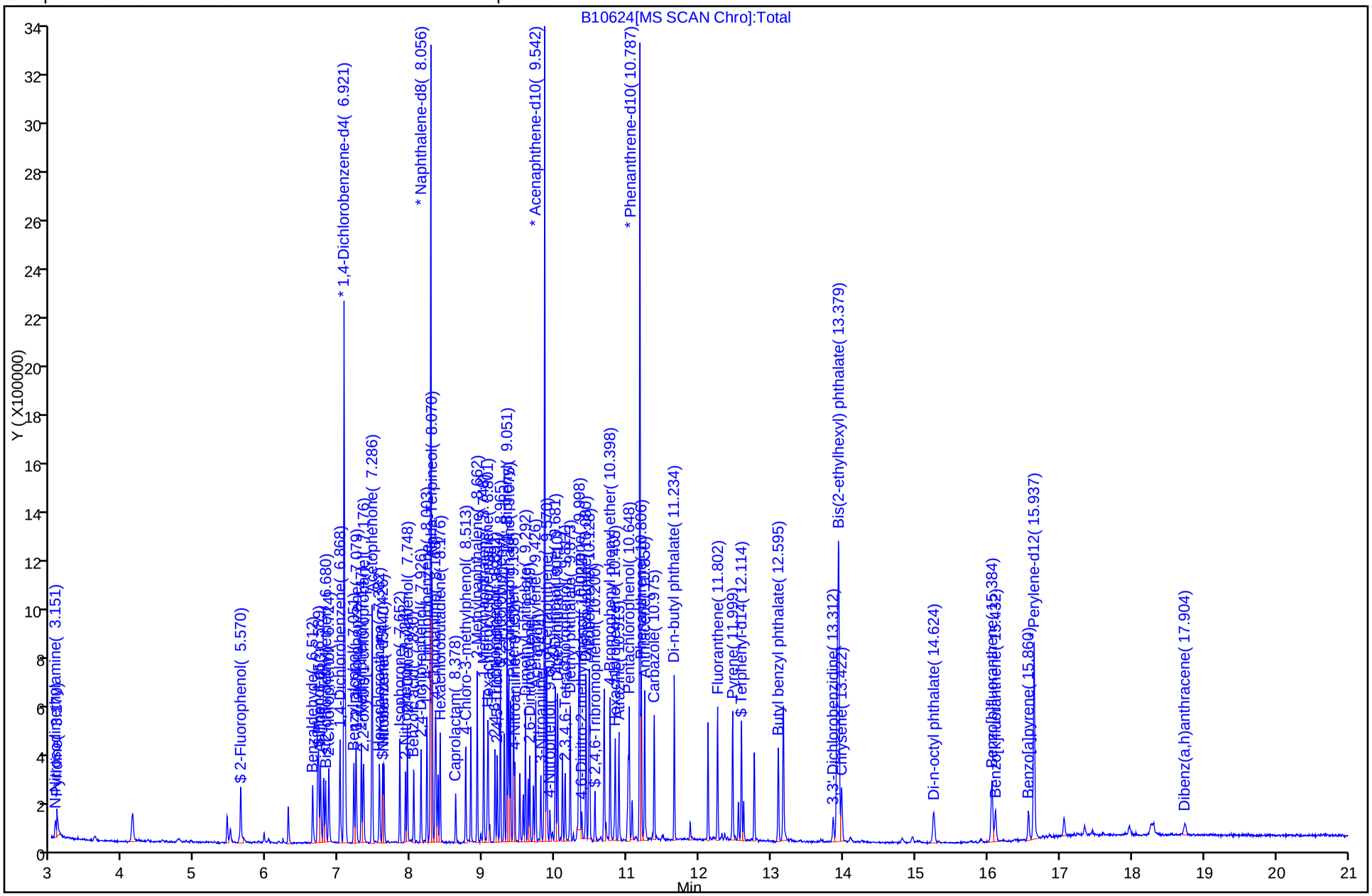
Inj Date: 29-Sep-2009 18:31:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ

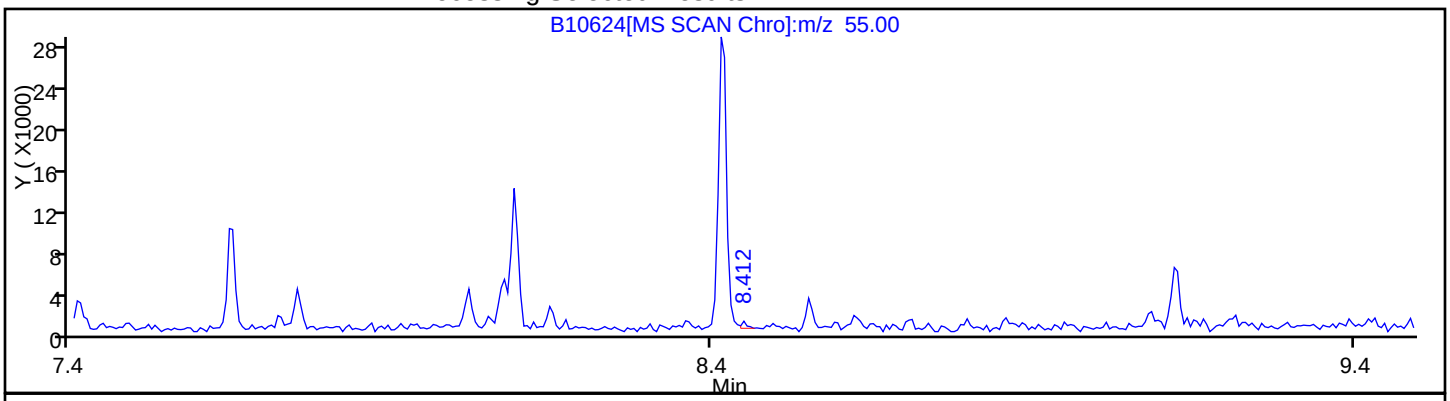


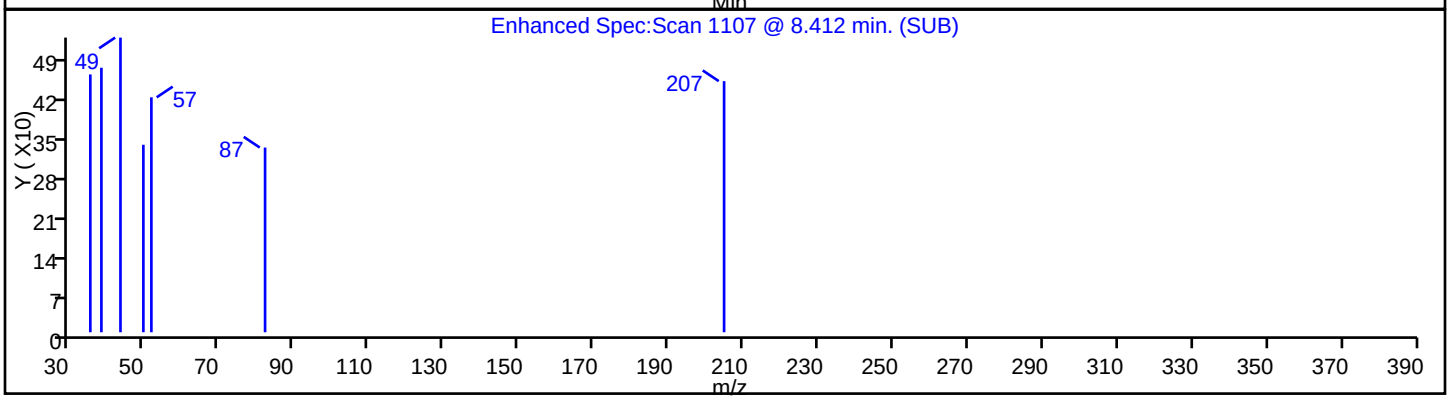
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D		
Inj Date:	29-Sep-2009 18:31:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

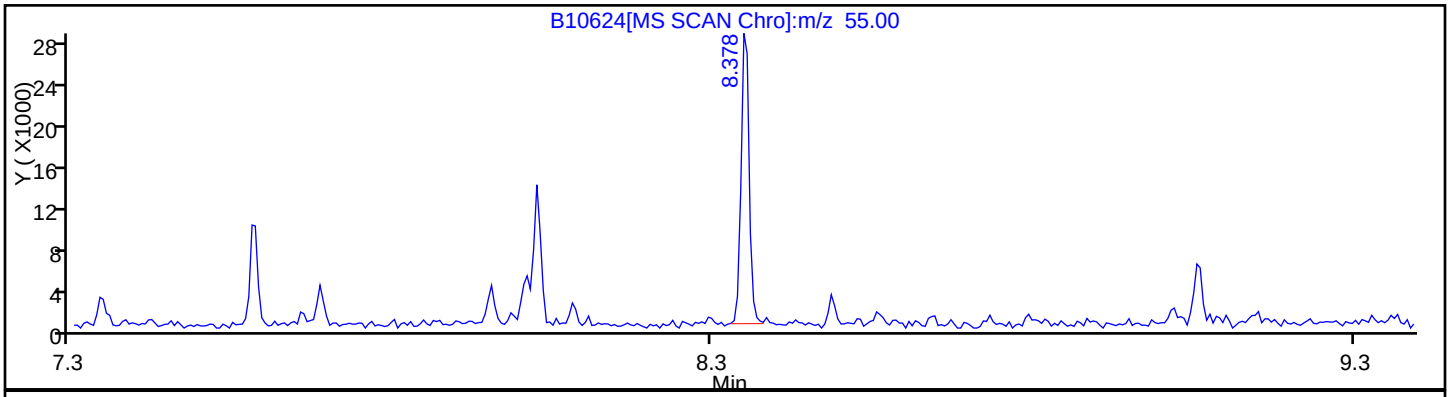
44 Caprolactam

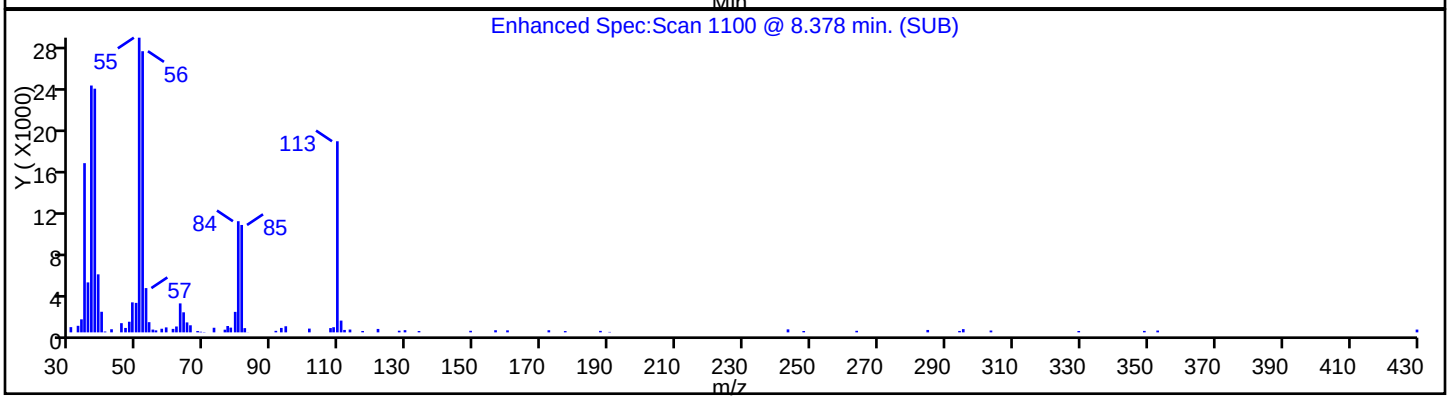
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 14:11:56
Audit Action: Selected Alternate Hit
Audit Reason:

Chrom Revision: 1.1 20-Sep-2009 21:03:36

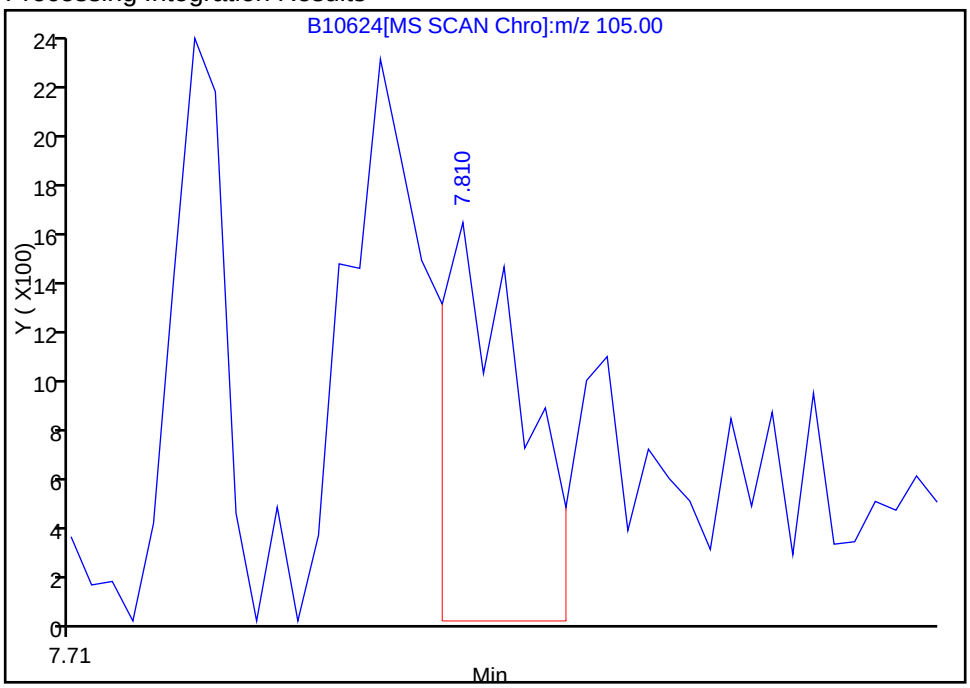
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10624.D		
Inj Date:	29-Sep-2009 18:31:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.79

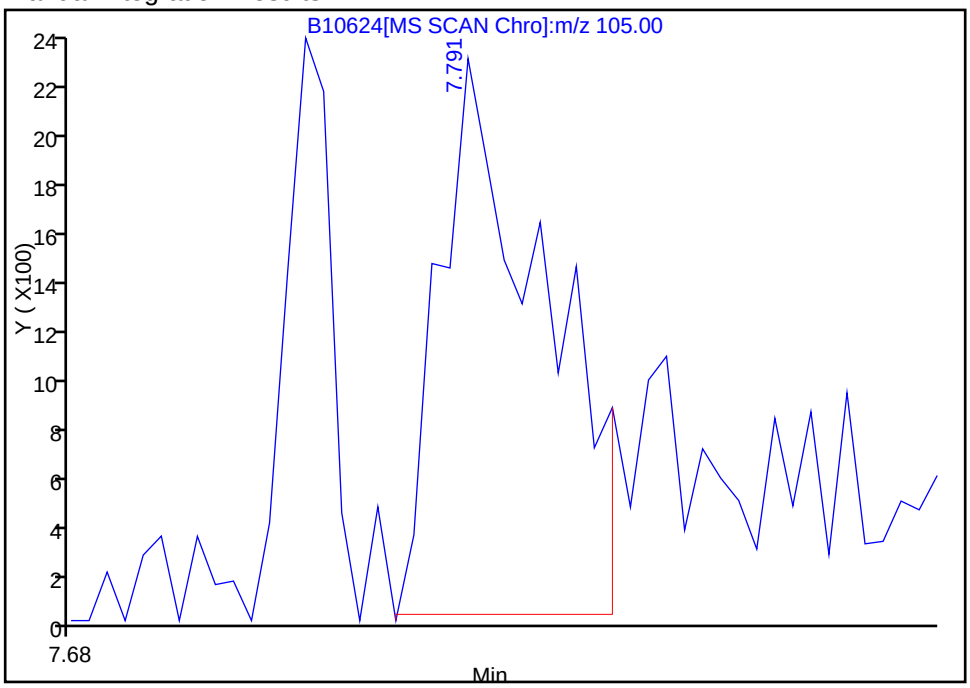
Processing Integration Results

RT: 7.81
Response: 2095
Amount: 0.500000



Manual Integration Results

RT: 7.79
Response: 4388
Amount: 0.500000



Reviewer: sullivanp, 30-Sep-2009 14:11:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10625.D		
Lims ID:	std1	Client ID:	
Inject. Date:	29-Sep-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49685	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:12:02	Calib Date:	29-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10625.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:12:02

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.919	6.924	-0.005	497262	2.00	
* 2 Naphthalene-d8	136	8.054	8.059	-0.005	1213951	2.00	
* 3 Acenaphthene-d10	164	9.545	9.544	0.001	586920	2.00	
* 4 Phenanthrene-d10	188	10.786	10.790	-0.004	993545	2.00	
* 5 Chrysene-d12	240	13.382	13.387	-0.005	639513	2.00	
* 6 Perylene-d12	264	15.936	15.935	0.001	432728	2.00	
$ 7 2-Fluorophenol	112	5.573	5.572	0.001	133687	1.09	
$ 8 Phenol-d5	99	6.573	6.577	-0.004	158749	1.01	
$ 9 Nitrobenzene-d5	82	7.424	7.429	-0.005	162803	1.00	
$ 10 2-Fluorobiphenyl	172	8.963	8.967	-0.004	331638	0.99	
$ 11 2,4,6-Tribromophenol	330	10.199	10.203	-0.004	26879	0.9317	
$ 12 Terphenyl-d14	244	12.113	12.117	-0.004	243178	0.9663	
15 N-Nitrosodimethylamine	42	3.149	3.144	0.005	101444	1.05	
16 Pyridine	79	3.159	3.144	0.015	105823	1.05	
17 Benzaldehyde	105	6.511	6.510	0.001	87635	1.05	
18 Phenol	94	6.588	6.592	-0.004	181181	1.05	
19 Aniline	93	6.612	6.616	-0.004	198848	1.05	
20 Bis(2-chloroethyl)ether	93	6.679	6.683	-0.004	131263	1.01	
21 2-Chlorophenol	128	6.722	6.727	-0.005	149207	1.02	
22 1,4-Dichlorobenzene	146	6.867	6.871	-0.004	176088	0.9859	
23 1,3-Dichlorobenzene	146	6.939	6.938	0.001	189416	1.03	
24 Benzyl alcohol	79	7.049	7.054	-0.005	125180	1.10	
25 1,2-Dichlorobenzene	146	7.078	7.078	0.000	168715	0.9860	
26 2-Methylphenol	108	7.145	7.150	-0.005	130796	1.06	
27 2,2'-oxybis[1-chloropropane]	45	7.174	7.179	-0.005	251919	1.03	
28 3 & 4 Methylphenol	108	7.285	7.289	-0.004	136949	1.05	
30 Acetophenone	105	7.290	7.294	-0.004	198267	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.290	7.294	-0.004	101572	1.07	
31 Hexachloroethane	117	7.381	7.385	-0.004	69053	1.01	
32 Nitrobenzene	77	7.444	7.443	0.001	164004	1.00	
33 Isophorone	82	7.650	7.655	-0.005	265420	1.03	
34 2-Nitrophenol	139	7.722	7.727	-0.005	79176	1.07	
35 2,4-Dimethylphenol	107	7.747	7.751	-0.004	144663	1.02	
36 Benzoic acid	105	7.795	7.795	0.000	17736	0.8477	M
37 Bis(2-chloroethoxy)methane	93	7.833	7.833	0.000	152034	0.9688	
38 2,4-Dichlorophenol	162	7.924	7.929	-0.005	118158	1.01	
39 1,2,4-Trichlorobenzene	180	8.006	8.006	0.000	140749	0.99	
40 Alpha-Terpineol	59	8.069	8.073	-0.004	138087	1.02	
41 Naphthalene	128	8.074	8.078	-0.004	459968	0.9769	
42 4-Chloroaniline	127	8.112	8.116	-0.004	170228	1.05	
43 Hexachlorobutadiene	225	8.179	8.179	0.000	74110	1.01	
44 Caprolactam	55	8.381	8.405	-0.024	67773	1.03	
45 4-Chloro-3-methylphenol	107	8.511	8.515	-0.004	121536	1.00	
46 2-Methylnaphthalene	142	8.660	8.664	-0.004	299462	0.9681	
47 1-Methylnaphthalene	142	8.747	8.751	-0.004	299921	0.9802	
48 Hexachlorocyclopentadiene	237	8.795	8.794	0.001	51270	1.18	
49 1,2,4,5-Tetrachlorobenzene	216	8.804	8.809	-0.005	120161	0.9599	
50 2,4,6-Trichlorophenol	196	8.896	8.895	0.001	76758	1.02	
51 2,4,5-Trichlorophenol	196	8.925	8.929	-0.004	81107	0.9171	
52 1,1'-Biphenyl	154	9.050	9.054	-0.004	360204	0.99	
53 2-Chloronaphthalene	162	9.074	9.078	-0.004	324778	0.9501	
54 Phenyl ether	170	9.136	9.141	-0.005	187367	0.9821	
68 4-Nitroaniline	138	9.151	9.155	-0.004	86202	0.8968	
56 Dimethyl phthalate	163	9.290	9.299	-0.009	323163	1.00	
57 2,6-Dinitrotoluene	165	9.348	9.352	-0.004	72749	1.07	
58 Acenaphthylene	152	9.425	9.429	-0.004	451079	1.02	
59 3-Nitroaniline	138	9.492	9.496	-0.004	71971	1.16	
61 Acenaphthene	153	9.569	9.573	-0.004	299174	1.00	
60 2,4-Dinitrophenol	184	9.579	9.583	-0.004	13436	0.9214	
62 4-Nitrophenol	109	9.612	9.617	-0.005	39663	1.03	
63 2,4-Dinitrotoluene	165	9.689	9.689	0.000	90014	1.00	
64 Dibenzofuran	168	9.713	9.718	-0.005	398539	1.01	
65 2,3,4,6-Tetrachlorophenol	232	9.810	9.814	-0.004	54686	0.9674	
66 Diethyl phthalate	149	9.877	9.881	-0.004	342425	0.9739	
67 4-Chlorophenyl phenyl ether	204	9.987	9.992	-0.005	145714	0.9803	
69 Fluorene	166	10.002	10.001	0.001	325122	0.99	
55 2-Nitroaniline	65	10.002	10.006	-0.004	85432	1.01	
70 4,6-Dinitro-2-methylphenol	198	10.031	10.035	-0.004	29108	0.9438	
71 Diphenylamine	169	10.084	10.088	-0.004	270491	0.9879	
72 N-Nitrosodiphenylamine	169	10.084	10.088	-0.004	270491	0.9879	
73 1,2-Diphenylhydrazine	77	10.122	10.122	0.000	541810	1.02	
74 Azobenzene	77	10.122	10.122	0.000	541810	1.02	
13 Benzophenone	105	10.132	10.136	-0.004	308435	1.02	
75 4-Bromophenyl phenyl ether	248	10.396	10.400	-0.004	75846	1.01	
76 Hexachlorobenzene	284	10.464	10.468	-0.004	72120	0.9805	
77 Atrazine	200	10.512	10.516	-0.004	78689	1.07	
78 Pentachlorophenol	266	10.622	10.626	-0.004	22523	0.9064	
79 Pentachloronitrobenzene	237	10.637	10.636	0.001	34575	0.9104	
80 Phenanthrene	178	10.805	10.809	-0.004	440833	0.9686	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.848	10.852	-0.004	421288	1.01	
83 Carbazole	167	10.973	10.978	-0.005	368101	1.06	
84 Di-n-butyl phthalate	149	11.238	11.237	0.001	535619	0.9631	
87 Fluoranthene	202	11.800	11.805	-0.005	402662	1.04	
86 Benzidine	184	11.897	11.896	0.001	26685	0.9434	
85 Pyrene	202	11.998	12.002	-0.004	423748	0.9861	
89 Butyl benzyl phthalate	149	12.594	12.598	-0.004	198330	0.9815	
91 3,3'-Dichlorobenzidine	252	13.310	13.315	-0.005	63467	1.09	
92 Bis(2-ethylhexyl) phthalate	149	13.358	13.363	-0.005	312353	0.8805	
93 Benzo[a]anthracene	228	13.368	13.372	-0.004	260442	0.9880	
94 Chrysene	228	13.421	13.430	-0.009	237337	0.9578	
95 Di-n-octyl phthalate	149	14.628	14.627	0.001	321116	0.8039	
97 Benzo[b]fluoranthene	252	15.388	15.397	-0.009	208217	0.99	
98 Benzo[k]fluoranthene	252	15.436	15.440	-0.004	181254	1.04	
99 Benzo[a]pyrene	252	15.864	15.863	0.001	138843	0.9089	
100 Indeno[1,2,3-cd]pyrene	276	17.465	17.468	-0.003	93371	0.8685	
101 Dibenz(a,h)anthracene	278	17.499	17.502	-0.003	69698	0.8789	
102 Benzo[g,h,i]perylene	276	17.903	17.912	-0.009	90002	0.9657	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 14:12:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10625.D

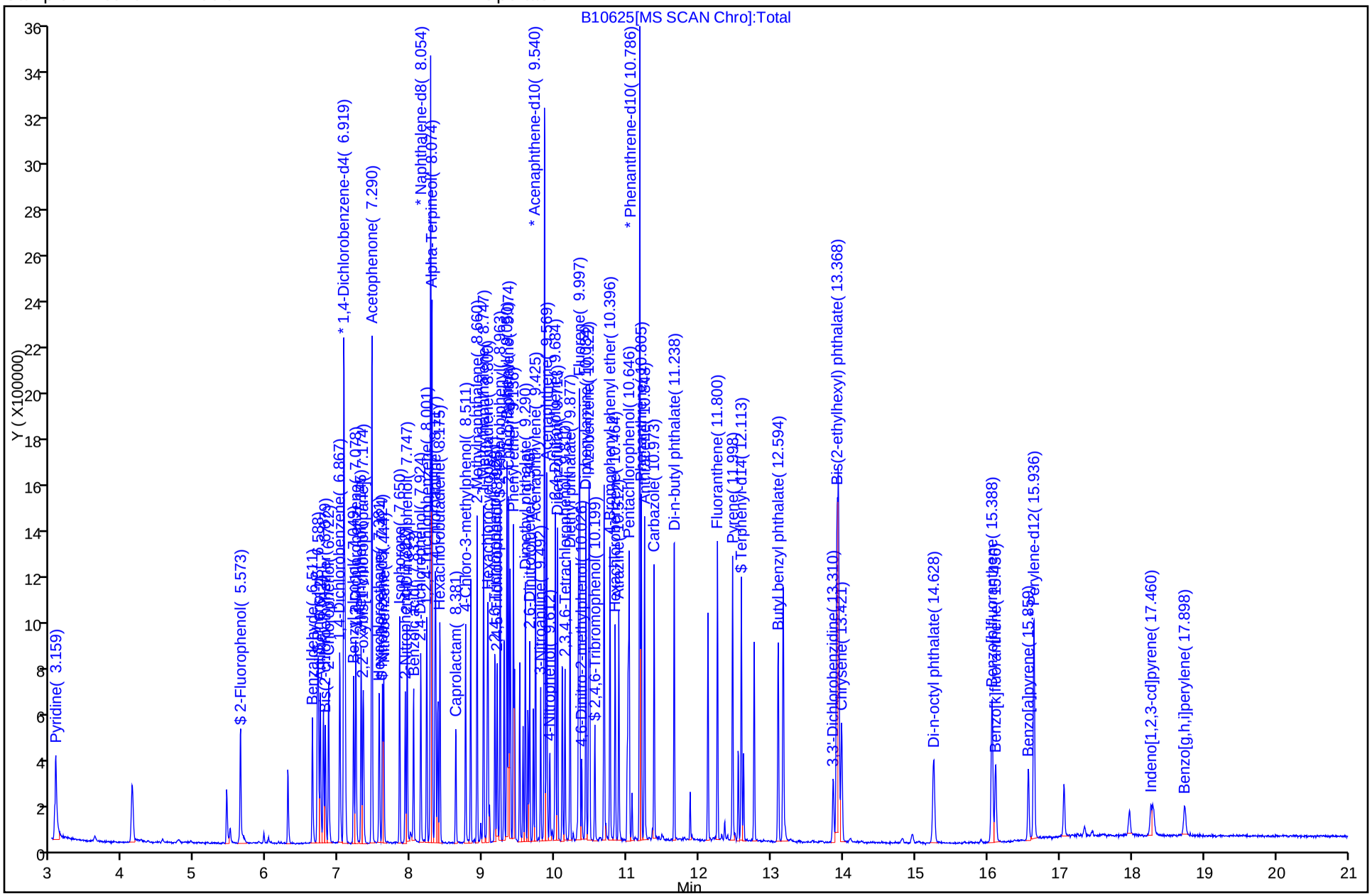
Inj Date: 29-Sep-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ

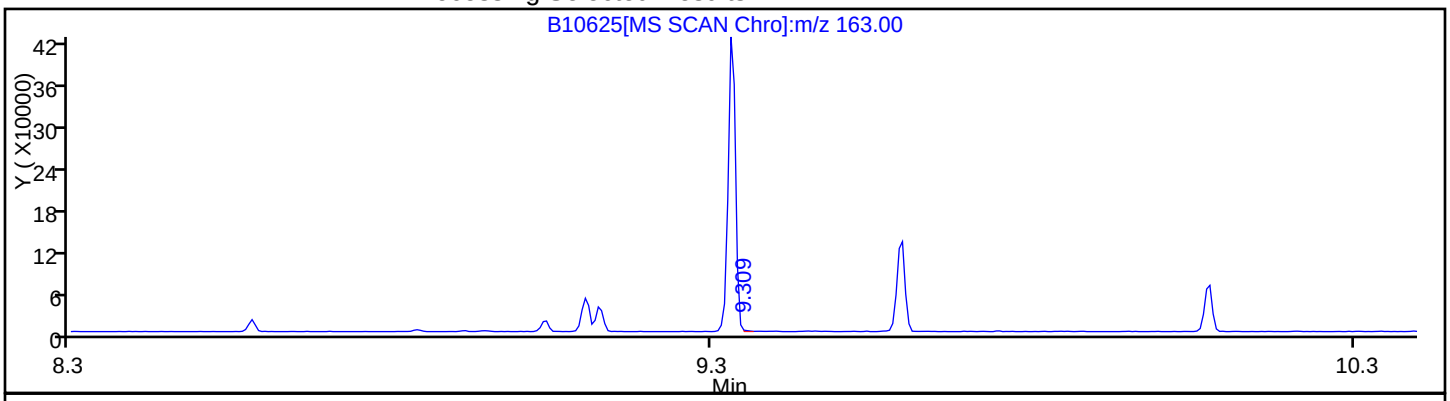


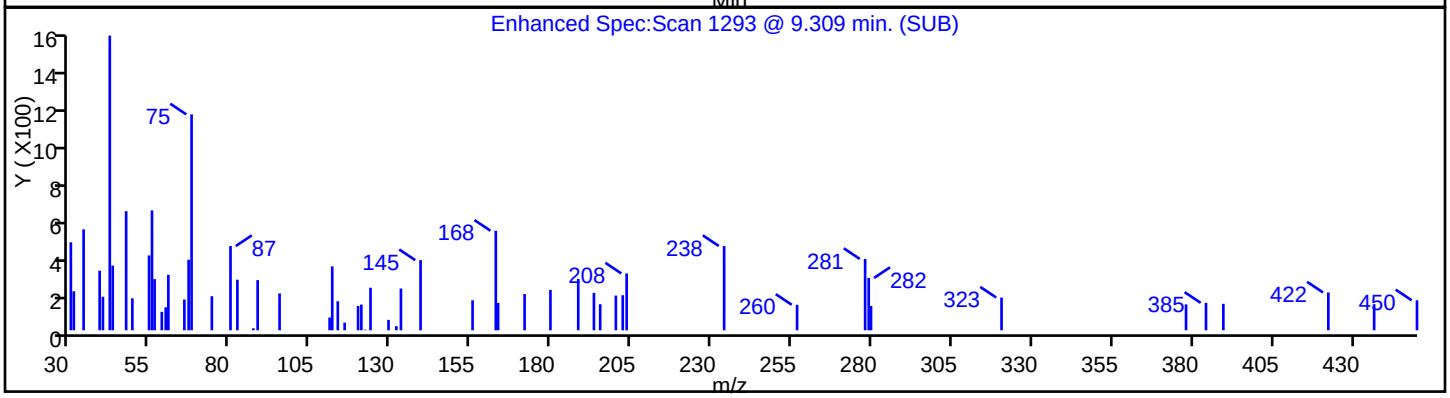
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10625.D		
Inj Date:	29-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

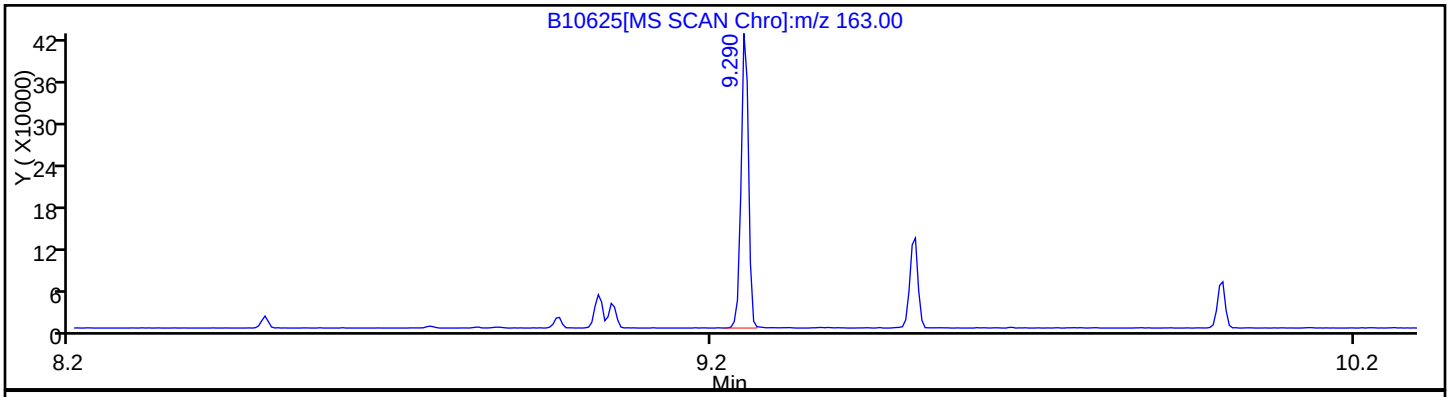
56 Dimethyl phthalate

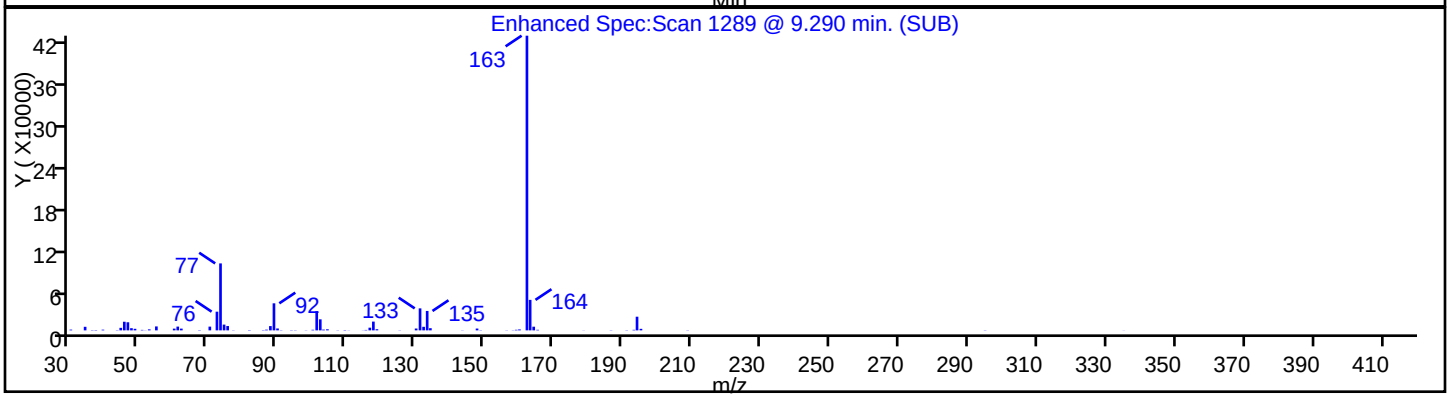
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 14:12:02
Audit Action: Selected Alternate Hit
Audit Reason:

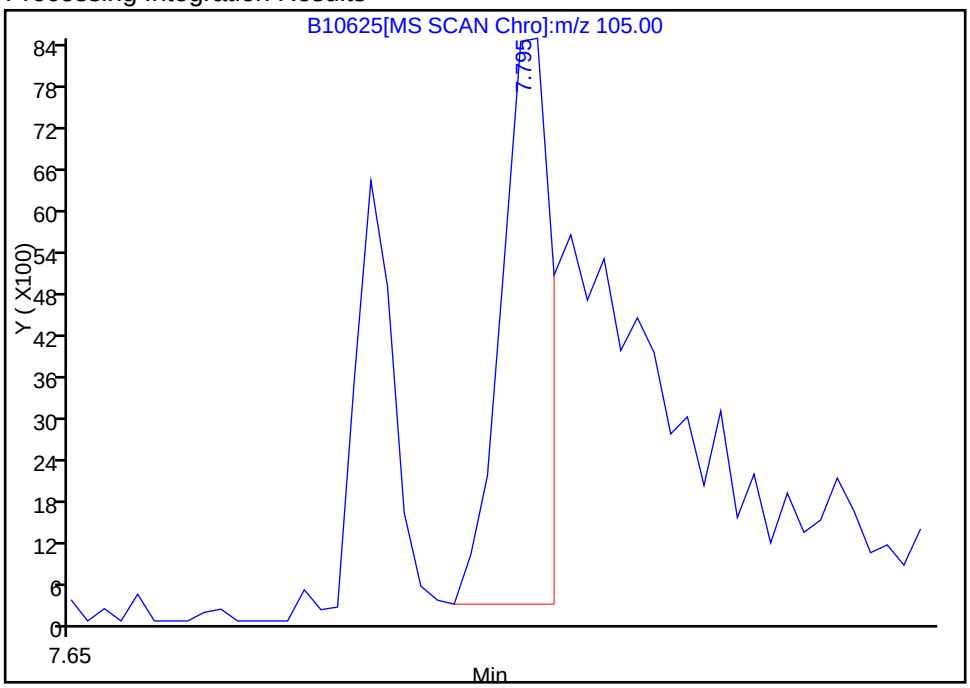
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10625.D		
Inj Date:	29-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.79

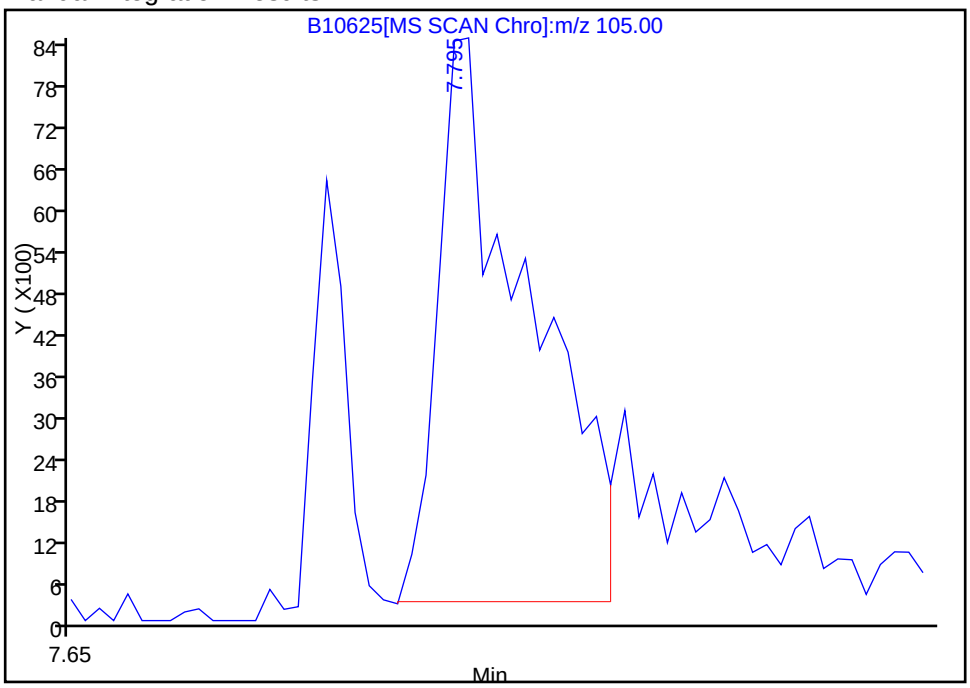
Processing Integration Results

RT: 7.79
Response: 8290
Amount: 0.765753



Manual Integration Results

RT: 7.79
Response: 17736
Amount: 0.847674



Reviewer: sullivanp, 30-Sep-2009 14:12:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10626.D		
Lims ID:	std25	Client ID:	
Inject. Date:	29-Sep-2009 19:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49685	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:12:08	Calib Date:	29-Sep-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10626.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:12:08

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.920	6.924	-0.004	524416	2.00	
* 2 Naphthalene-d8	136	8.055	8.059	-0.004	1299961	2.00	
* 3 Acenaphthene-d10	164	9.541	9.544	-0.003	591030	2.00	
* 4 Phenanthrene-d10	188	10.787	10.790	-0.003	1016026	2.00	
* 5 Chrysene-d12	240	13.383	13.387	-0.004	716201	2.00	
* 6 Perylene-d12	264	15.937	15.935	0.002	483556	2.00	
$ 7 2-Fluorophenol	112	5.569	5.572	-0.003	322802	2.50	
$ 8 Phenol-d5	99	6.574	6.577	-0.003	423213	2.54	
$ 9 Nitrobenzene-d5	82	7.425	7.429	-0.004	422135	2.43	
$ 10 2-Fluorobiphenyl	172	8.964	8.967	-0.003	855985	2.53	
$ 11 2,4,6-Tribromophenol	330	10.200	10.203	-0.003	76239	2.88	
$ 12 Terphenyl-d14	244	12.114	12.117	-0.003	636529	2.30	
15 N-Nitrosodimethylamine	42	3.145	3.144	0.001	261685	2.56	
16 Pyridine	79	3.150	3.144	0.006	283510	2.50	
17 Benzaldehyde	105	6.512	6.510	0.002	223499	2.54	
18 Phenol	94	6.589	6.592	-0.003	463469	2.55	
19 Aniline	93	6.613	6.616	-0.003	513083	2.56	
20 Bis(2-chloroethyl)ether	93	6.680	6.683	-0.003	331028	2.44	
21 2-Chlorophenol	128	6.723	6.727	-0.004	380007	2.47	
22 1,4-Dichlorobenzene	146	6.867	6.871	-0.004	452367	2.42	
23 1,3-Dichlorobenzene	146	6.940	6.938	0.002	466691	2.43	
24 Benzyl alcohol	79	7.050	7.054	-0.004	331808	2.71	
25 1,2-Dichlorobenzene	146	7.079	7.078	0.001	421195	2.36	
26 2-Methylphenol	108	7.146	7.150	-0.004	336290	2.58	
27 2,2'-oxybis[1-chloropropane]	45	7.175	7.179	-0.004	628132	2.44	
28 3 & 4 Methylphenol	108	7.286	7.289	-0.003	363361	2.62	
30 Acetophenone	105	7.291	7.294	-0.003	515708	2.55	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.291	7.294	-0.003	270341	2.66	
31 Hexachloroethane	117	7.382	7.385	-0.003	174418	2.43	
32 Nitrobenzene	77	7.445	7.443	0.001	421942	2.42	
33 Isophorone	82	7.651	7.655	-0.004	695360	2.51	
34 2-Nitrophenol	139	7.723	7.727	-0.004	209314	2.62	
35 2,4-Dimethylphenol	107	7.747	7.751	-0.004	363356	2.41	
36 Benzoic acid	105	7.805	7.805	0.000	120915	2.42	
37 Bis(2-chloroethoxy)methane	93	7.834	7.833	0.001	389562	2.35	
38 2,4-Dichlorophenol	162	7.925	7.929	-0.004	304937	2.45	
39 1,2,4-Trichlorobenzene	180	8.002	8.006	-0.004	349781	2.33	
40 Alpha-Terpineol	59	8.070	8.073	-0.003	363576	2.51	
41 Naphthalene	128	8.074	8.078	-0.004	1157127	2.33	
42 4-Chloroaniline	127	8.113	8.116	-0.003	432695	2.48	
43 Hexachlorobutadiene	225	8.175	8.179	-0.004	185027	2.38	
44 Caprolactam	55	8.392	8.405	-0.013	172277	2.46	
45 4-Chloro-3-methylphenol	107	8.512	8.515	-0.003	332349	2.55	
46 2-Methylnaphthalene	142	8.661	8.664	-0.003	775455	2.37	
47 1-Methylnaphthalene	142	8.748	8.751	-0.003	769414	2.37	
48 Hexachlorocyclopentadiene	237	8.796	8.794	0.002	142445	2.74	
49 1,2,4,5-Tetrachlorobenzene	216	8.805	8.809	-0.004	305073	2.31	
50 2,4,6-Trichlorophenol	196	8.897	8.895	0.002	211137	2.74	
51 2,4,5-Trichlorophenol	196	8.926	8.929	-0.003	220743	2.78	
52 1,1'-Biphenyl	154	9.051	9.054	-0.003	917469	2.51	
53 2-Chloronaphthalene	162	9.075	9.078	-0.003	839644	2.45	
54 Phenyl ether	170	9.137	9.141	-0.004	476530	2.36	
68 4-Nitroaniline	138	9.152	9.155	-0.003	245292	2.44	
56 Dimethyl phthalate	163	9.296	9.299	-0.003	835271	2.56	
57 2,6-Dinitrotoluene	165	9.349	9.352	-0.003	190472	2.74	
58 Acenaphthylene	152	9.426	9.429	-0.003	1136979	2.54	
59 3-Nitroaniline	138	9.493	9.496	-0.003	176796	2.77	
61 Acenaphthene	153	9.570	9.573	-0.003	758009	2.50	
60 2,4-Dinitrophenol	184	9.580	9.583	-0.003	55112	2.60	
62 4-Nitrophenol	109	9.613	9.617	-0.004	108052	2.52	
63 2,4-Dinitrotoluene	165	9.690	9.689	0.001	242885	2.57	
64 Dibenzofuran	168	9.714	9.718	-0.004	1009805	2.53	
65 2,3,4,6-Tetrachlorophenol	232	9.810	9.814	-0.004	158130	2.62	
66 Diethyl phthalate	149	9.878	9.881	-0.003	871891	2.47	
67 4-Chlorophenyl phenyl ether	204	9.988	9.992	-0.004	367321	2.46	
69 Fluorene	166	9.998	10.001	-0.003	850003	2.56	
55 2-Nitroaniline	65	10.003	10.006	-0.003	220161	2.63	
70 4,6-Dinitro-2-methylphenol	198	10.032	10.035	-0.003	98056	2.63	
71 Diphenylamine	169	10.085	10.088	-0.003	716439	2.55	
72 N-Nitrosodiphenylamine	169	10.085	10.088	-0.003	716439	2.55	
73 1,2-Diphenylhydrazine	77	10.123	10.122	0.001	1435108	2.62	
74 Azobenzene	77	10.123	10.122	0.001	1435108	2.62	
13 Benzophenone	105	10.133	10.136	-0.003	814111	2.61	
75 4-Bromophenyl phenyl ether	248	10.397	10.400	-0.003	197055	2.55	
76 Hexachlorobenzene	284	10.464	10.468	-0.004	187331	2.49	
77 Atrazine	200	10.517	10.516	0.001	206091	2.71	
78 Pentachlorophenol	266	10.623	10.626	-0.003	83762	2.48	
79 Pentachloronitrobenzene	237	10.638	10.636	0.002	94050	2.52	
80 Phenanthrene	178	10.806	10.809	-0.003	1132118	2.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.849	10.852	-0.003	1101840	2.58	
83 Carbazole	167	10.974	10.978	-0.004	873530	2.47	
84 Di-n-butyl phthalate	149	11.239	11.237	0.002	1408648	2.48	
87 Fluoranthene	202	11.801	11.805	-0.004	1046032	2.62	
86 Benzidine	184	11.897	11.896	0.001	96260	2.56	
85 Pyrene	202	11.998	12.002	-0.004	1099645	2.32	
89 Butyl benzyl phthalate	149	12.595	12.598	-0.003	570323	2.52	
91 3,3'-Dichlorobenzidine	252	13.311	13.315	-0.004	186776	2.70	
92 Bis(2-ethylhexyl) phthalate	149	13.359	13.363	-0.004	891799	2.28	
93 Benzo[a]anthracene	228	13.369	13.372	-0.003	727275	2.47	
94 Chrysene	228	13.427	13.430	-0.003	654428	2.38	
95 Di-n-octyl phthalate	149	14.629	14.627	0.002	1091209	2.49	
97 Benzo[b]fluoranthene	252	15.393	15.397	-0.004	622471	2.63	
98 Benzo[k]fluoranthene	252	15.437	15.440	-0.003	535981	2.70	
99 Benzo[a]pyrene	252	15.865	15.863	0.002	431717	2.44	
100 Indeno[1,2,3-cd]pyrene	276	17.466	17.466	0.000	304804	2.85	
101 Dibenz(a,h)anthracene	278	17.500	17.500	0.000	229745	2.42	
102 Benzo[g,h,i]perylene	276	17.908	17.912	-0.004	266593	2.55	

Report Date: 30-Sep-2009 14:12:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10626.D

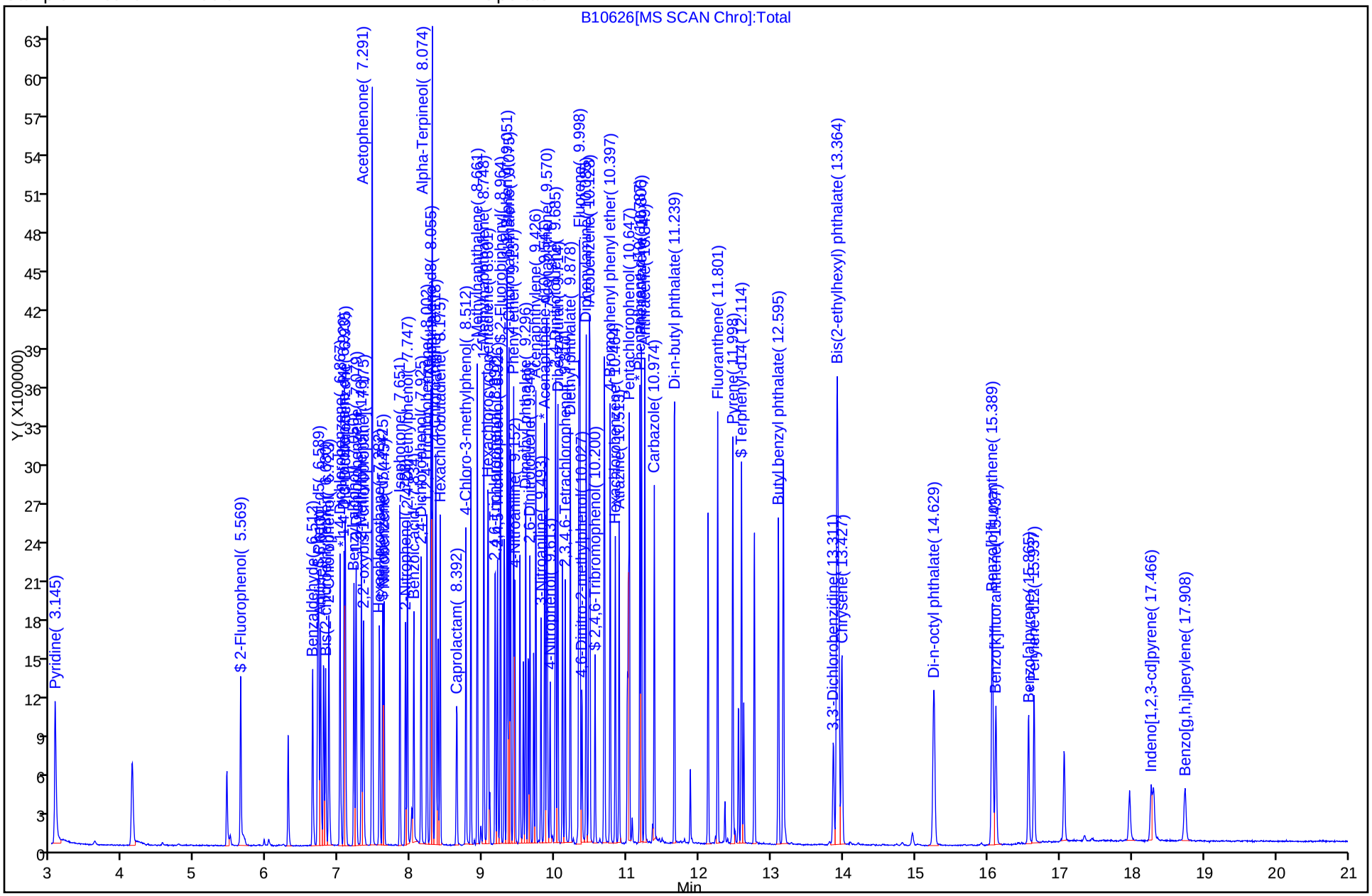
Inj Date: 29-Sep-2009 19:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10627.D		
Lims ID:	std8	Client ID:	
Inject. Date:	29-Sep-2009 19:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49685	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:12:15	Calib Date:	29-Sep-2009 19:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10627.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:12:15

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.922	6.924	-0.002	615413	2.00	
* 2 Naphthalene-d8	136	8.057	8.059	-0.002	1123574	2.00	
* 3 Acenaphthene-d10	164	9.543	9.544	-0.001	556676	2.00	
* 4 Phenanthrene-d10	188	10.789	10.790	-0.001	952614	2.00	
* 5 Chrysene-d12	240	13.390	13.387	0.003	670910	2.00	
* 6 Perylene-d12	264	15.934	15.935	-0.001	404522	2.00	
$ 7 2-Fluorophenol	112	5.571	5.572	-0.001	956251	6.50	
$ 8 Phenol-d5	99	6.581	6.577	0.004	1328807	6.95	
$ 9 Nitrobenzene-d5	82	7.427	7.429	-0.002	1364921	8.91	5
$ 10 2-Fluorobiphenyl	172	8.966	8.967	-0.001	2693917	8.40	5
$ 11 2,4,6-Tribromophenol	330	10.207	10.203	0.004	252404	8.32	5
$ 12 Terphenyl-d14	244	12.116	12.117	-0.001	2000094	7.74	
15 N-Nitrosodimethylamine	42	3.143	3.144	-0.001	776699	6.66	
16 Pyridine	79	3.138	3.144	-0.006	902461	6.95	
17 Benzaldehyde	105	6.514	6.510	0.004	683579	6.79	
18 Phenol	94	6.595	6.592	0.003	1404866	6.75	
19 Aniline	93	6.619	6.616	0.003	1626877	7.05	
20 Bis(2-chloroethyl)ether	93	6.682	6.683	-0.001	1019796	6.58	
21 2-Chlorophenol	128	6.725	6.727	-0.002	1197693	6.80	
22 1,4-Dichlorobenzene	146	6.869	6.871	-0.002	1408562	6.60	
23 1,3-Dichlorobenzene	146	6.937	6.938	-0.001	1474864	6.72	
24 Benzyl alcohol	79	7.052	7.054	-0.002	1068573	7.52	
25 1,2-Dichlorobenzene	146	7.081	7.078	0.003	1341137	6.59	
26 2-Methylphenol	108	7.153	7.150	0.003	1069601	7.11	
27 2,2'-oxybis[1-chloropropane]	45	7.177	7.179	-0.002	1921605	6.55	
28 3 & 4 Methylphenol	108	7.293	7.289	0.004	1227217	7.59	
30 Acetophenone	105	7.293	7.294	-0.001	1763734	7.50	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.297	7.294	0.003	923144	7.77	
31 Hexachloroethane	117	7.384	7.385	-0.001	557323	6.80	
32 Nitrobenzene	77	7.446	7.443	0.003	1343575	8.77	5
33 Isophorone	82	7.653	7.655	-0.002	2227566	9.10	5
34 2-Nitrophenol	139	7.725	7.727	-0.002	666909	9.39	5
35 2,4-Dimethylphenol	107	7.749	7.751	-0.002	1171702	8.84	5
36 Benzoic acid	105	7.841	7.795	0.046	597606	8.03	5
37 Bis(2-chloroethoxy)methane	93	7.836	7.833	0.003	1253153	8.62	5
38 2,4-Dichlorophenol	162	7.927	7.929	-0.002	989973	9.01	5
39 1,2,4-Trichlorobenzene	180	8.004	8.006	-0.002	1118358	8.53	5
40 Alpha-Terpineol	59	8.076	8.073	0.003	1211837	9.41	5
41 Naphthalene	128	8.076	8.078	-0.002	3669145	8.46	5
42 4-Chloroaniline	127	8.120	8.116	0.004	1469995	9.47	5
43 Hexachlorobutadiene	225	8.177	8.179	-0.002	596352	8.73	5
44 Caprolactam	55	8.418	8.405	0.013	540654	8.79	5
45 4-Chloro-3-methylphenol	107	8.519	8.515	0.004	1064815	9.20	5
46 2-Methylnaphthalene	142	8.663	8.664	-0.001	2499639	8.70	5
47 1-Methylnaphthalene	142	8.750	8.751	-0.001	2433986	8.58	5
48 Hexachlorocyclopentadiene	237	8.798	8.794	0.004	454509	8.54	5
49 1,2,4,5-Tetrachlorobenzene	216	8.807	8.809	-0.002	982548	8.52	5
50 2,4,6-Trichlorophenol	196	8.899	8.895	0.004	674757	9.10	5
51 2,4,5-Trichlorophenol	196	8.932	8.929	0.003	710250	9.24	5
52 1,1'-Biphenyl	154	9.053	9.054	-0.001	2853041	8.25	5
53 2-Chloronaphthalene	162	9.077	9.078	-0.001	2894793	8.81	5
54 Phenyl ether	170	9.139	9.141	-0.002	1523941	8.62	5
68 4-Nitroaniline	138	9.158	9.155	0.003	796620	8.13	5
56 Dimethyl phthalate	163	9.303	9.299	0.004	2615366	8.44	5
57 2,6-Dinitrotoluene	165	9.355	9.352	0.003	592210	8.87	5
58 Acenaphthylene	152	9.428	9.429	-0.001	3610102	8.47	5
59 3-Nitroaniline	138	9.500	9.496	0.004	556028	9.05	5
61 Acenaphthene	153	9.572	9.573	-0.001	2437701	8.47	5
60 2,4-Dinitrophenol	184	9.586	9.583	0.003	234879	8.03	5
62 4-Nitrophenol	109	9.620	9.617	0.003	376536	8.64	5
63 2,4-Dinitrotoluene	165	9.692	9.689	0.003	819879	8.83	5
64 Dibenzofuran	168	9.716	9.718	-0.002	3139274	8.28	5
65 2,3,4,6-Tetrachlorophenol	232	9.812	9.814	-0.002	517040	8.73	5
66 Diethyl phthalate	149	9.880	9.881	-0.001	2778535	8.30	5
67 4-Chlorophenyl phenyl ether	204	9.990	9.992	-0.002	1181348	8.34	5
69 Fluorene	166	10.005	10.001	0.004	2778979	8.76	5
55 2-Nitroaniline	65	10.009	10.006	0.003	565840	8.01	5
70 4,6-Dinitro-2-methylphenol	198	10.034	10.035	-0.001	356918	8.04	5
71 Diphenylamine	169	10.086	10.088	-0.002	2270411	8.52	5
72 N-Nitrosodiphenylamine	169	10.086	10.088	-0.002	2270411	8.52	5
73 1,2-Diphenylhydrazine	77	10.125	10.122	0.003	4566968	8.75	5
74 Azobenzene	77	10.125	10.122	0.003	4566968	8.75	5
13 Benzophenone	105	10.135	10.136	-0.001	2648324	8.89	5
75 4-Bromophenyl phenyl ether	248	10.404	10.400	0.004	620277	8.47	5
76 Hexachlorobenzene	284	10.471	10.468	0.003	595151	8.38	5
77 Atrazine	200	10.519	10.516	0.003	647293	8.90	5
78 Pentachlorophenol	266	10.625	10.626	-0.001	319333	8.69	5
79 Pentachloronitrobenzene	237	10.639	10.636	0.003	323105	8.83	5
80 Phenanthrene	178	10.813	10.809	0.004	3499456	8.05	5

Report Date: 30-Sep-2009 14:12:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10627.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.851	10.852	-0.001	3458866	8.53	5
83 Carbazole	167	10.976	10.978	-0.002	2540184	7.70	
84 Di-n-butyl phthalate	149	11.241	11.237	0.004	4231959	7.96	
87 Fluoranthene	202	11.803	11.805	-0.002	3218681	8.51	5
86 Benzidine	184	11.899	11.896	0.003	457730	8.04	5
85 Pyrene	202	12.000	12.002	-0.002	3360488	7.62	
89 Butyl benzyl phthalate	149	12.597	12.598	-0.001	1820419	8.49	5
91 3,3'-Dichlorobenzidine	252	13.318	13.315	0.003	570106	8.53	5
92 Bis(2-ethylhexyl) phthalate	149	13.361	13.363	-0.002	2919471	7.98	
93 Benzo[a]anthracene	228	13.371	13.372	-0.001	2260323	8.16	5
94 Chrysene	228	13.433	13.430	0.003	1989905	7.77	5
95 Di-n-octyl phthalate	149	14.631	14.627	0.004	3624517	7.91	
97 Benzo[b]fluoranthene	252	15.400	15.397	0.003	1735948	8.65	5
98 Benzo[k]fluoranthene	252	15.443	15.440	0.003	1625498	9.49	5
99 Benzo[a]pyrene	252	15.867	15.863	0.004	1298945	8.30	5
100 Indeno[1,2,3-cd]pyrene	276	17.468	17.468	0.000	884942	8.18	5
101 Dibenz(a,h)anthracene	278	17.502	17.502	0.000	695788	8.29	5
102 Benzo[g,h,i]perylene	276	17.915	17.912	0.003	745049	8.44	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Sep-2009 14:12:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10627.D

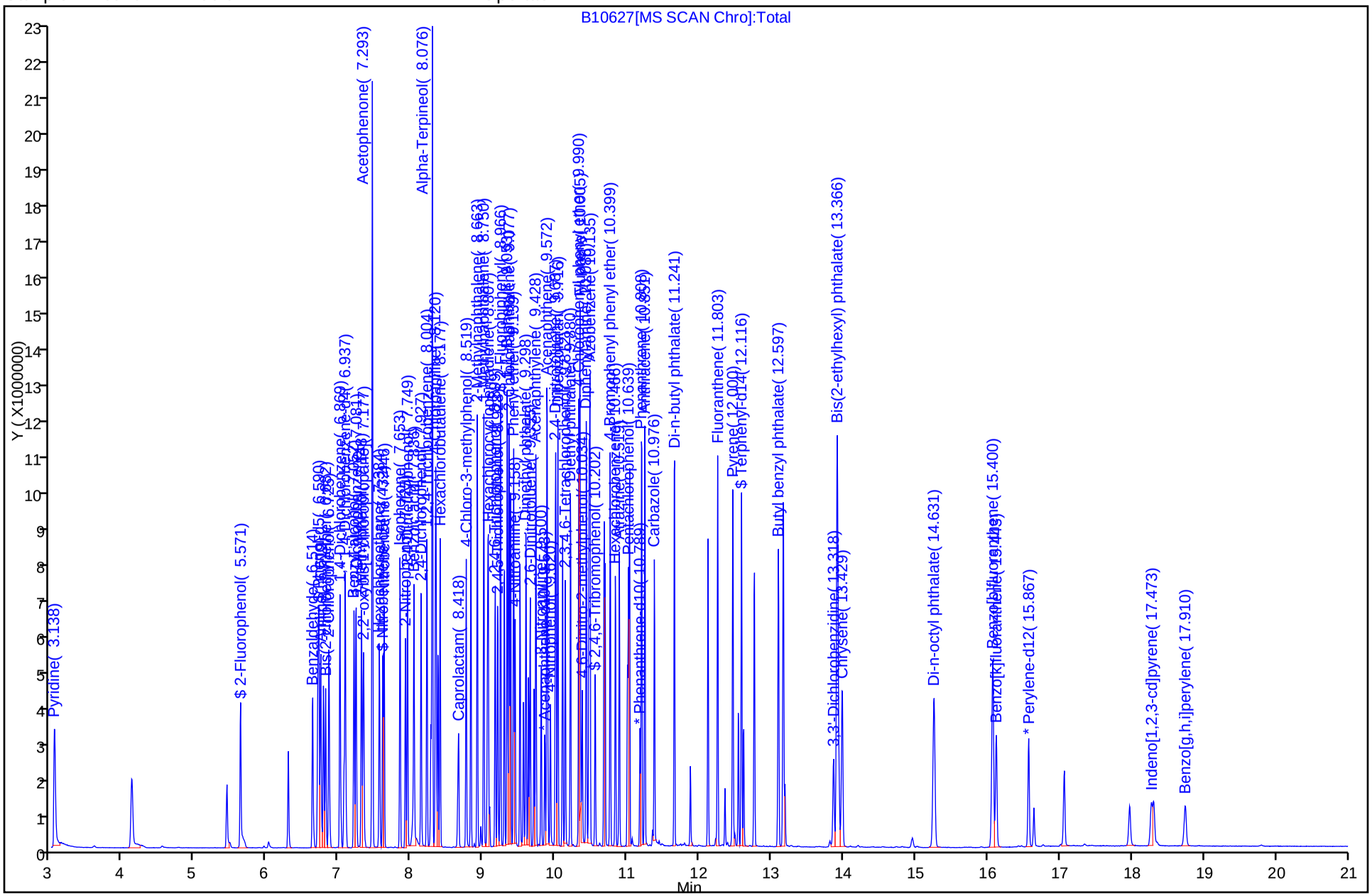
Inj Date: 29-Sep-2009 19:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

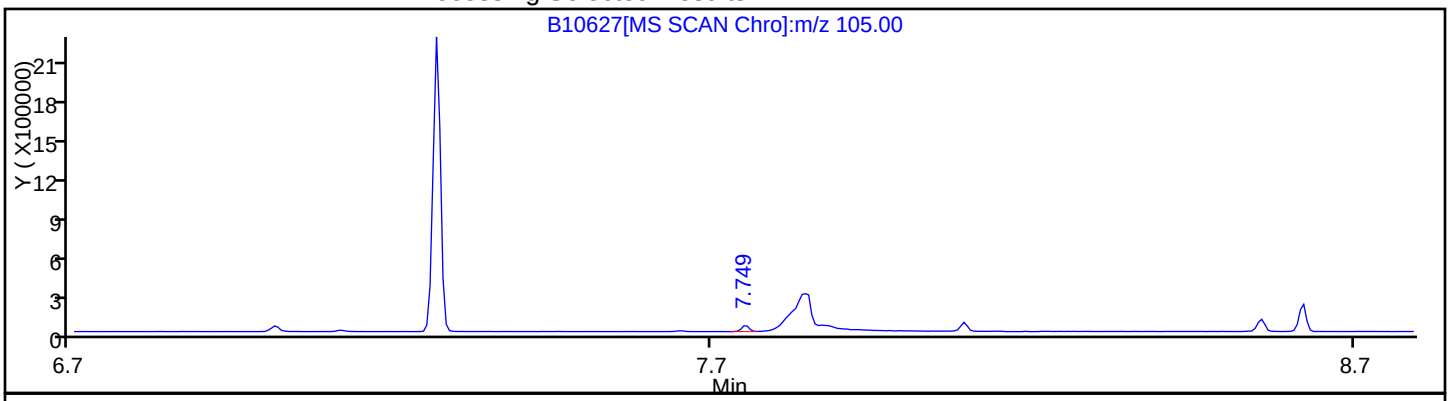


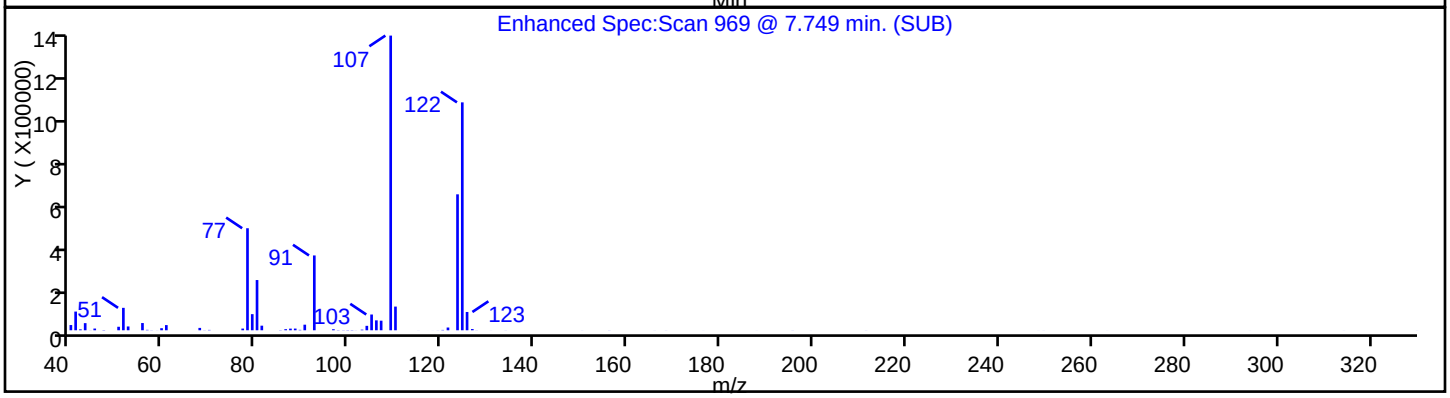
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10627.D		
Inj Date:	29-Sep-2009 19:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

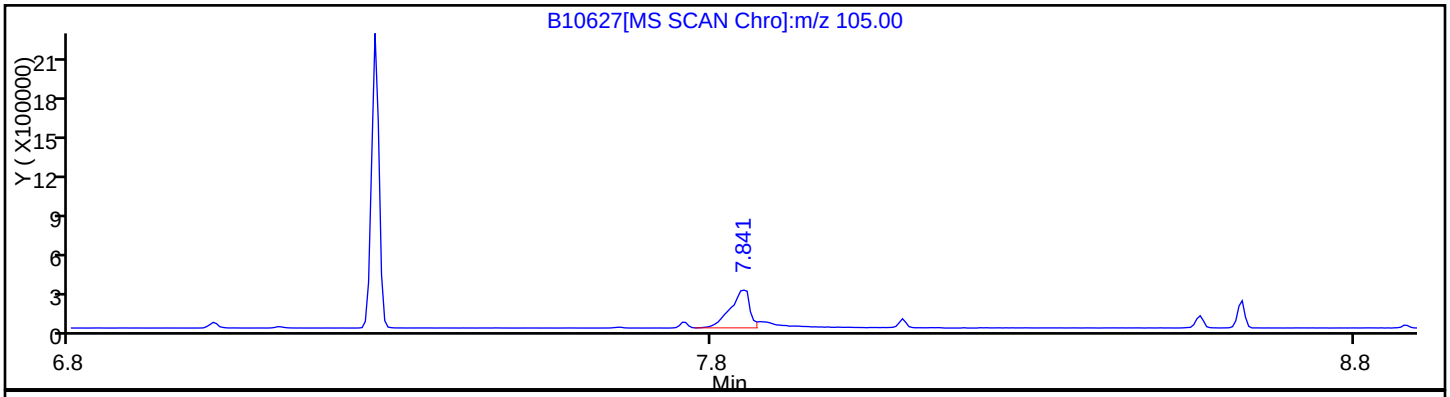
36 Benzoic acid

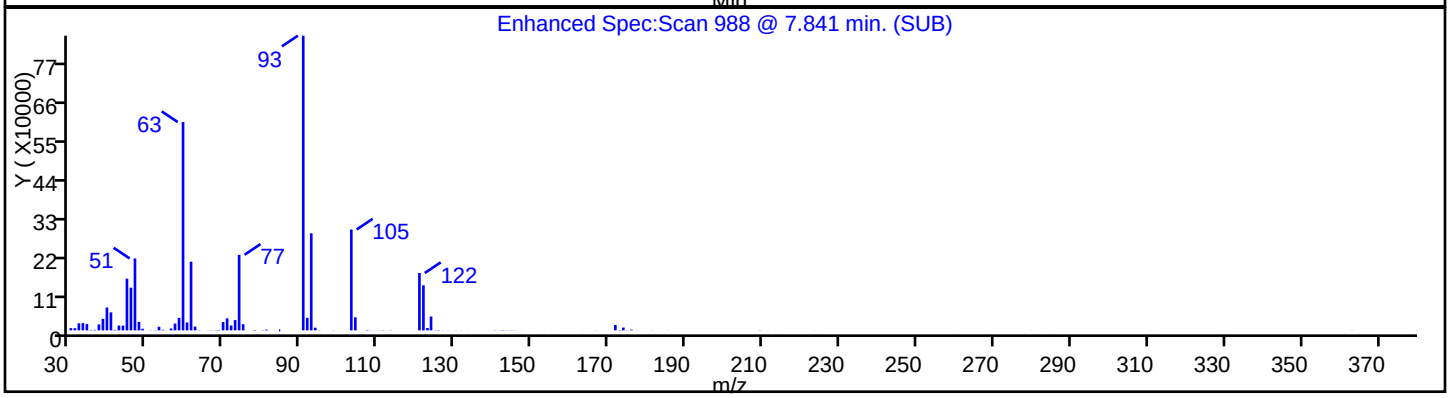
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 14:12:15
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10628.D		
Lims ID:	std10	Client ID:	
Inject. Date:	29-Sep-2009 20:23:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49685	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:12:21	Calib Date:	29-Sep-2009 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10628.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:12:21

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.924	6.924	0.000	648831	2.00	
* 2 Naphthalene-d8	136	8.058	8.059	-0.001	1135942	2.00	
* 3 Acenaphthene-d10	164	9.544	9.544	0.000	557065	2.00	
* 4 Phenanthrene-d10	188	10.790	10.790	0.000	938409	2.00	
* 5 Chrysene-d12	240	13.391	13.387	0.004	694217	2.00	
* 6 Perylene-d12	264	15.940	15.935	0.005	395821	2.00	
$ 7 2-Fluorophenol	112	5.572	5.572	0.000	1379298	9.02	
$ 8 Phenol-d5	99	6.582	6.577	0.005	1660023	8.42	
$ 9 Nitrobenzene-d5	82	7.429	7.429	0.000	1720180	11.0	5
$ 10 2-Fluorobiphenyl	172	8.967	8.967	0.000	3318787	10.3	5
$ 11 2,4,6-Tribromophenol	330	10.208	10.203	0.005	320731	10.4	5
$ 12 Terphenyl-d14	244	12.117	12.117	0.000	2577776	9.69	
15 N-Nitrosodimethylamine	42	3.144	3.144	0.000	1035297	8.59	
16 Pyridine	79	3.134	3.134	0.000	1126732	9.57	M
17 Benzaldehyde	105	6.510	6.510	0.000	842813	8.15	
18 Phenol	94	6.597	6.592	0.005	1847537	8.59	
19 Aniline	93	6.621	6.616	0.005	2027239	8.51	
20 Bis(2-chloroethyl)ether	93	6.683	6.683	0.000	1281870	8.07	
21 2-Chlorophenol	128	6.726	6.727	-0.001	1503771	8.30	
22 1,4-Dichlorobenzene	146	6.871	6.871	0.000	1771687	8.09	
23 1,3-Dichlorobenzene	146	6.938	6.938	0.000	1836208	8.14	
24 Benzyl alcohol	79	7.053	7.054	-0.001	1354775	9.15	
25 1,2-Dichlorobenzene	146	7.077	7.078	-0.001	1670849	8.01	
26 2-Methylphenol	108	7.150	7.150	0.000	1348961	8.67	
27 2,2'-oxybis[1-chloropropane]	45	7.178	7.179	-0.001	2397677	7.98	
28 3 & 4 Methylphenol	108	7.294	7.289	0.005	1569813	9.30	
30 Acetophenone	105	7.294	7.294	0.000	2250658	9.18	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.299	7.294	0.005	1193602	9.58	
31 Hexachloroethane	117	7.385	7.385	0.000	708048	8.38	
32 Nitrobenzene	77	7.448	7.443	0.005	1680049	10.7	5
33 Isophorone	82	7.655	7.655	0.000	2804065	11.1	5
34 2-Nitrophenol	139	7.727	7.727	0.000	834865	11.4	5
35 2,4-Dimethylphenol	107	7.756	7.751	0.005	1496945	11.0	5
36 Benzoic acid	105	7.852	7.795	0.057	941537	10.0	5
37 Bis(2-chloroethoxy)methane	93	7.837	7.833	0.004	1579973	10.7	5
38 2,4-Dichlorophenol	162	7.929	7.929	0.000	1276130	11.3	5
39 1,2,4-Trichlorobenzene	180	8.006	8.006	0.000	1392785	10.4	5
40 Alpha-Terpineol	59	8.078	8.073	0.005	1526531	11.5	5
41 Naphthalene	128	8.078	8.078	0.000	4477043	10.2	5
42 4-Chloroaniline	127	8.121	8.116	0.005	1827385	11.4	5
43 Hexachlorobutadiene	225	8.179	8.179	0.000	745356	10.7	5
44 Caprolactam	55	8.424	8.405	0.019	678722	10.8	5
45 4-Chloro-3-methylphenol	107	8.520	8.515	0.005	1363503	11.4	5
46 2-Methylnaphthalene	142	8.664	8.664	0.000	3089802	10.5	5
47 1-Methylnaphthalene	142	8.751	8.751	0.000	3026279	10.5	5
48 Hexachlorocyclopentadiene	237	8.799	8.794	0.005	561940	10.3	5
49 1,2,4,5-Tetrachlorobenzene	216	8.809	8.809	0.000	1239335	10.5	5
50 2,4,6-Trichlorophenol	196	8.900	8.895	0.005	847305	11.2	5
51 2,4,5-Trichlorophenol	196	8.934	8.929	0.005	888528	11.3	5
52 1,1'-Biphenyl	154	9.059	9.054	0.005	3508268	10.1	5
53 2-Chloronaphthalene	162	9.083	9.078	0.005	3616160	10.9	5
54 Phenyl ether	170	9.140	9.141	-0.001	1921132	10.6	5
68 4-Nitroaniline	138	9.160	9.155	0.005	1006156	10.1	5
56 Dimethyl phthalate	163	9.304	9.299	0.005	3227324	10.4	5
57 2,6-Dinitrotoluene	165	9.357	9.352	0.005	761304	11.2	5
58 Acenaphthylene	152	9.429	9.429	0.000	4380990	10.2	5
59 3-Nitroaniline	138	9.501	9.496	0.005	702839	11.2	5
61 Acenaphthene	153	9.573	9.573	0.000	3030693	10.4	5
60 2,4-Dinitrophenol	184	9.588	9.583	0.005	318725	9.96	
62 4-Nitrophenol	109	9.621	9.617	0.004	489983	10.9	5
63 2,4-Dinitrotoluene	165	9.693	9.689	0.004	1038283	10.9	5
64 Dibenzofuran	168	9.718	9.718	0.000	3860056	10.2	5
65 2,3,4,6-Tetrachlorophenol	232	9.814	9.814	0.000	674837	11.1	5
66 Diethyl phthalate	149	9.881	9.881	0.000	3461584	10.3	5
67 4-Chlorophenyl phenyl ether	204	9.992	9.992	0.000	1489048	10.4	5
69 Fluorene	166	10.006	10.001	0.005	3447424	10.7	5
55 2-Nitroaniline	65	10.011	10.006	0.005	752489	10.6	5
70 4,6-Dinitro-2-methylphenol	198	10.040	10.035	0.005	459212	10.7	5
71 Diphenylamine	169	10.088	10.088	0.000	2815312	10.6	5
72 N-Nitrosodiphenylamine	169	10.088	10.088	0.000	2815312	10.6	5
73 1,2-Diphenylhydrazine	77	10.126	10.122	0.004	5681377	10.9	5
74 Azobenzene	77	10.126	10.122	0.004	5681377	10.9	5
13 Benzophenone	105	10.136	10.136	0.000	3335339	11.2	5
75 4-Bromophenyl phenyl ether	248	10.400	10.400	0.000	807138	11.0	5
76 Hexachlorobenzene	284	10.468	10.468	0.000	744135	10.6	5
77 Atrazine	200	10.521	10.516	0.005	809588	11.1	5
78 Pentachlorophenol	266	10.626	10.626	0.000	426037	10.6	5
79 Pentachloronitrobenzene	237	10.641	10.636	0.005	408680	11.1	5
80 Phenanthrene	178	10.809	10.809	0.000	4307270	10.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.852	10.852	0.000	4276817	10.6	5
83 Carbazole	167	10.977	10.978	-0.001	3079200	9.53	
84 Di-n-butyl phthalate	149	11.242	11.237	0.005	5070007	9.72	
87 Fluoranthene	202	11.805	11.805	0.000	4042384	10.7	5
86 Benzidine	184	11.901	11.896	0.005	625375	9.94	
85 Pyrene	202	12.002	12.002	0.000	4194091	9.29	
89 Butyl benzyl phthalate	149	12.598	12.598	0.000	2345923	10.5	5
91 3,3'-Dichlorobenzidine	252	13.319	13.315	0.004	725757	10.4	5
92 Bis(2-ethylhexyl) phthalate	149	13.363	13.363	0.000	3740158	9.90	
93 Benzo[a]anthracene	228	13.377	13.372	0.005	2916189	10.2	5
94 Chrysene	228	13.435	13.430	0.005	2559856	9.70	5
95 Di-n-octyl phthalate	149	14.632	14.627	0.005	4704116	10.5	5
97 Benzo[b]fluoranthene	252	15.406	15.397	0.009	2225066	11.1	5
98 Benzo[k]fluoranthene	252	15.450	15.440	0.010	1974008	11.5	5
99 Benzo[a]pyrene	252	15.868	15.863	0.005	1585115	10.2	5
100 Indeno[1,2,3-cd]pyrene	276	17.469	17.468	0.001	976227	10.7	5
101 Dibenz(a,h)anthracene	278	17.503	17.502	0.001	769258	9.60	
102 Benzo[g,h,i]perylene	276	17.917	17.912	0.005	796929	9.32	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 14:12:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10628.D

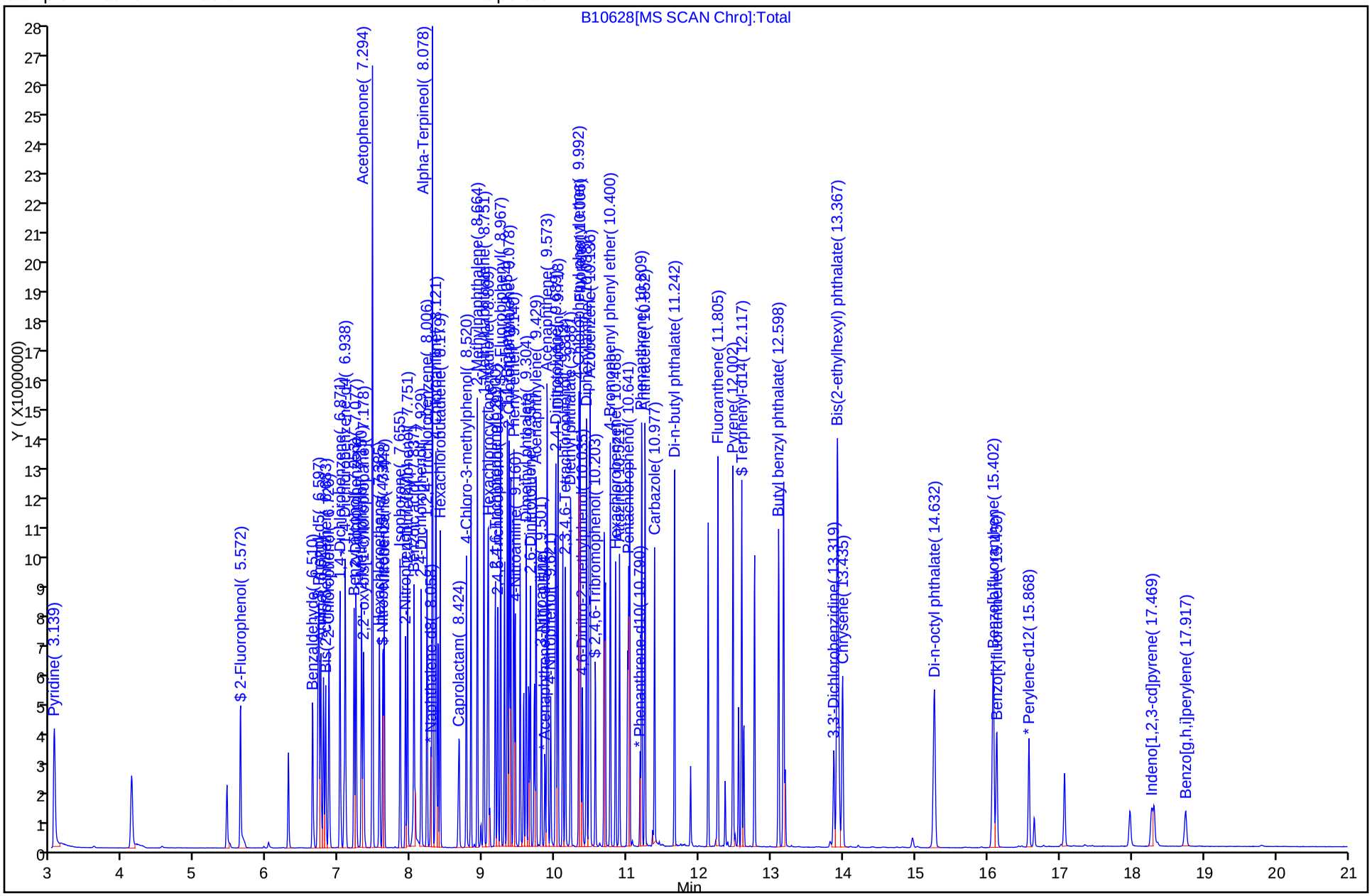
Inj Date: 29-Sep-2009 20:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ



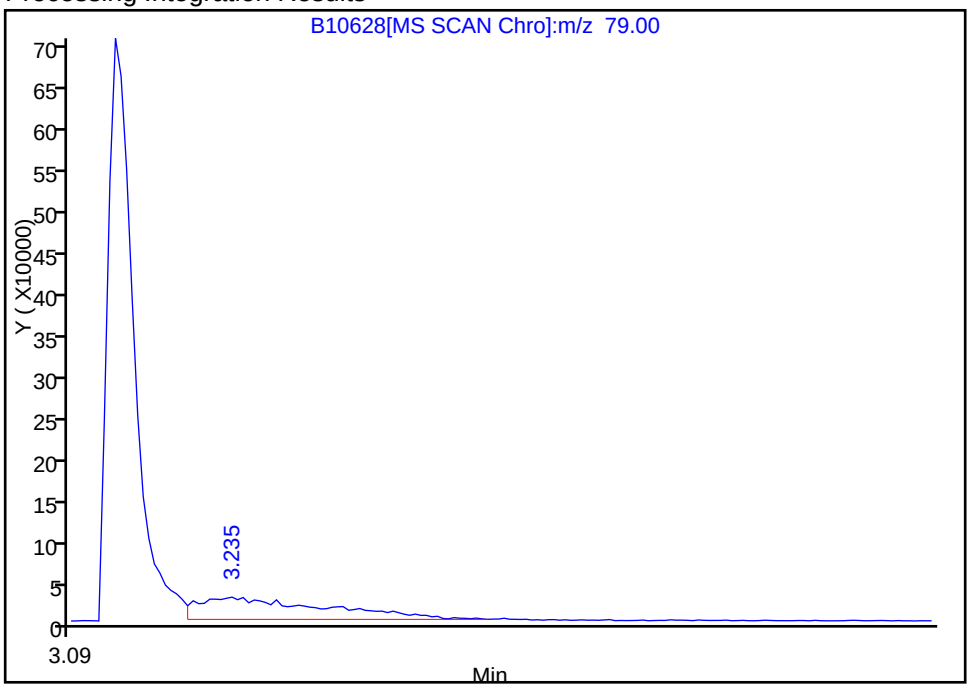
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10628.D		
Inj Date:	29-Sep-2009 20:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 3.13

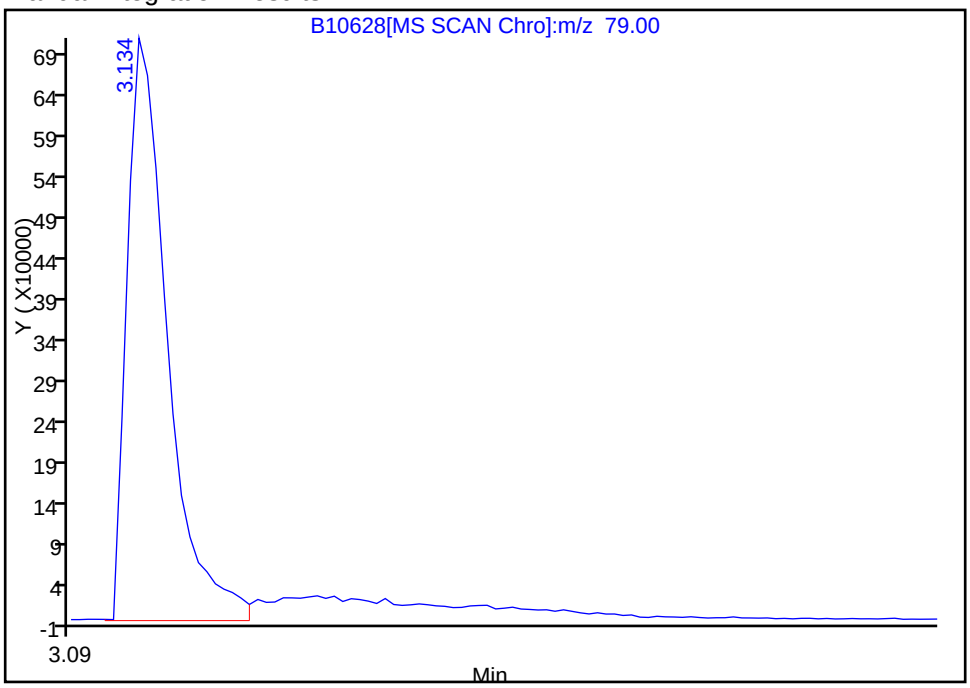
Processing Integration Results

RT: 3.24
Response: 205253
Amount: 1.913186



Manual Integration Results

RT: 3.13
Response: 1126732
Amount: 9.574156



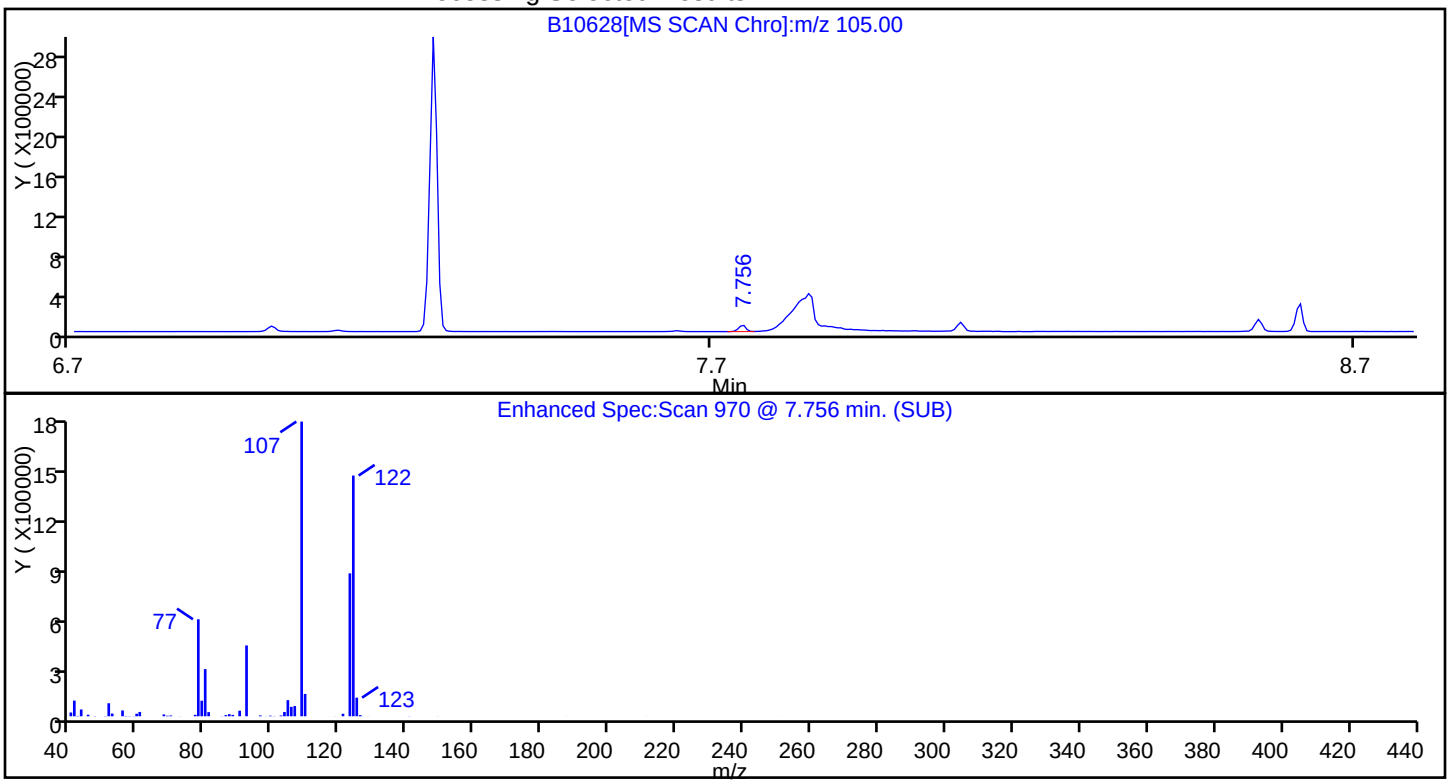
Reviewer: sullivanp, 30-Sep-2009 14:12:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

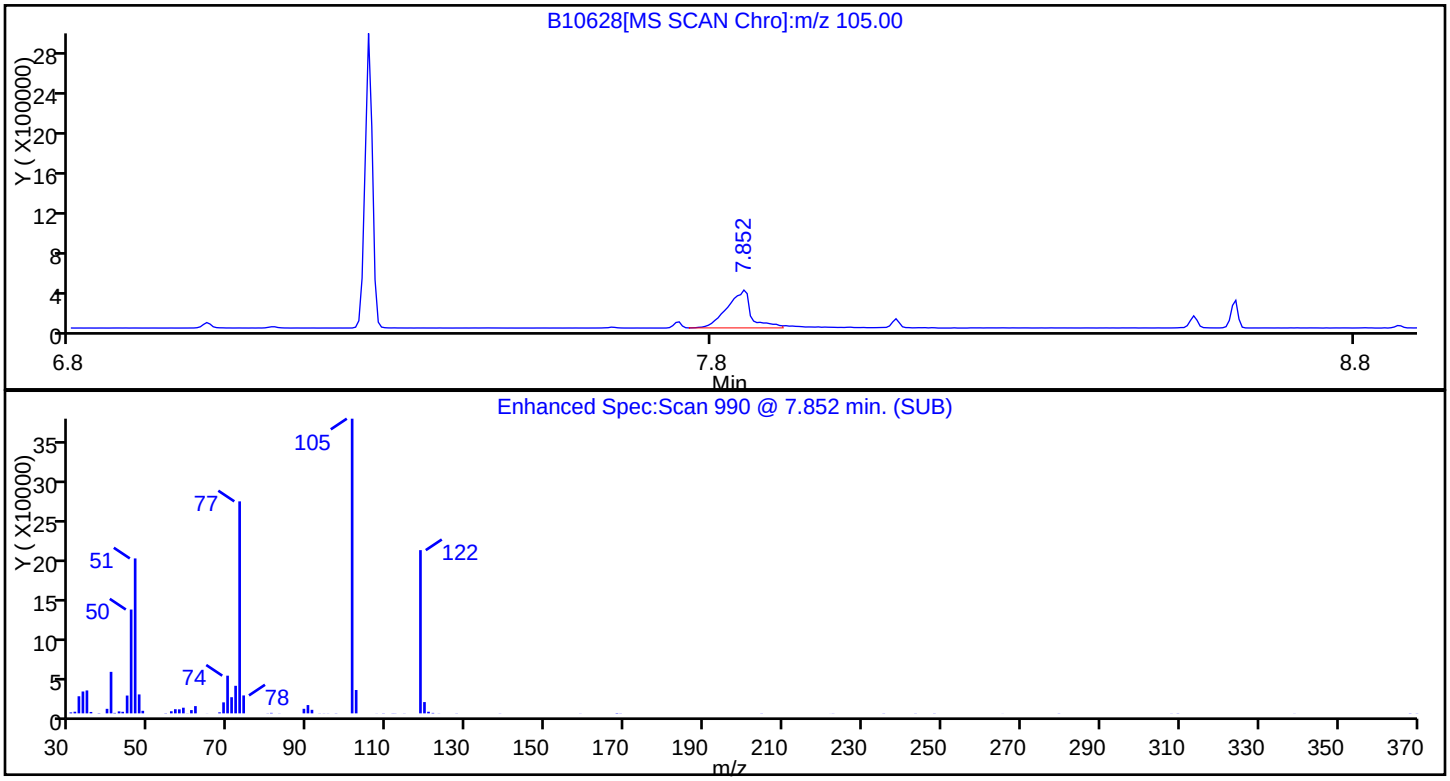
Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10628.D		
Inj Date:	29-Sep-2009 20:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Selected Results



Manual Selected Results



Reviewer: sullivanp, 30-Sep-2009 14:12:21
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Lims ID:	std20	Client ID:	
Inject. Date:	29-Sep-2009 20:52:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49685	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:12:28	Calib Date:	29-Sep-2009 20:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	30-Sep-2009 14:12:28

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.923	6.924	-0.001	501890	2.00	
* 2 Naphthalene-d8	136	8.063	8.059	0.004	1287293	2.00	
* 3 Acenaphthene-d10	164	9.549	9.544	0.005	615091	2.00	
* 4 Phenanthrene-d10	188	10.794	10.790	0.004	1053155	2.00	
* 5 Chrysene-d12	240	13.401	13.387	0.014	815945	2.00	
* 6 Perylene-d12	264	15.940	15.935	0.005	419963	2.00	
$ 7 2-Fluorophenol	112	5.577	5.572	0.005	2636976	22.0	5
$ 8 Phenol-d5	99	6.591	6.577	0.014	3615814	23.2	5
$ 9 Nitrobenzene-d5	82	7.438	7.429	0.009	3646373	20.4	5
$ 10 2-Fluorobiphenyl	172	8.972	8.967	0.005	6277173	17.9	
$ 11 2,4,6-Tribromophenol	330	10.212	10.203	0.009	822833	21.9	5
$ 12 Terphenyl-d14	244	12.121	12.117	0.004	5658226	18.3	
16 Pyridine	79	3.143	3.134	0.009	2511294	20.1	5
15 N-Nitrosodimethylamine	42	3.163	3.144	0.019	2124746	22.4	5
17 Benzaldehyde	105	6.514	6.510	0.004	1658144	20.6	5
18 Phenol	94	6.606	6.592	0.014	3953770	23.3	5
19 Aniline	93	6.625	6.616	0.009	4473834	23.7	5
20 Bis(2-chloroethyl)ether	93	6.692	6.683	0.009	2775594	22.3	5
21 2-Chlorophenol	128	6.731	6.727	0.004	3197744	22.5	5
22 1,4-Dichlorobenzene	146	6.870	6.871	-0.001	3785062	22.1	5
23 1,3-Dichlorobenzene	146	6.942	6.938	0.004	3893977	22.0	5
24 Benzyl alcohol	79	7.063	7.054	0.009	2977676	25.2	5
25 1,2-Dichlorobenzene	146	7.082	7.078	0.004	3615946	22.1	5
26 2-Methylphenol	108	7.159	7.150	0.009	2926725	23.8	5
27 2,2'-oxybis[1-chloropropane]	45	7.183	7.179	0.004	4945280	21.1	5
28 3 & 4 Methylphenol	108	7.303	7.289	0.014	3461799	25.6	5
30 Acetophenone	105	7.303	7.294	0.009	4605361	23.7	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.308	7.294	0.014	2500569	25.1	5
31 Hexachloroethane	117	7.385	7.385	0.000	1570525	23.5	5
32 Nitrobenzene	77	7.457	7.443	0.014	3590546	20.2	5
33 Isophorone	82	7.664	7.655	0.009	5685129	20.0	
34 2-Nitrophenol	139	7.731	7.727	0.004	1844438	22.0	5
35 2,4-Dimethylphenol	107	7.760	7.751	0.009	3283119	21.1	5
36 Benzoic acid	105	7.895	7.795	0.100	2264151	19.9	
37 Bis(2-chloroethoxy)methane	93	7.842	7.833	0.009	3389939	20.1	5
38 2,4-Dichlorophenol	162	7.938	7.929	0.009	2759199	21.3	5
39 1,2,4-Trichlorobenzene	180	8.010	8.006	0.004	3062669	20.2	5
40 Alpha-Terpineol	59	8.087	8.073	0.014	3076294	20.4	5
41 Naphthalene	128	8.082	8.078	0.004	7470837	15.4	
42 4-Chloroaniline	127	8.125	8.116	0.009	3988462	21.7	5
43 Hexachlorobutadiene	225	8.183	8.179	0.004	1716344	21.5	5
44 Caprolactam	55	8.457	8.405	0.052	1487366	20.8	5
45 4-Chloro-3-methylphenol	107	8.529	8.515	0.014	3030942	22.1	5
46 2-Methylnaphthalene	142	8.669	8.664	0.005	5981635	18.2	
47 1-Methylnaphthalene	142	8.755	8.751	0.004	5830191	18.0	
48 Hexachlorocyclopentadiene	237	8.799	8.794	0.005	1322607	21.0	5
49 1,2,4,5-Tetrachlorobenzene	216	8.813	8.809	0.004	2760743	20.6	5
50 2,4,6-Trichlorophenol	196	8.904	8.895	0.009	1919847	22.6	5
51 2,4,5-Trichlorophenol	196	8.938	8.929	0.009	2018958	22.9	5
52 1,1'-Biphenyl	154	9.063	9.054	0.009	6397971	17.0	
53 2-Chloronaphthalene	162	9.087	9.078	0.009	7249095	19.8	
54 Phenyl ether	170	9.145	9.141	0.004	4095171	20.0	5
68 4-Nitroaniline	138	9.164	9.155	0.009	2228530	20.2	5
56 Dimethyl phthalate	163	9.313	9.299	0.014	6429085	18.8	
57 2,6-Dinitrotoluene	165	9.366	9.352	0.014	1668766	22.0	5
58 Acenaphthylene	152	9.438	9.429	0.009	7563185	16.4	
59 3-Nitroaniline	138	9.510	9.496	0.014	1606617	22.8	5
61 Acenaphthene	153	9.578	9.573	0.005	5794227	18.3	
60 2,4-Dinitrophenol	184	9.597	9.583	0.014	822032	20.7	5
62 4-Nitrophenol	109	9.635	9.617	0.018	1123178	21.9	5
63 2,4-Dinitrotoluene	165	9.703	9.689	0.014	2275030	21.4	5
64 Dibenzofuran	168	9.722	9.718	0.004	6971415	16.9	
65 2,3,4,6-Tetrachlorophenol	232	9.823	9.814	0.009	1559121	22.6	5
66 Diethyl phthalate	149	9.890	9.881	0.009	6524006	17.8	
67 4-Chlorophenyl phenyl ether	204	9.996	9.992	0.004	3361185	21.2	5
69 Fluorene	166	10.010	10.001	0.009	6670186	18.9	
55 2-Nitroaniline	65	10.025	10.006	0.019	1823084	22.8	5
70 4,6-Dinitro-2-methylphenol	198	10.049	10.035	0.014	1093466	21.2	5
71 Diphenylamine	169	10.097	10.088	0.009	5708788	19.3	
72 N-Nitrosodiphenylamine	169	10.097	10.088	0.009	5708788	19.3	
73 1,2-Diphenylhydrazine	77	10.131	10.131	0.000	10525417	18.2	M
74 Azobenzene	77	10.131	10.131	0.000	10525417	18.2	M
13 Benzophenone	105	10.145	10.136	0.009	6591204	19.7	
75 4-Bromophenyl phenyl ether	248	10.405	10.400	0.005	1902597	22.8	5
76 Hexachlorobenzene	284	10.477	10.468	0.009	1806077	22.5	5
77 Atrazine	200	10.530	10.516	0.014	1773253	21.5	5
78 Pentachlorophenol	266	10.631	10.626	0.005	1094056	20.6	5
79 Pentachloronitrobenzene	237	10.645	10.636	0.009	969424	20.9	5
80 Phenanthrene	178	10.818	10.809	0.009	7556211	16.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.862	10.852	0.010	7452678	16.8	
83 Carbazole	167	10.982	10.978	0.004	6490626	18.1	
84 Di-n-butyl phthalate	149	11.241	11.237	0.004	8088040	14.3	
87 Fluoranthene	202	11.809	11.805	0.004	7282210	17.5	
86 Benzidine	184	11.905	11.896	0.009	1859958	20.0	
85 Pyrene	202	12.011	12.002	0.009	7778483	15.1	
89 Butyl benzyl phthalate	149	12.602	12.598	0.004	5154630	19.7	
91 3,3'-Dichlorobenzidine	252	13.328	13.315	0.013	1788101	21.4	5
92 Bis(2-ethylhexyl) phthalate	149	13.372	13.363	0.009	7938199	18.1	
93 Benzo[a]anthracene	228	13.386	13.372	0.014	6865190	20.3	5
94 Chrysene	228	13.444	13.430	0.014	5795613	18.8	5
95 Di-n-octyl phthalate	149	14.641	14.627	0.014	10234075	20.7	5
97 Benzo[b]fluoranthene	252	15.420	15.397	0.023	4967582	23.0	5
98 Benzo[k]fluoranthene	252	15.464	15.440	0.024	4135673	22.4	5
99 Benzo[a]pyrene	252	15.877	15.863	0.014	3416080	20.4	5
100 Indeno[1,2,3-cd]pyrene	276	17.483	17.468	0.015	2239572	22.7	5
101 Dibenz(a,h)anthracene	278	17.512	17.502	0.010	1807883	20.6	5
102 Benzo[g,h,i]perylene	276	17.926	17.912	0.014	1809310	19.9	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 14:12:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D

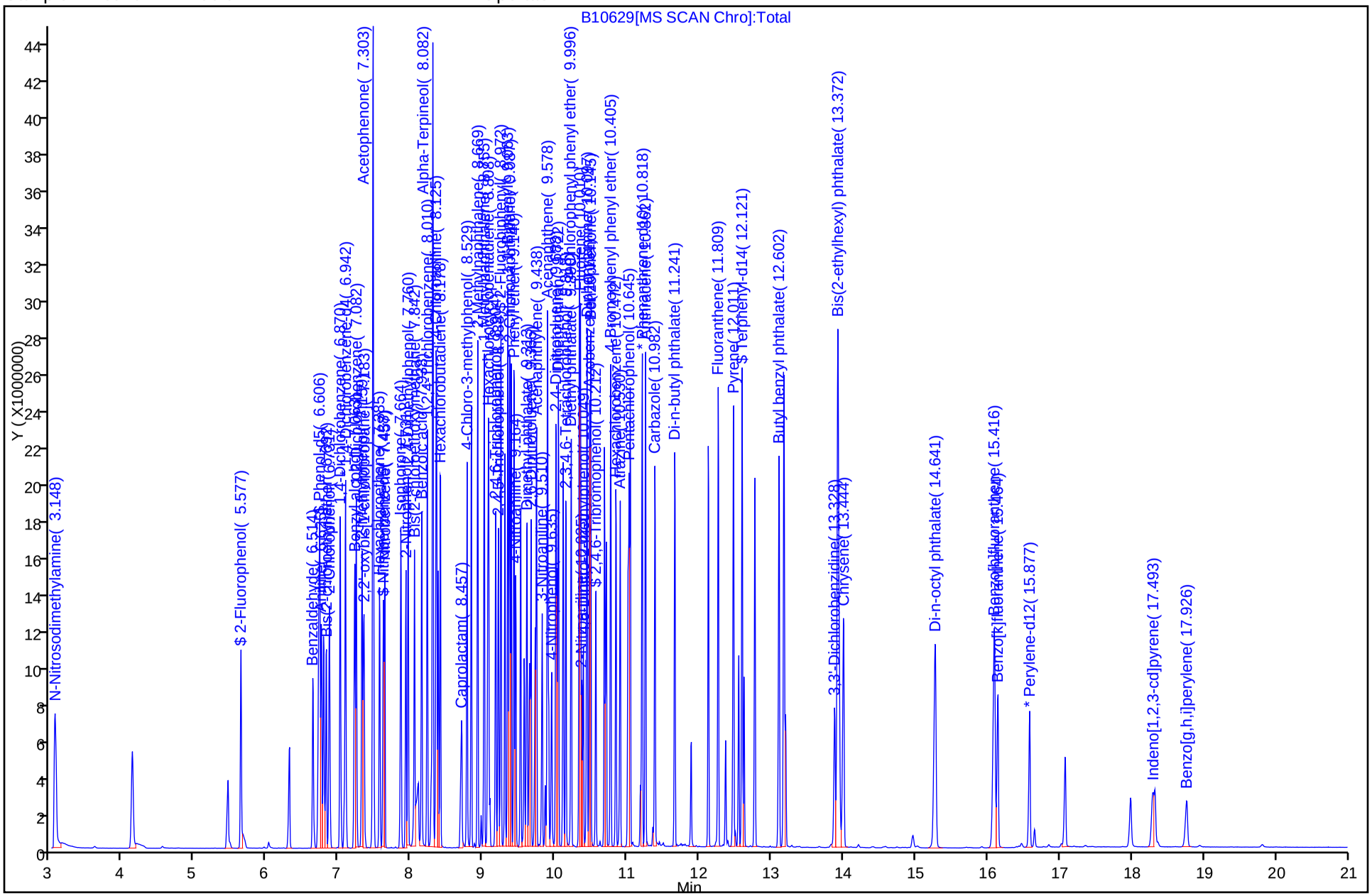
Inj Date: 29-Sep-2009 20:52:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

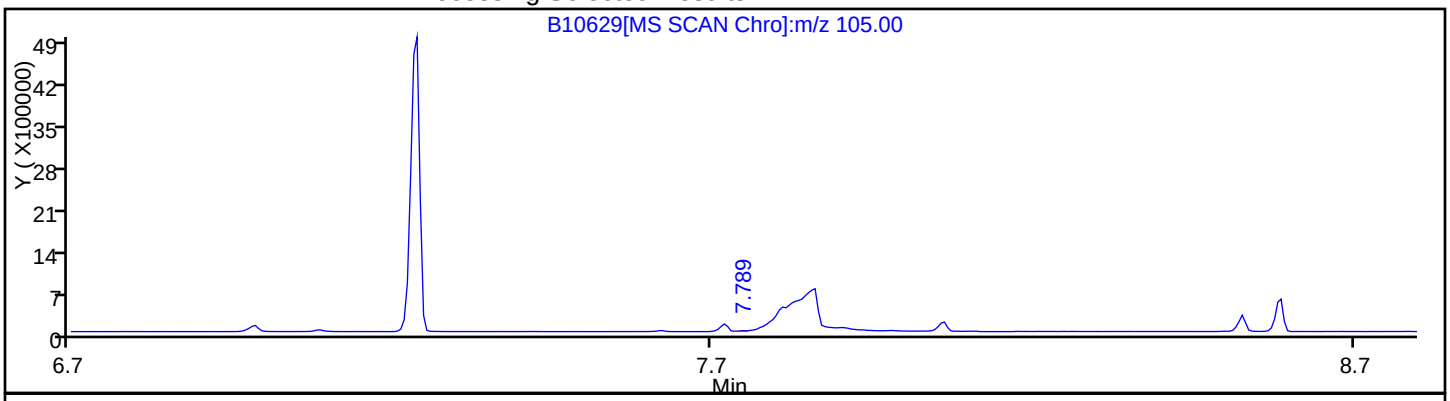


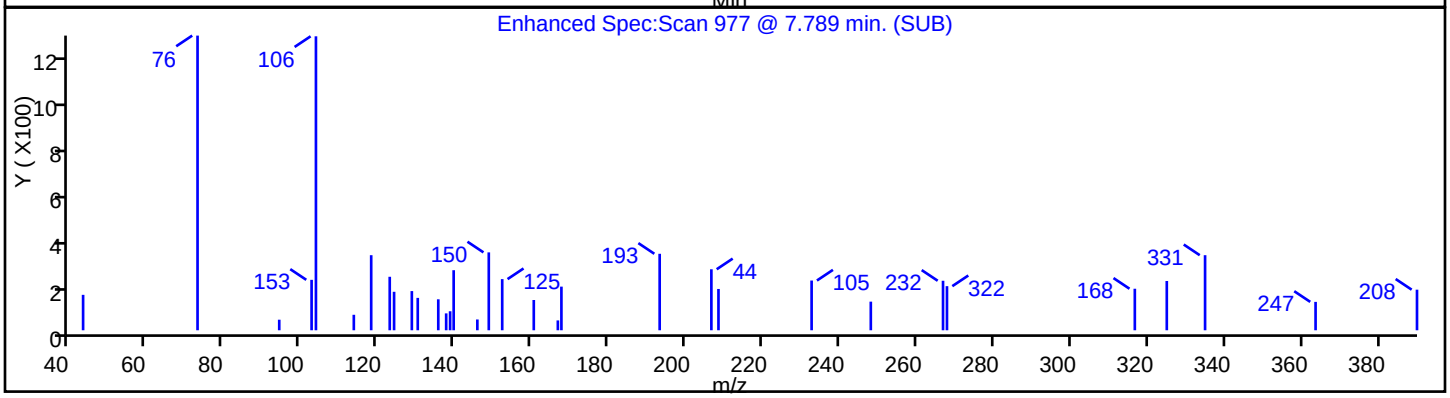
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Inj Date:	29-Sep-2009 20:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

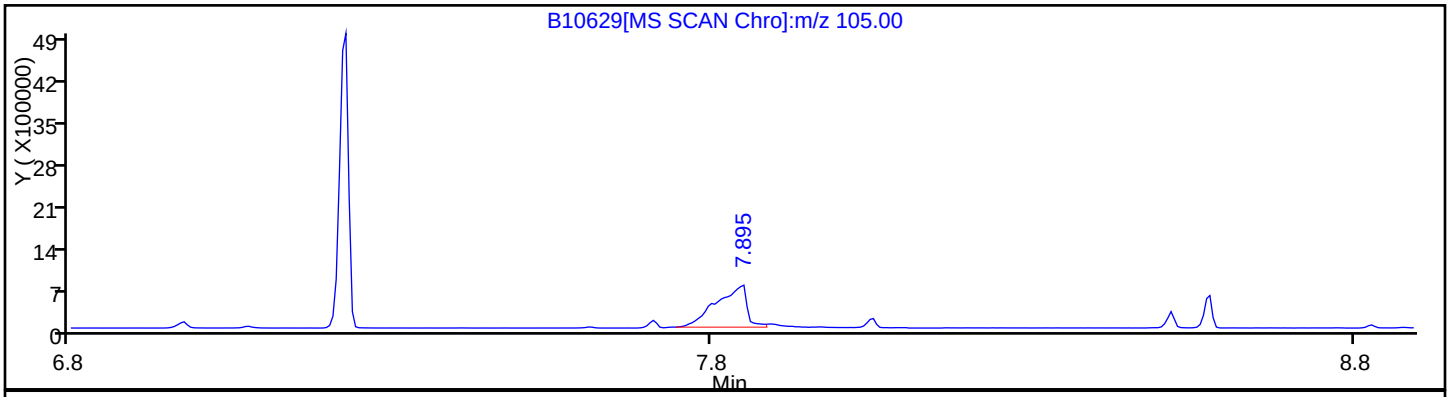
36 Benzoic acid

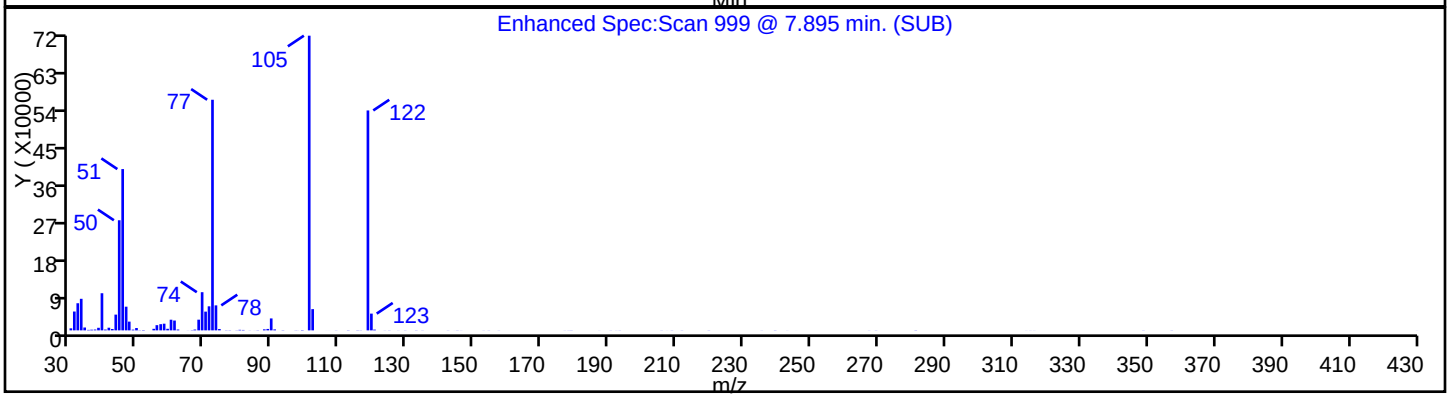
Processing Selected Results





Manual Selected Results





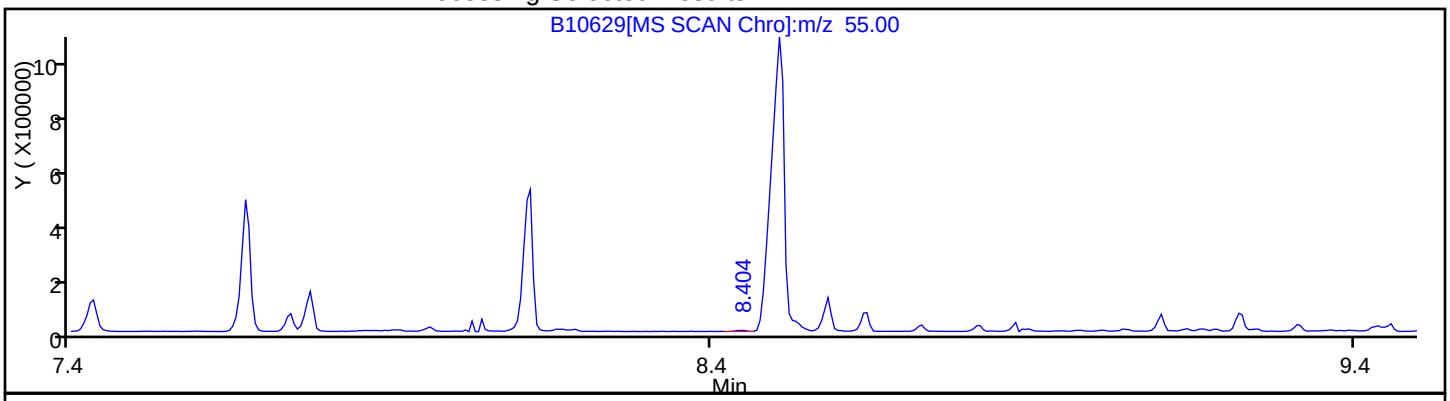
Reviewer: sullivanp, 30-Sep-2009 14:12:28
Audit Action: Selected Alternate Hit
Audit Reason:

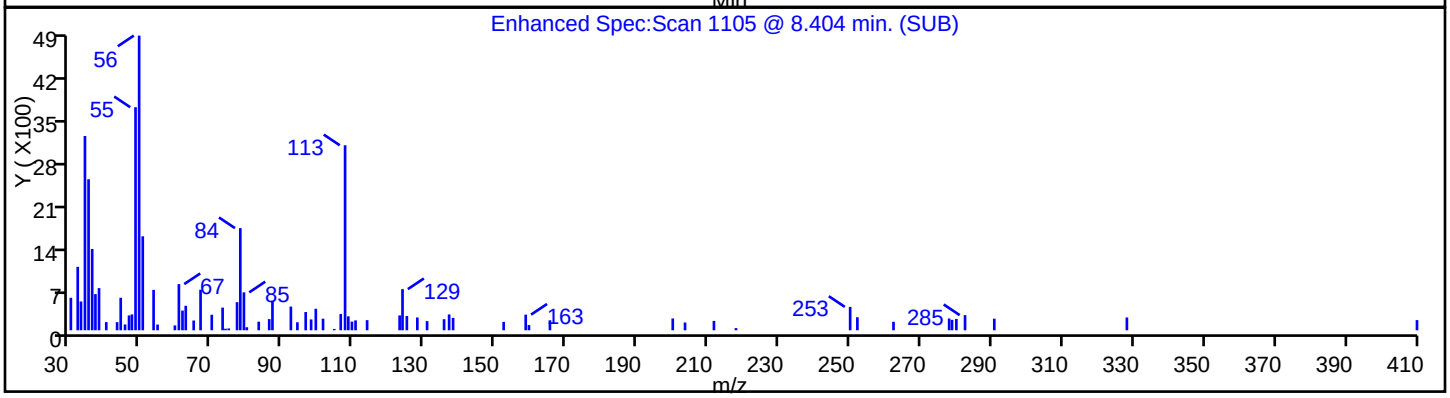
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Inj Date:	29-Sep-2009 20:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

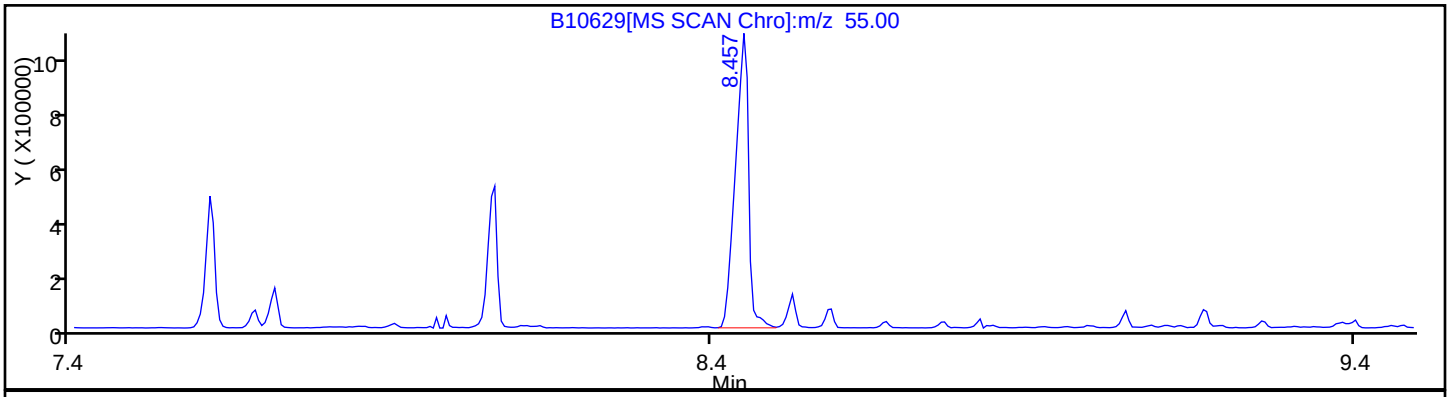
44 Caprolactam

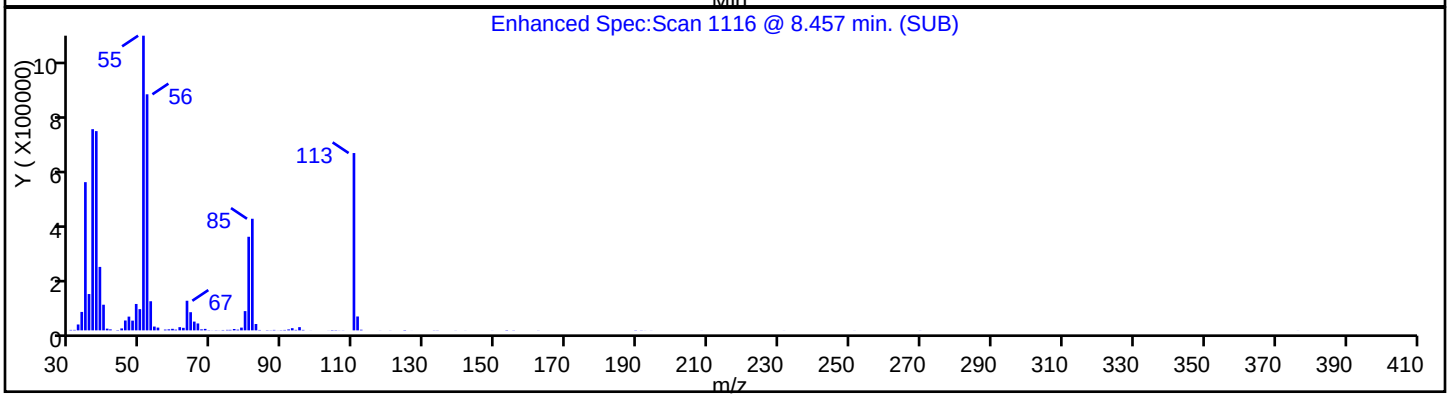
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 14:12:28
Audit Action: Selected Alternate Hit
Audit Reason:

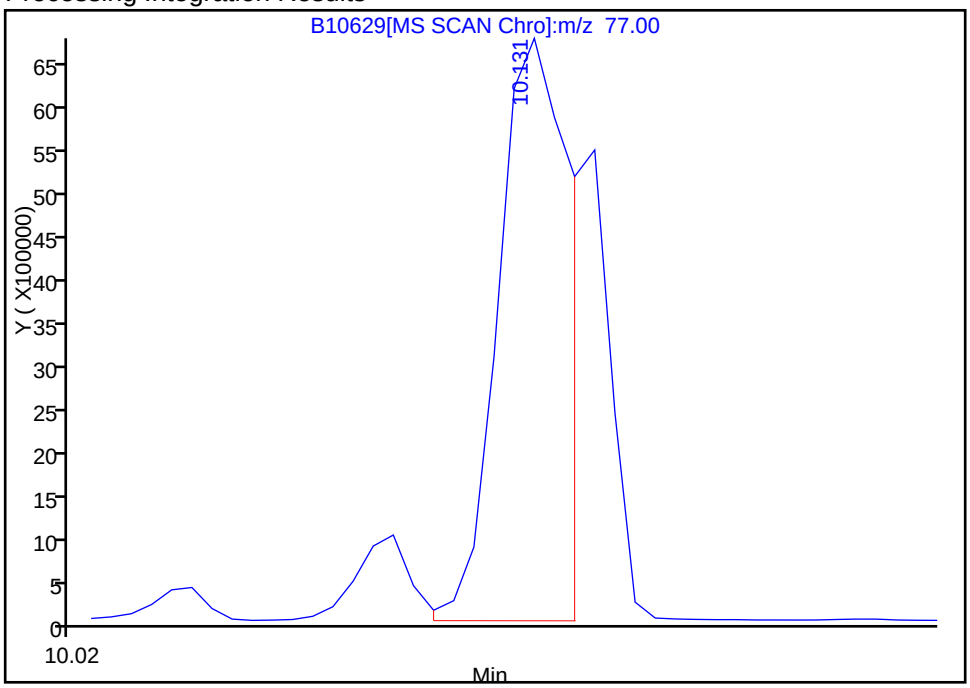
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Inj Date:	29-Sep-2009 20:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

74 Azobenzene, Number: 1, m/z: 77 Type: quant, RT: 10.13

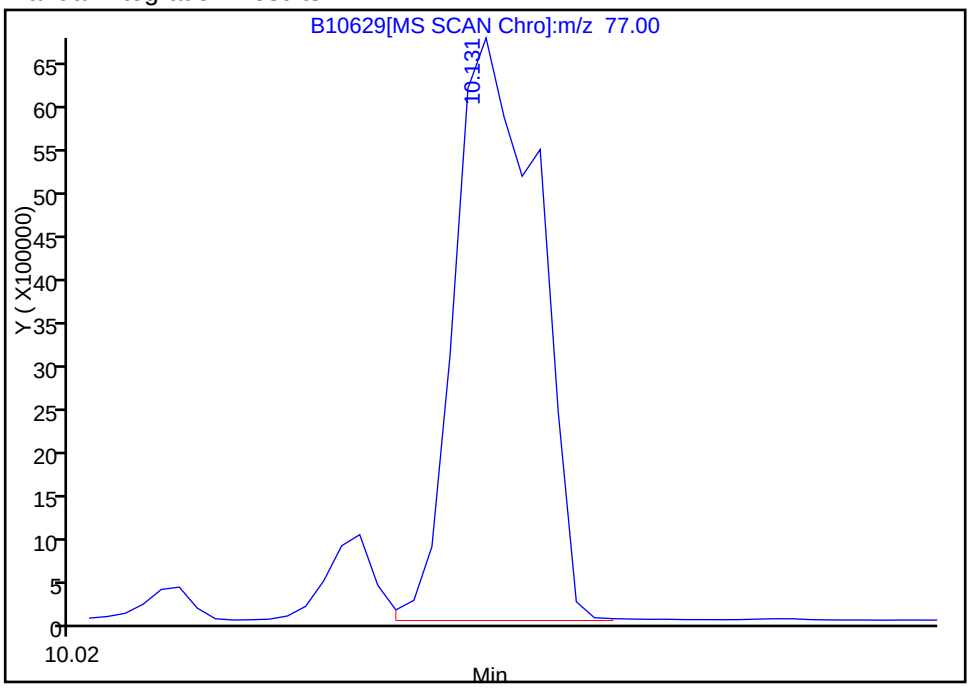
Processing Integration Results

RT: 10.13
Response: 8161128
Amount: 14.447778



Manual Integration Results

RT: 10.13
Response: 10525417
Amount: 18.209883



Reviewer: sullivanp, 30-Sep-2009 14:12:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

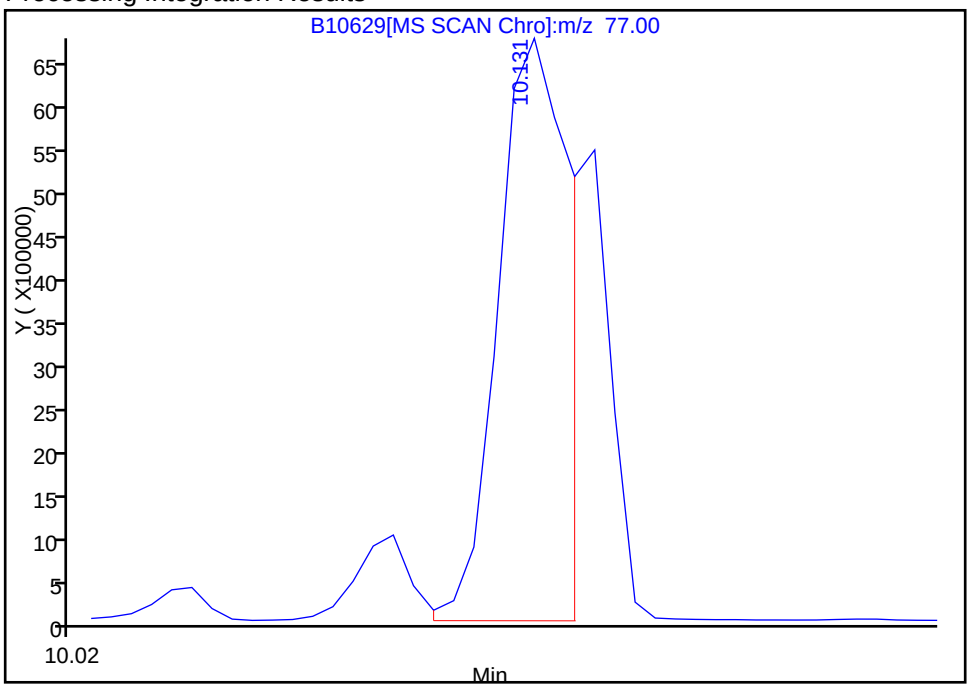
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Inj Date:	29-Sep-2009 20:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

73 1,2-Diphenylhydrazine, Number: 1, m/z: 77 Type: quant, RT: 10.13

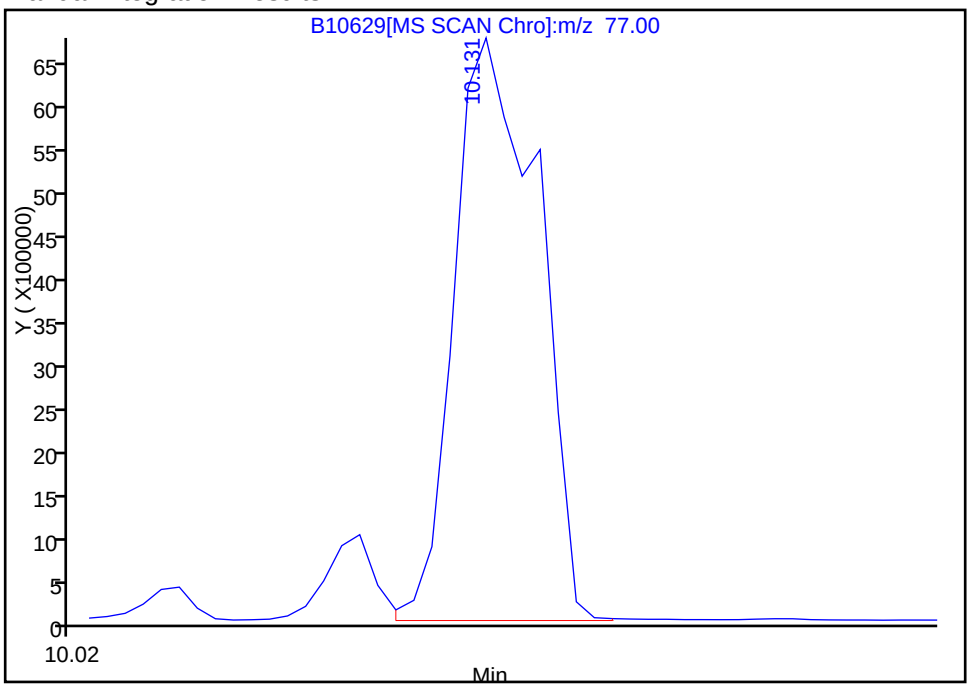
Processing Integration Results

RT: 10.13
Response: 8161128
Amount: 14.447778



Manual Integration Results

RT: 10.13
Response: 10525417
Amount: 18.209883



Reviewer: sullivanp, 30-Sep-2009 14:12:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49824/3	B10695a.D
Level 2	STD025 360-49824/4	B10696.D
Level 3	STD05 360-49824/5	B10697.D
Level 4	STD1 360-49824/6	B10698.D
Level 5	STD25 360-49824/7	B10699.D
Level 6	STD5 360-49824/2	B10694a.D
Level 7	STD8 360-49824/8	B10700.D
Level 8	STD10 360-49824/9	B10701.D
Level 9	STD20 360-49824/10	B10702.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	0.3724 0.2267	0.3024 0.2077	0.2251 0.2450	0.2346 0.5058	0.1949	Lin1	0.0076	0.2362							0.9920		0.9900
Pyridine	+++++ 0.5958	0.4087 0.5470	0.4290 0.6443	0.5423 1.4019	0.5114	Lin1	-0.106	0.6519							0.9900		0.9900
N-Nitrosodimethylamine	0.6127 0.6147	0.5995 0.5673	0.6053 0.6439	0.5706 1.3761	0.5505	Ave		0.6058				6.9		15.0			
Benzoic acid	+++++ 0.0645	+++++ 0.0997	0.0081 0.1304	0.0217 0.3379	0.0299	Qua	-0.094	0.0789	0.0048						0.9960		0.9900
2,4-Dinitrophenol	+++++ 0.0863	+++++ 0.0968	+++++ 0.1124	0.0317 0.2696	0.0611	Lin	-0.234	0.1422			0.0500				0.9900		0.9900
Benzaldehyde	0.3142 0.3121	0.3113 0.3042	0.2957 0.3499	0.2857 0.7686	0.2657	Ave		0.3137				11.0		15.0			
Aniline	1.1003 1.1175	1.0370 1.1255	0.9430 1.3222	0.9603 3.2965	0.9241	Ave		1.0662				12.0		15.0			
Phenol	1.0087 1.0424	0.8522 1.0593	0.9134 1.2553	0.8694 3.0894	0.8954	Ave		0.9870				14.0		15.0			
Bis(2-chloroethyl)ether	0.7755 0.6203	0.6621 0.6187	0.6825 0.7198	0.6233 1.6782	0.5605	Ave		0.6780				13.0		15.0			
2-Chlorophenol	0.7571 0.7475	0.7629 0.7302	0.7335 0.8367	0.7147 1.9062	0.6659	Ave		0.7668				11.0		15.0			
1,4-Dichlorobenzene	1.0364 0.8926	0.8173 0.8662	0.8824 1.0091	0.8459 2.3163	0.7856	Ave		0.8919				9.9		15.0			
1,3-Dichlorobenzene	1.0042 0.9309	0.9789 0.9089	0.9531 1.0440	0.8817 2.4190	0.8370	Ave		0.9423				7.1		15.0			
Benzyl alcohol	0.4789 0.6952	0.5130 0.7153	0.5371 0.8325	0.5643 2.1131	0.5889	Qua	-0.025	0.5583	0.0250						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

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-Dichlorobenzene	0.8449 0.8554	0.8793 0.8497	0.8415 0.9959	0.8045 2.4452	0.7641	Ave		0.8544				7.9		15.0			
2-Methylphenol	0.6715 0.6853	0.7092 0.6665	0.6571 0.7847	0.6452 1.8432	0.5980	Ave		0.6772				8.0		15.0			
2,2'-oxybis[1-chloropropane]	1.2985 1.2346	1.3367 1.2293	1.2552 1.3975	1.1695 3.2123	1.1096	Ave		1.2930				11.0		15.0			
Acetophenone	1.0043 1.0580	0.9814 1.0685	0.9749 1.2563	0.9274 2.9624	0.8986	Ave		1.0212				11.0		15.0			
N-Nitrosodi-n-propylamine	0.5436 0.5886	0.5197 0.5990	0.5062 0.7134	0.5252 1.7524	0.4879	Ave		0.5605			0.0500	13.0		15.0			
3 & 4 Methylphenol	0.6843 0.7324	0.6494 0.7377	0.6941 0.8812	0.6411 2.2367	0.6354	Ave		0.7069				11.0		15.0			
Hexachloroethane	0.4133 0.3727	0.3883 0.3625	0.3463 0.4249	0.3440 0.9912	0.3262	Ave		0.3723				9.3		15.0			
Nitrobenzene	0.4170 0.4069	0.3771 0.4122	0.3738 0.4114	0.3785 0.8633	0.3777	Ave		0.3985				5.4		15.0			
Isophorone	0.6087 0.6531	0.5723 0.6641	0.5867 0.6600	0.6053 1.3968	0.6127	Ave		0.6290				6.6		15.0			
2-Nitrophenol	0.1491 0.1770	0.1339 0.1857	0.1495 0.1844	0.1606 0.3948	0.1642	Ave		0.1669				12.0		15.0			
2,4-Dimethylphenol	0.2740 0.3579	0.3253 0.3638	0.3173 0.3718	0.3124 0.8033	0.3309	Ave		0.3395				11.0		15.0			
Bis(2-chloroethoxy)methane	0.3613 0.3515	0.3459 0.3586	0.3173 0.3667	0.3360 0.7804	0.3227	Ave		0.3500				6.5		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0940	+++++ 0.0975	0.0438 0.1039	0.0579 0.2398	0.0770	Lin1	-0.051	0.1131							0.9910		0.9900
2,4-Dichlorophenol	0.2189 0.2770	0.2459 0.2794	0.2398 0.2831	0.2568 0.6138	0.2557	Ave		0.2626				10.0		15.0			
1,2,4-Trichlorobenzene	0.2899 0.3020	0.3075 0.3116	0.2960 0.3156	0.2949 0.6897	0.2864	Ave		0.3054				5.8		15.0			
Naphthalene	1.0083 0.9968	0.9781 1.0166	0.8957 1.0324	0.9017 2.1018	0.9049	Ave		0.9762				6.2		15.0			
Alpha-Terpineol	0.2744 0.3345	0.2940 0.3497	0.2913 0.3541	0.3006 0.7581	0.3011	Ave		0.3199				11.0		15.0			
4-Chloroaniline	0.3862 0.4060	0.3553 0.4264	0.3421 0.4368	0.3759 0.9838	0.3806	Ave		0.4001				12.0		15.0			
Hexachlorobutadiene	0.2073 0.1737	0.1532 0.1789	0.1617 0.1829	0.1696 0.4060	0.1604	Ave		0.1767				11.0		15.0			
Pentachlorophenol	+++++ 0.0884	+++++ 0.0910	0.0399 0.1024	0.0462 0.2631	0.0626	Qua	-0.028	0.0744	0.0029						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

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								
Caprolactam	0.0897 0.1523	0.1146 0.1529	0.1175 0.1546	0.1319 0.3054	0.1442	Lin2	-0.006	0.1473							0.9950		0.9900
4-Chloro-3-methylphenol	0.2625 0.2972	0.2793 0.3093	0.2590 0.3144	0.2583 0.6752	0.2740	Ave		0.2880				9.8		15.0			
4-Nitrophenol	+++++ 0.2624	0.1335 0.2542	0.1554 0.2778	0.1984 0.5956	0.2235	Lin1	-0.060	0.2841			0.0500				0.9950		0.9900
2-Methylnaphthalene	0.6603 0.6299	0.6439 0.6498	0.5643 0.6809	0.5639 1.4485	0.5808	Ave		0.6331				8.7		15.0			
1-Methylnaphthalene	0.6278 0.6230	0.6337 0.6301	0.5700 0.6642	0.5656 1.4250	0.5648	Ave		0.6213				7.9		15.0			
Hexachlorocyclopentadiene	0.1384 0.2567	0.1545 0.2734	0.1955 0.2850	0.2084 0.6555	0.2274	Lin	-0.171	0.3240			0.0500				0.9930		0.9900
1,2,4,5-Tetrachlorobenzene	0.2332 0.2493	0.2484 0.2559	0.2296 0.2743	0.2262 0.6103	0.2303	Ave		0.2503				10.0		15.0			
2,4,6-Trichlorophenol	0.3390 0.3712	0.3782 0.4079	0.3390 0.4097	0.3533 0.9295	0.3614	Ave		0.3805				11.0		15.0			
2,4,5-Trichlorophenol	0.3534 0.3908	0.3777 0.3965	0.3423 0.4305	0.3571 0.9151	0.3913	Ave		0.3886				9.6		15.0			
1,1'-Biphenyl	1.7403 1.6020	1.6435 1.6497	1.5451 1.7262	1.5101 3.8333	1.5368	Ave		1.6523				7.7		15.0			
2-Chloronaphthalene	1.4784 1.6226	1.5214 1.5529	1.4230 1.6545	1.4672 3.7589	1.3941	Ave		1.5549				9.6		15.0			
Phenyl ether	0.3846 0.3948	0.4111 0.4049	0.3577 0.4179	0.3633 0.9158	0.3691	Ave		0.3957				8.0		15.0			
4-Nitroaniline	0.3559 0.4669	0.3842 0.4684	0.3874 0.4877	0.4221 1.0703	0.4282	Ave		0.4373				13.0		15.0			
Dimethyl phthalate	1.5584 1.4487	1.4144 1.4395	1.3669 1.5304	1.3422 3.3788	1.3998	Ave		1.4655				7.5		15.0			
2,6-Dinitrotoluene	0.2949 0.3363	0.2916 0.3389	0.3244 0.3512	0.3106 0.7712	0.3260	Ave		0.3288				8.9		15.0			
Acenaphthylene	1.9574 2.0112	1.9165 2.0554	1.7743 2.1452	1.7763 4.7450	1.8912	Ave		1.9889				9.5		15.0			
3-Nitroaniline	0.2918 0.3587	0.3246 0.3546	0.3179 0.3649	0.3164 0.7753	0.3288	Ave		0.3384				8.8		15.0			
Acenaphthene	1.4019 1.3312	1.3100 1.3424	1.2343 1.4481	1.2120 3.2482	1.2363	Ave		1.3489				9.6		15.0			
2,4-Dinitrotoluene	0.2764 0.4252	0.3384 0.4231	0.3564 0.4585	0.3633 1.0520	0.3958	Lin1	-0.041	0.4780							0.9900		0.9900
Dibenzofuran	1.8048 1.6849	1.7334 1.7014	1.5562 1.8383	1.4862 4.0941	1.5675	Ave		1.7133				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

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								
2,3,4,6-Tetrachlorophenol	0.1723 0.2712	0.1657 0.2627	0.2026 0.2907	0.2098 0.6804	0.2436	Lin1	-0.021	0.2747							0.9950		0.9900
Diethyl phthalate	1.4800 1.5052	1.4938 1.5078	1.3589 1.6147	1.3632 3.4984	1.4012	Ave		1.4971				8.3		15.0			
4-Chlorophenyl phenyl ether	0.6580 0.6733	0.6524 0.6911	0.5874 0.7509	0.5893 1.8297	0.6006	Ave		0.6798				15.0		15.0			
Fluorene	1.4037 1.4783	1.3258 1.5284	1.2460 1.6997	1.2075 3.8746	1.2984	Lin	-1.060	1.9102							0.9910		0.9900
2-Nitroaniline	0.4337 0.3753	0.3362 0.3918	0.4062 0.4192	0.4450 0.8842	0.4502	Ave		0.4111				9.2		15.0			
Diphenylamine	0.7270 0.7821	0.7729 0.8271	0.7630 0.8222	0.7710 1.8478	0.7383	Ave		0.7920				7.5		15.0			
N-Nitrosodiphenylamine	0.7270 0.7821	0.7729 0.8271	0.7630 0.8222	0.7710 1.8478	0.7383	Ave		0.7920				7.5		15.0			
1,2-Diphenylhydrazine	1.5891 1.7188	1.5814 1.7953	1.5698 1.7888	1.6334 3.8659	1.6043	Ave		1.6904				7.5		15.0			
Azobenzene	1.5891 1.7188	1.5814 1.7953	1.5698 1.7888	1.6334 3.8659	1.6043	Ave		1.6904				7.5		15.0			
Benzophenone	0.8969 0.9224	0.8632 0.9672	0.8572 0.9651	0.8597 2.2024	0.8542	Ave		0.9208				8.8		15.0			
4-Bromophenyl phenyl ether	0.2015 0.2148	0.2166 0.2213	0.2091 0.2253	0.1962 0.5431	0.1968	Ave		0.2170				11.0		15.0			
Hexachlorobenzene	0.2318 0.1928	0.1955 0.1934	0.1981 0.2027	0.1835 0.4812	0.1729	Ave		0.2013				11.0		15.0			
Atrazine	0.2030 0.1912	0.1615 0.1963	0.1801 0.1989	0.1795 0.4353	0.1846	Ave		0.1903				8.5		15.0			
Pentachloronitrobenzene	0.1065 0.1129	0.1009 0.1201	0.0910 0.1234	0.0972 0.2849	0.1023	Ave		0.1107				14.0		15.0			
Phenanthrene	1.2910 1.1667	1.1953 1.1580	1.1179 1.2160	1.0843 2.7102	1.0609	Ave		1.1828				8.0		15.0			
Anthracene	1.0423 1.1476	1.0285 1.1533	1.0588 1.2004	1.0700 2.6326	1.0446	Ave		1.1180				8.6		15.0			
Carbazole	0.9980 0.9964	0.9155 0.9461	0.9657 0.9785	0.9770 2.0564	0.9281	Ave		0.9704				3.7		15.0			
Di-n-butyl phthalate	1.5813 1.5122	1.4241 1.4635	1.3694 1.5596	1.3433 3.1720	1.3413	Ave		1.4645				6.8		15.0			
Fluoranthene	1.0222 1.0627	0.9856 1.0199	0.9593 1.1168	0.9487 2.4593	0.9396	Ave		1.0316				9.1		15.0			
Benzidine	0.1829 0.2518	0.1974 0.1948	0.2185 0.2421	0.2346 0.5192	0.2144	Ave		0.2218				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

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								
Pyrene	1.7619 1.4298	1.6205 1.5234	1.5224 1.4043	1.5643 2.6314	1.4725	Ave		1.5128				8.6		15.0			
Butyl benzyl phthalate	0.9109 0.7851	0.8080 0.8435	0.7168 0.7772	0.7912 1.4869	0.8210	Ave		0.7997				7.1		15.0			
3,3'-Dichlorobenzidine	0.2088 0.3009	0.2863 0.2945	0.2578 0.2781	0.3119 0.5130	0.3020	Ave		0.2774				12.0		15.0			
Benzo[a]anthracene	1.0484 0.9995	1.0166 0.9837	0.9886 0.9712	1.0000 1.9109	0.9426	Ave		0.9896				3.2		15.0			
Bis(2-ethylhexyl) phthalate	2.4079 1.1621	1.2909 1.2923	1.1011 1.1805	1.1824 2.2925	1.1603	Lin1	0.0783	1.1694							0.9970		0.9900
Chrysene	1.1306 0.8988	1.0876 0.8996	0.9560 0.8671	0.9355 1.6121	0.9122	Ave		0.9437				11.0		15.0			
Di-n-octyl phthalate	1.9352 2.4284	1.4097 2.6170	1.6626 2.5603	1.8926 5.8614	2.2820	Lin1	-0.265	2.7171							0.9920		0.9900
Benzo[b]fluoranthene	1.3374 1.2541	1.2704 1.2668	1.1724 1.3112	1.1671 2.8756	1.1952	Ave		1.2680				6.8		15.0			
Benzo[k]fluoranthene	1.2483 1.1529	1.0106 1.1443	1.0458 1.1602	1.0297 2.5022	1.0992	Ave		1.1269				7.8		15.0			
Benzo[a]pyrene	1.1537 1.0292	0.8734 1.0107	0.8719 1.0336	0.8863 2.1883	0.9188	Ave		0.9858				10.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8396 0.9696	0.8781 0.9330	0.9545 0.9800	0.9275 2.0124	0.9083	Ave		0.9330				5.6		15.0			
Dibenz(a,h)anthracene	0.9053 0.7789	0.7562 0.7753	0.7697 0.7951	0.7348 1.6660	0.7171	Ave		0.7850				7.2		15.0			
Benzo[g,h,i]perylene	0.9647 0.8249	0.8991 0.7885	0.8087 0.8109	0.7698 1.6220	0.7874	Ave		0.8294				7.5		15.0			
2-Fluorophenol	0.6398 0.6095	0.5997 0.5785	0.5856 0.6532	0.5463 1.4742	0.5395	Ave		0.6099				10.0		15.0			
Phenol-d5	0.8979 0.8670	0.8070 0.8646	0.7994 1.0048	0.7972 2.4807	0.7487	Ave		0.8483				9.4		15.0			
Nitrobenzene-d5	0.4025 0.4120	0.3587 0.4175	0.3599 0.4173	0.3777 0.8597	0.3842	Ave		0.3955				6.6		15.0			
2-Fluorobiphenyl	1.6028 1.5314	1.5622 1.5840	1.4517 1.6632	1.4481 3.7293	1.4970	Ave		1.5783				8.1		15.0			
2,4,6-Tribromophenol	0.0626 0.0863	0.0781 0.0900	0.0679 0.0930	0.0731 0.2286	0.0830	Ave		0.0792				14.0		15.0			
Terphenyl-d14	1.2283 0.8101	0.9207 0.8925	0.8640 0.8424	0.8885 1.6802	0.8399	Ave		0.9029				14.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49824/3	B10695a.D
Level 2	STD025 360-49824/4	B10696.D
Level 3	STD05 360-49824/5	B10697.D
Level 4	STD1 360-49824/6	B10698.D
Level 5	STD25 360-49824/7	B10699.D
Level 6	STD5 360-49824/2	B10694a.D
Level 7	STD8 360-49824/8	B10700.D
Level 8	STD10 360-49824/9	B10701.D
Level 9	STD20 360-49824/10	B10702.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
1,4-Dioxane	DCB	Lin1	3809 136307	7146 174742	11961 242421	27640 437823	59135	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pyridine	DCB	Lin1	+++++ 358259	9660 460161	22796 637566	63894 1213489	155170	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodimethylamine	DCB	Ave	6268 369620	14168 477232	32161 637146	67227 1191099	167053	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzoic acid	NPT	Qua	+++++ 86019	+++++ 179192	992 319799	5596 795462	18682	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 51967	+++++ 78139	+++++ 122730	3550 270767	16638	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
Benzaldehyde	DCB	Ave	3214 187678	7358 255887	15714 346190	33662 665334	80633	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Aniline	DCB	Ave	11256 671953	24508 946824	50102 1308322	113149 2853421	280414	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenol	DCB	Ave	10319 626778	20141 891195	48530 1242089	102439 2674183	271711	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	7933 372976	15647 520498	36263 712253	73445 1452592	170074	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Chlorophenol	DCB	Ave	7745 449451	18029 614326	38974 827918	84207 1649945	202067	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,4-Dichlorobenzene	DCB	Ave	10602 536688	19315 728714	46883 998507	99673 2004975	238381	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,3-Dichlorobenzene	DCB	Ave	10272 559753	23135 764599	50641 1033021	103890 2093871	253977	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzyl alcohol	DCB	Qua	4899 418009	12123 601725	28538 823730	66488 1829096	178688	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2-Dichlorobenzene	DCB	Ave	8643 514318	20780 714790	44709 985456	94787 2116542	231845	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylphenol	DCB	Ave	6869 412055	16760 560731	34912 776459	76023 1595450	181473	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	13283 742353	31590 1034205	66692 1382849	137793 2780543	336699	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acetophenone	DCB	Ave	10273 636173	23193 898875	51799 1243074	109277 2564236	272687	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	5561 353884	12283 503894	26898 705909	61878 1516902	148056	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3 & 4 Methylphenol	DCB	Ave	7000 440398	15347 620599	36877 871957	75542 1936086	192801	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachloroethane	DCB	Ave	4228 224081	9177 304946	18400 420400	40532 857935	98971	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Nitrobenzene	NPT	Ave	9766 542677	20859 740754	45659 1008867	97663 2032371	235984	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Isophorone	NPT	Ave	14256 871028	31660 1193530	71664 1618277	156183 3288326	382763	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Nitrophenol	NPT	Ave	3493 236129	7410 333804	18261 452217	41448 929311	102607	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dimethylphenol	NPT	Ave	6418 477355	17998 653708	38754 911746	80612 1891133	206747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	8461 468800	19133 644351	38761 899202	86716 1837257	201598	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 86619	+++++ 116781	3163 179687	9098 381189	31555	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dichlorophenol	NPT	Ave	5126 369435	13605 502178	29287 694175	66263 1445069	159716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	6789 402747	17009 560012	36159 773867	76107 1623686	178887	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Naphthalene	NPT	Ave	23616 1329493	54107 1826930	109402 2531536	232680 4947922	565305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Alpha-Terpineol	NPT	Ave	6427 446174	16266 628525	35578 868182	77570 1784759	188102	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Chloroaniline	NPT	Ave	9046 541490	19655 766337	41781 1071057	97004 2315916	237784	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachlorobutadiene	NPT	Ave	4855 231717	8474 321458	19747 448545	43752 955844	100175	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pentachlorophenol	PHN	Qua	+++++ 81431	+++++ 108927	2881 177102	7270 418305	25651	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 10.0	2.50
Caprolactam	NPT	Lin2	2101 203095	6338 274799	14355 379073	34043 718959	90055	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	6149 396429	15450 555902	31632 770916	66646 1589429	171159	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
4-Nitrophenol	ANT	Lin1	+++++ 158111	3200 205266	8092 303223	22211 598165	60903	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Methylnaphthalene	NPT	Ave	15466 840186	35623 1167686	68923 1669658	145513 3409990	362803	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1-Methylnaphthalene	NPT	Ave	14705 830994	35057 1132397	69622 1628600	145940 3354576	352851	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	1397 154678	3704 220797	10180 311109	23334 658327	61957	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	5461 332490	13744 459797	28044 672677	58366 1436793	143858	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	3422 223642	9064 329407	17655 447251	39559 933500	98479	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	3568 235436	9053 320163	17825 469866	39985 918947	106616	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,1'-Biphenyl	ANT	Ave	17569 965147	39389 1332110	80457 1884300	169073 3849625	418778	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Chloronaphthalene	ANT	Ave	14925 977563	36464 1253942	74101 1806022	164272 3774881	379888	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenyl ether	NPT	Ave	9008 526522	22743 727640	43690 1024800	93752 2155939	230601	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Nitroaniline	ANT	Ave	3593 281281	9208 378227	20175 532356	47258 1074824	116688	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dimethyl phthalate	ANT	Ave	15732 872776	33899 1162368	71178 1670483	150275 3393118	381440	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,6-Dinitrotoluene	ANT	Ave	2977 202596	6989 273630	16892 383402	34780 774470	88820	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acenaphthylene	ANT	Ave	19760 1211654	45934 1659751	92393 2341631	198878 4765136	515342	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3-Nitroaniline	ANT	Ave	2946 216116	7779 286355	16552 398300	35424 778638	89583	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acenaphthene	ANT	Ave	14152 802001	31398 1084022	64273 1580691	135693 3261983	336885	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	2790 256173	8111 341663	18557 500529	40674 1056494	107864	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dibenzofuran	ANT	Ave	18220 1015056	41546 1373862	81033 2006573	166398 4111469	427118	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	1739 163358	3972 212105	10549 317351	23489 683314	66382	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Diethyl phthalate	ANT	Ave	14941 906819	35803 1217541	70760 1762573	152626 3513261	381811	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	6643 405640	15636 558085	30587 819658	65973 1837430	163663	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Fluorene	ANT	Lin	14171 890613	31776 1234166	64881 1855331	135197 3891094	353805	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Nitroaniline	ANT	Ave	4378 226085	8057 316376	21151 457594	49826 887977	122667	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Diphenylamine	PHN	Ave	10373 720707	28275 990537	55051 1421547	121235 2937294	302684	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	10373 720707	28275 990537	55051 1421547	121235 2937294	302684	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	22673 1583884	57851 2149993	113263 3092723	256838 6145208	657723	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Azobenzene	PHN	Ave	22673 1583884	57851 2149993	113263 3092723	256838 6145208	657723	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzophenone	PHN	Ave	12796 850019	31578 1158349	61849 1668644	135175 3501005	350176	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	2875 197957	7924 265021	15087 389615	30843 863294	80677	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachlorobenzene	PHN	Ave	3307 177698	7150 231655	14290 350486	28860 764874	70863	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Atrazine	PHN	Ave	2897 176175	5909 235102	12997 343900	28230 691889	75660	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pentachloronitrobenzene	PHN	Ave	1519 104013	3690 143827	6564 213270	15282 452875	41944	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenanthrene	PHN	Ave	18420 1075194	43725 1386788	80657 2102338	170504 4308147	434926	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Anthracene	PHN	Ave	14871 1057581	37624 1381180	76390 2075400	168252 4184751	428237	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Carbazole	PHN	Ave	14239 918260	33489 1133017	69677 1691769	153629 3268835	380494	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Di-n-butyl phthalate	PHN	Ave	22562 1393551	52096 1752646	98799 2696481	211226 5042272	549878	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Fluoranthene	PHN	Ave	14584 979338	36055 1221460	69211 1930988	149181 3909337	385191	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzidine	PHN	Ave	2609 232001	7223 233300	15764 418602	36888 825325	87894	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pyrene	CRY	Ave	13394 1044869	38080 1271167	73182 2023065	156639 4068852	400182	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Butyl benzyl phthalate	CRY	Ave	6925 573755	18987 703849	34455 1119658	79221 2299117	223105	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3,3'-Dichlorobenzidine	CRY	Ave	1587 219928	6727 245718	12392 400695	31229 793316	82059	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[a]anthracene	CRY	Ave	7970 730464	23888 820874	47523 1399151	100135 2954842	256153	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49824

SDG No.: OCRI-15

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2009 16:51 Calibration End Date: 10/03/2009 20:33 Calibration ID: 4959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Bis(2-ethylhexyl) phthalate	CRY	Lin1	18305 849296	30334 1078310	52928 1700747	118399 3544933	315320	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Chrysene	CRY	Ave	8595 656879	25556 750627	45957 1249243	93676 2492711	247897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Di-n-octyl phthalate	PRY	Lin1	9356 1194897	25334 1430328	55680 2308908	139603 4659577	428260	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[b]fluoranthene	PRY	Ave	6466 617057	22830 692402	39262 1182417	86089 2286005	224298	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[k]fluoranthene	PRY	Ave	6035 567299	18161 625413	35024 1046243	75952 1989136	206276	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[a]pyrene	PRY	Ave	5578 506414	15696 552397	29200 932128	65378 1739600	172428	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	4059 477074	15780 509961	31965 883761	68410 1599776	170461	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dibenz(a,h)anthracene	PRY	Ave	4377 383230	13590 423770	25777 717043	54197 1324411	134576	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	4664 405900	16158 430933	27083 731239	56778 1289397	147764	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Fluorophenol	DCB	Ave	6545 366457	14174 486659	31115 646385	64373 1276037	163717	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenol-d5	DCB	Ave	9185 521329	19071 727401	42472 994216	93929 2147296	227175	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Nitrobenzene-d5	NPT	Ave	9427 549465	19841 750334	43955 1023172	97466 2023786	239993	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Fluorobiphenyl	ANT	Ave	16181 922596	37441 1279035	75595 1815496	162131 3745134	407927	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,6-Tribromophenol	PHN	Ave	893 79540	2857 107773	4896 160864	11493 363318	34025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Terphenyl-d14	CRY	Ave	9338 592027	21634 744739	41534 1213628	88964 2598133	228253	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10694a.D		
Lims ID:	std5	Client ID:	
Inject. Date:	03-Oct-2009 16:51:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49824	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	06-Oct-2009 16:49:33
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:00:55

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.630	6.630	0.000	240510	2.00	
* 2 Naphthalene-d8	136	7.779	7.779	0.000	533509	2.00	
* 3 Acenaphthene-d10	164	9.260	9.260	0.000	240982	2.00	
* 4 Phenanthrene-d10	188	10.496	10.496	0.000	368613	2.00	
* 5 Chrysene-d12	240	12.905	12.905	0.000	292320	2.00	
* 6 Perylene-d12	264	15.434	15.434	0.000	196817	2.00	
$ 7 2-Fluorophenol	112	5.221	5.221	0.000	366457	5.00	
$ 8 Phenol-d5	99	6.307	6.307	0.000	521329	5.11	
$ 9 Nitrobenzene-d5	82	7.149	7.149	0.000	549465	5.21	
$ 10 2-Fluorobiphenyl	172	8.693	8.693	0.000	922596	4.85	
$ 11 2,4,6-Tribromophenol	330	9.919	9.919	0.000	79540	5.45	
$ 12 Terphenyl-d14	244	11.813	11.813	0.000	592027	4.49	
14 1,4-Dioxane	88	2.148	2.148	0.000	136307	4.77	
16 Pyridine	79	2.605	2.605	0.000	358259	4.73	
15 N-Nitrosodimethylamine	42	2.619	2.619	0.000	369620	5.07	
17 Benzaldehyde	105	6.206	6.206	0.000	187678	4.98	
19 Aniline	93	6.322	6.322	0.000	671953	5.24	
18 Phenol	94	6.322	6.322	0.000	626778	5.28	
20 Bis(2-chloroethyl)ether	93	6.394	6.394	0.000	372976	4.57	
21 2-Chlorophenol	128	6.432	6.432	0.000	449451	4.87	
22 1,4-Dichlorobenzene	146	6.572	6.572	0.000	536688	5.00	
23 1,3-Dichlorobenzene	146	6.644	6.644	0.000	559753	4.94	
24 Benzyl alcohol	79	6.774	6.774	0.000	418009	5.10	
25 1,2-Dichlorobenzene	146	6.788	6.788	0.000	514318	5.01	
26 2-Methylphenol	108	6.889	6.889	0.000	412055	5.06	
27 2,2'-oxybis[1-chloropropane]	45	6.904	6.904	0.000	742353	4.77	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.014	7.014	0.000	636173	5.18	
29 N-Nitrosodi-n-propylamine	70	7.024	7.024	0.000	353884	5.25	
28 3 & 4 Methylphenol	108	7.029	7.029	0.000	440398	5.18	
31 Hexachloroethane	117	7.096	7.096	0.000	224081	5.01	
32 Nitrobenzene	77	7.168	7.168	0.000	542677	5.11	
33 Isophorone	82	7.380	7.380	0.000	871028	5.19	
34 2-Nitrophenol	139	7.447	7.447	0.000	236129	5.30	
35 2,4-Dimethylphenol	107	7.495	7.495	0.000	477355	5.27	
36 Benzoic acid	105	7.558	7.558	0.000	86019	4.21	
37 Bis(2-chloroethoxy)methane	93	7.572	7.572	0.000	468800	5.02	
38 2,4-Dichlorophenol	162	7.659	7.659	0.000	369435	5.27	
39 1,2,4-Trichlorobenzene	180	7.731	7.731	0.000	402747	4.94	
41 Naphthalene	128	7.798	7.798	0.000	1329493	5.11	
40 Alpha-Terpineol	59	7.803	7.803	0.000	446174	5.23	
42 4-Chloroaniline	127	7.846	7.846	0.000	541490	5.07	
43 Hexachlorobutadiene	225	7.904	7.904	0.000	231717	4.92	
44 Caprolactam	55	8.135	8.135	0.000	203095	5.21	
45 4-Chloro-3-methylphenol	107	8.260	8.260	0.000	396429	5.16	
46 2-Methylnaphthalene	142	8.385	8.385	0.000	840186	4.97	
47 1-Methylnaphthalene	142	8.471	8.471	0.000	830994	5.01	
48 Hexachlorocyclopentadiene	237	8.519	8.519	0.000	154678	4.49	
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.529	0.000	332490	4.98	
50 2,4,6-Trichlorophenol	196	8.625	8.625	0.000	223642	4.88	
51 2,4,5-Trichlorophenol	196	8.659	8.659	0.000	235436	5.03	
52 1,1'-Biphenyl	154	8.779	8.779	0.000	965147	4.85	
53 2-Chloronaphthalene	162	8.798	8.798	0.000	977563	5.22	
54 Phenyl ether	170	8.861	8.861	0.000	526522	4.99	
68 4-Nitroaniline	138	8.880	8.880	0.000	281281	5.34	
56 Dimethyl phthalate	163	9.029	9.029	0.000	872776	4.94	
57 2,6-Dinitrotoluene	165	9.082	9.082	0.000	202596	5.11	
58 Acenaphthylene	152	9.145	9.145	0.000	1211654	5.06	
59 3-Nitroaniline	138	9.222	9.222	0.000	216116	5.30	
61 Acenaphthene	153	9.289	9.289	0.000	802001	4.93	
60 2,4-Dinitrophenol	184	9.308	9.308	0.000	51967	4.68	
62 4-Nitrophenol	109	9.361	9.361	0.000	158111	4.83	
63 2,4-Dinitrotoluene	165	9.414	9.414	0.000	256173	4.53	
64 Dibenzofuran	168	9.433	9.433	0.000	1015056	4.92	
65 2,3,4,6-Tetrachlorophenol	232	9.534	9.534	0.000	163358	5.01	
66 Diethyl phthalate	149	9.611	9.611	0.000	906819	5.03	
67 4-Chlorophenyl phenyl ether	204	9.712	9.712	0.000	405640	4.95	
69 Fluorene	166	9.717	9.717	0.000	890613	4.42	
55 2-Nitroaniline	65	9.726	9.726	0.000	226085	4.56	
70 4,6-Dinitro-2-methylphenol	198	9.755	9.755	0.000	86619	4.61	
71 Diphenylamine	169	9.808	9.808	0.000	720707	4.94	
72 N-Nitrosodiphenylamine	169	9.808	9.808	0.000	720707	4.94	
73 1,2-Diphenylhydrazine	77	9.842	9.842	0.000	1583884	5.08	
74 Azobenzene	77	9.842	9.842	0.000	1583884	5.08	
13 Benzophenone	105	9.851	9.851	0.000	850019	5.01	
75 4-Bromophenyl phenyl ether	248	10.116	10.116	0.000	197957	4.95	
76 Hexachlorobenzene	284	10.178	10.178	0.000	177698	4.79	
77 Atrazine	200	10.246	10.246	0.000	176175	5.02	
78 Pentachlorophenol	266	10.342	10.342	0.000	81431	5.24	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.352	10.352	0.000	104013	5.10	
80 Phenanthrene	178	10.515	10.515	0.000	1075194	4.93	
81 Anthracene	178	10.558	10.558	0.000	1057581	5.13	
83 Carbazole	167	10.688	10.688	0.000	918260	5.13	
84 Di-n-butyl phthalate	149	10.962	10.962	0.000	1393551	5.16	
87 Fluoranthene	202	11.506	11.506	0.000	979338	5.15	
86 Benzidine	184	11.611	11.611	0.000	232001	5.68	
85 Pyrene	202	11.698	11.698	0.000	1044869	4.73	
89 Butyl benzyl phthalate	149	12.246	12.246	0.000	573755	4.91	
91 3,3'-Dichlorobenzidine	252	12.852	12.850	0.002	219928	5.42	
93 Benzo[a]anthracene	228	12.891	12.891	0.000	730464	5.05	
92 Bis(2-ethylhexyl) phthalate	149	12.905	12.905	0.000	849296	4.90	
94 Chrysene	228	12.939	12.939	0.000	656879	4.76	
95 Di-n-octyl phthalate	149	13.968	13.968	0.000	1194897	4.57	
97 Benzo[b]fluoranthene	252	14.723	14.716	0.007	617057	4.94	
98 Benzo[k]fluoranthene	252	14.780	14.774	0.006	567299	5.12	
99 Benzo[a]pyrene	252	15.348	15.346	0.002	506414	5.22	
100 Indeno[1,2,3-cd]pyrene	276	16.834	16.834	0.000	477074	5.20	
101 Dibenz(a,h)anthracene	278	16.863	16.863	0.000	383230	4.96	
102 Benzo[g,h,i]perylene	276	17.204	17.204	0.000	405900	4.97	

Report Date: 06-Oct-2009 17:00:55 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10694a.D

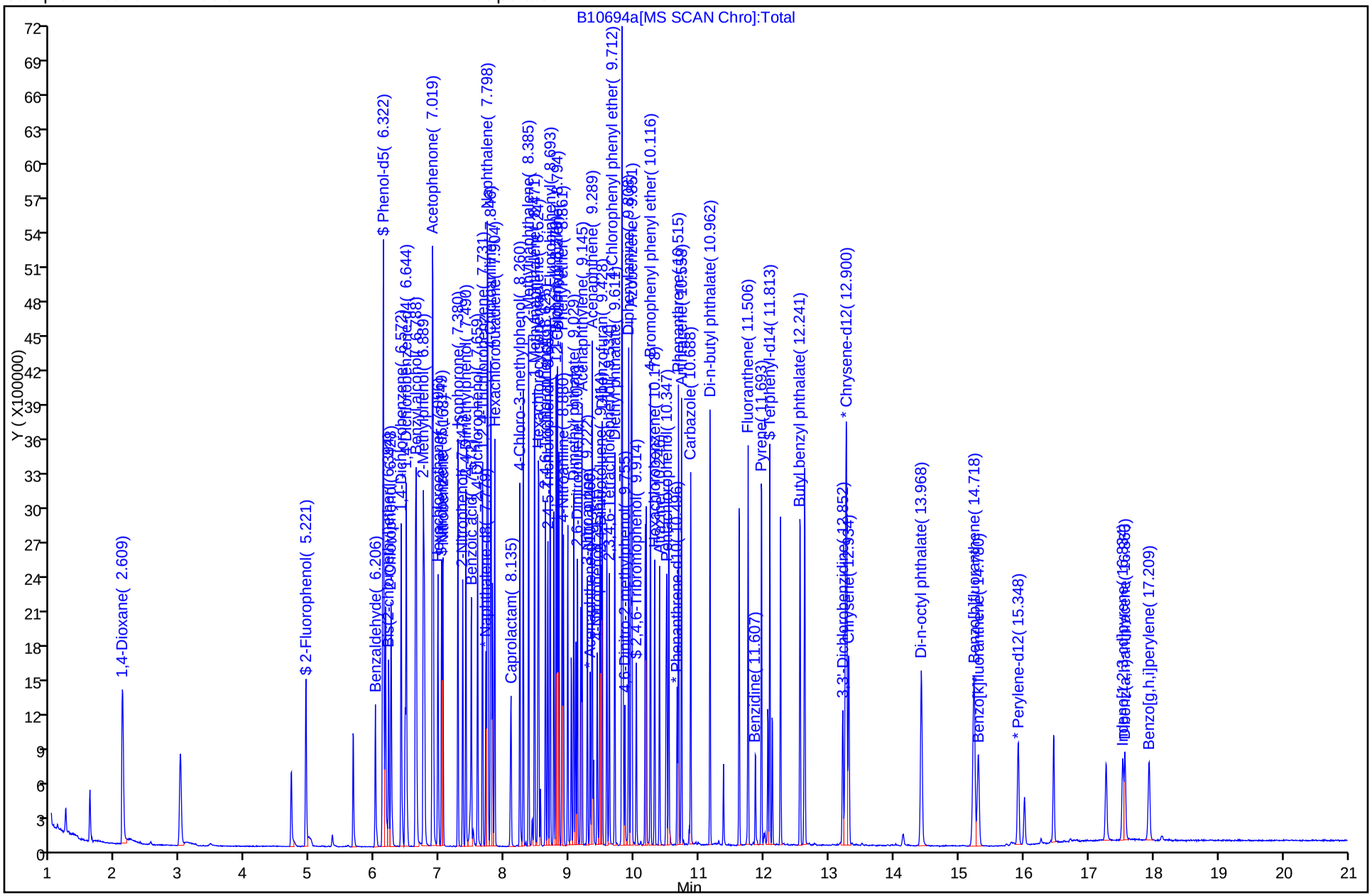
Inj Date: 03-Oct-2009 16:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: 5 ppm

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Lims ID:	std01	Client ID:	
Inject. Date:	03-Oct-2009 17:19:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49824	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	06-Oct-2009 16:51:51
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:01

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.628	6.632	-0.004	204590	2.00	
* 2 Naphthalene-d8	136	7.777	7.777	0.000	468424	2.00	
* 3 Acenaphthene-d10	164	9.258	9.263	-0.005	201903	2.00	
* 4 Phenanthrene-d10	188	10.494	10.499	-0.005	285352	2.00	
* 5 Chrysene-d12	240	12.899	12.903	-0.004	152044	2.00	
* 6 Perylene-d12	264	15.433	15.432	0.001	96694	2.00	s
$ 7 2-Fluorophenol	112	5.224	5.218	0.006	6545	0.1049	
$ 8 Phenol-d5	99	6.306	6.310	-0.004	9185	0.1058	
$ 9 Nitrobenzene-d5	82	7.147	7.147	0.000	9427	0.1018	
$ 10 2-Fluorobiphenyl	172	8.691	8.690	0.001	16181	0.1016	
$ 11 2,4,6-Tribromophenol	330	9.917	9.917	0.000	893	0.0790	
$ 12 Terphenyl-d14	244	11.812	11.816	-0.004	9338	0.1360	
14 1,4-Dioxane	88	2.161	2.155	0.006	3809	0.1254	
15 N-Nitrosodimethylamine	42	2.632	2.622	0.010	6268	0.1011	
17 Benzaldehyde	105	6.210	6.209	0.001	3214	0.1002	
19 Aniline	93	6.320	6.320	0.000	11256	0.1032	
18 Phenol	94	6.320	6.320	0.000	10319	0.1022	
20 Bis(2-chloroethyl)ether	93	6.392	6.397	-0.005	7933	0.1144	
21 2-Chlorophenol	128	6.431	6.430	0.001	7745	0.0987	
22 1,4-Dichlorobenzene	146	6.575	6.575	0.000	10602	0.1162	
23 1,3-Dichlorobenzene	146	6.647	6.647	0.000	10272	0.1066	
24 Benzyl alcohol	79	6.772	6.777	-0.004	4899	0.1306	
25 1,2-Dichlorobenzene	146	6.787	6.786	0.001	8643	0.0989	
26 2-Methylphenol	108	6.888	6.887	0.001	6869	0.0992	
27 2,2'-oxybis[1-chloropropane]	45	6.902	6.906	-0.004	13283	0.1004	
30 Acetophenone	105	7.013	7.017	-0.004	10273	0.0983	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.022	7.022	0.000	5561	0.0970	
28 3 & 4 Methylphenol	108	7.027	7.031	-0.004	7000	0.0968	
31 Hexachloroethane	117	7.094	7.094	0.000	4228	0.1110	
32 Nitrobenzene	77	7.166	7.166	0.000	9766	0.1046	
33 Isophorone	82	7.378	7.378	0.000	14256	0.0968	
34 2-Nitrophenol	139	7.450	7.450	0.000	3493	0.0894	
35 2,4-Dimethylphenol	107	7.489	7.493	-0.004	6418	0.0807	
37 Bis(2-chloroethoxy)methane	93	7.570	7.570	0.000	8461	0.1032	
38 2,4-Dichlorophenol	162	7.657	7.661	-0.004	5126	0.0833	
39 1,2,4-Trichlorobenzene	180	7.729	7.729	0.000	6789	0.0949	
41 Naphthalene	128	7.796	7.796	0.000	23616	0.1033	
40 Alpha-Terpineol	59	7.801	7.806	-0.005	6427	0.0858	
42 4-Chloroaniline	127	7.845	7.844	0.001	9046	0.0965	
43 Hexachlorobutadiene	225	7.902	7.902	0.000	4855	0.1173	
44 Caprolactam	55	8.104	8.133	-0.029	2101	0.1046	
45 4-Chloro-3-methylphenol	107	8.258	8.258	0.000	6149	0.0912	
46 2-Methylnaphthalene	142	8.383	8.387	-0.004	15466	0.1043	
47 1-Methylnaphthalene	142	8.470	8.469	0.001	14705	0.1011	
48 Hexachlorocyclopentadiene	237	8.518	8.517	0.001	1397	0.5707	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	5461	0.0932	
50 2,4,6-Trichlorophenol	196	8.624	8.628	-0.004	3422	0.0891	
51 2,4,5-Trichlorophenol	196	8.657	8.657	0.000	3568	0.0910	
52 1,1'-Biphenyl	154	8.777	8.777	0.000	17569	0.1053	
53 2-Chloronaphthalene	162	8.792	8.796	-0.004	14925	0.0951	
54 Phenyl ether	170	8.864	8.864	0.000	9008	0.0972	
68 4-Nitroaniline	138	8.878	8.883	-0.005	3593	0.0814	
56 Dimethyl phthalate	163	9.023	9.027	-0.004	15732	0.1063	
57 2,6-Dinitrotoluene	165	9.076	9.080	-0.004	2977	0.0897	
58 Acenaphthylene	152	9.143	9.142	0.001	19760	0.0984	
59 3-Nitroaniline	138	9.220	9.219	0.001	2946	0.0862	
61 Acenaphthene	153	9.287	9.287	0.000	14152	0.1039	
63 2,4-Dinitrotoluene	165	9.412	9.417	-0.005	2790	0.1443	
64 Dibenzofuran	168	9.427	9.431	-0.004	18220	0.1053	
65 2,3,4,6-Tetrachlorophenol	232	9.537	9.532	0.005	1739	0.1401	
66 Diethyl phthalate	149	9.605	9.609	-0.004	14941	0.0989	
67 4-Chlorophenyl phenyl ether	204	9.710	9.710	0.000	6643	0.0968	
69 Fluorene	166	9.715	9.715	0.000	14171	0.6283	
55 2-Nitroaniline	65	9.725	9.729	-0.004	4378	0.1055	
71 Diphenylamine	169	9.807	9.811	-0.004	10373	0.0918	
72 N-Nitrosodiphenylamine	169	9.807	9.811	-0.004	10373	0.0918	
73 1,2-Diphenylhydrazine	77	9.840	9.845	-0.005	22673	0.0940	
74 Azobenzene	77	9.840	9.845	-0.005	22673	0.0940	
13 Benzophenone	105	9.850	9.854	-0.004	12796	0.0974	
75 4-Bromophenyl phenyl ether	248	10.114	10.119	-0.005	2875	0.0929	
76 Hexachlorobenzene	284	10.177	10.176	0.001	3307	0.1152	
77 Atrazine	200	10.244	10.248	-0.004	2897	0.1067	
79 Pentachloronitrobenzene	237	10.350	10.349	0.001	1519	0.0961	
80 Phenanthrene	178	10.513	10.518	-0.005	18420	0.1092	
81 Anthracene	178	10.557	10.556	0.001	14871	0.0932	
83 Carbazole	167	10.691	10.691	0.000	14239	0.1028	
84 Di-n-butyl phthalate	149	10.961	10.965	-0.004	22562	0.1080	
87 Fluoranthene	202	11.504	11.504	0.000	14584	0.0991	

Report Date: 06-Oct-2009 17:01:02 Chrom Revision: 1.1 01-Oct-2009 08:19:20
Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	11.605	11.615	-0.010	2609	0.0824	
85 Pyrene	202	11.696	11.696	0.000	13394	0.1165	
89 Butyl benzyl phthalate	149	12.240	12.244	-0.004	6925	0.1139	
91 3,3'-Dichlorobenzidine	252	12.846	12.850	-0.004	1587	0.0753	M
93 Benzo[a]anthracene	228	12.889	12.888	0.001	7970	0.1059	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	18305	0.1390	
94 Chrysene	228	12.932	12.937	-0.005	8595	0.1198	
95 Di-n-octyl phthalate	149	13.971	13.970	0.001	9356	0.1687	
97 Benzo[b]fluoranthene	252	14.707	14.716	-0.009	6466	0.1055	M
98 Benzo[k]fluoranthene	252	14.769	14.774	-0.005	6035	0.1108	M
99 Benzo[a]pyrene	252	15.337	15.346	-0.009	5578	0.1170	M
100 Indeno[1,2,3-cd]pyrene	276	16.818	16.827	-0.009	4059	0.0900	
101 Dibenz(a,h)anthracene	278	16.866	16.861	0.005	4377	0.1153	
102 Benzo[g,h,i]perylene	276	17.198	17.202	-0.004	4664	0.1163	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 06-Oct-2009 17:01:02 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D

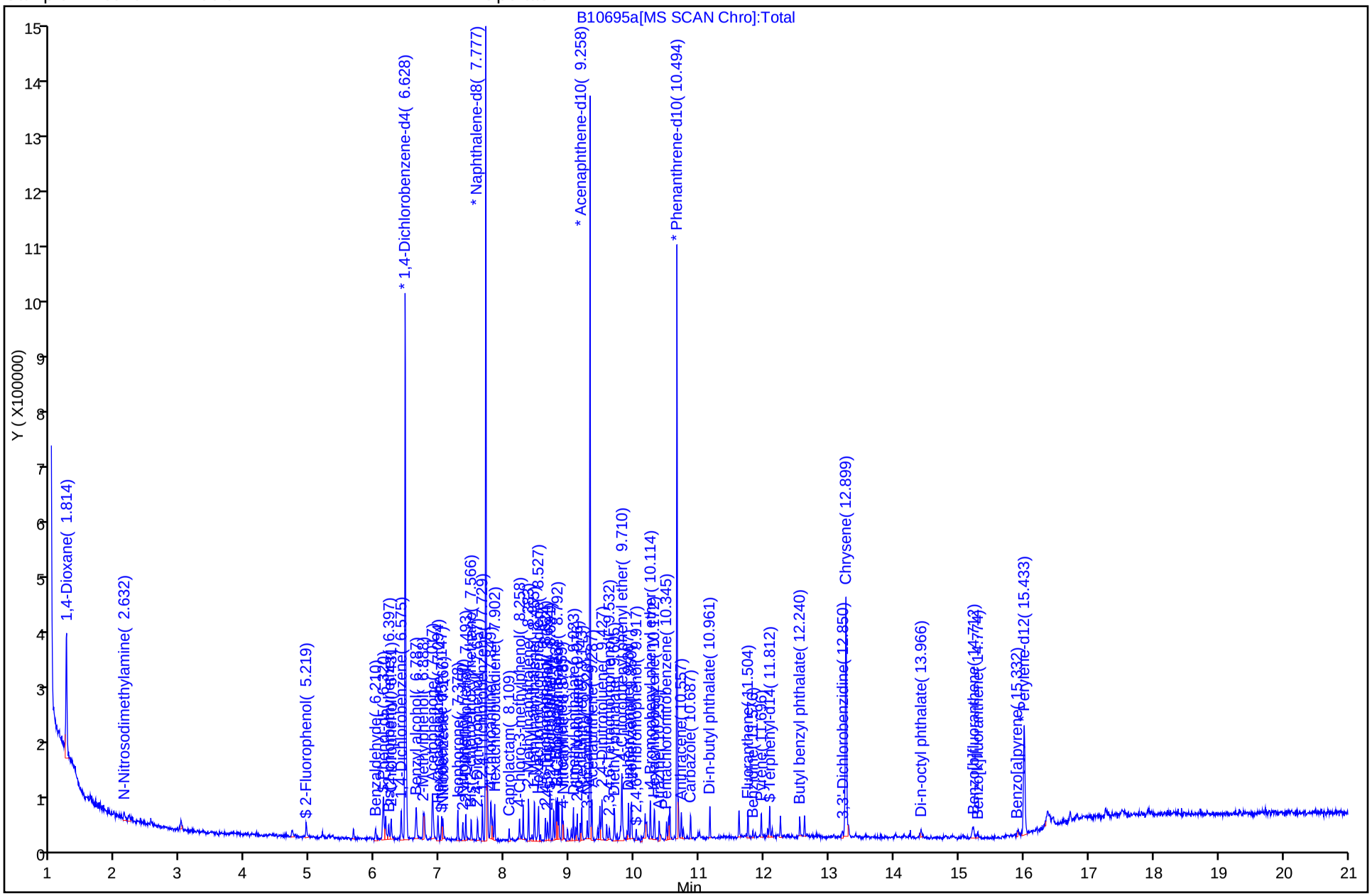
Inj Date: 03-Oct-2009 17:19:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: 0.1 ppm

Sample Amount: 1.00 ul Operator: MZ

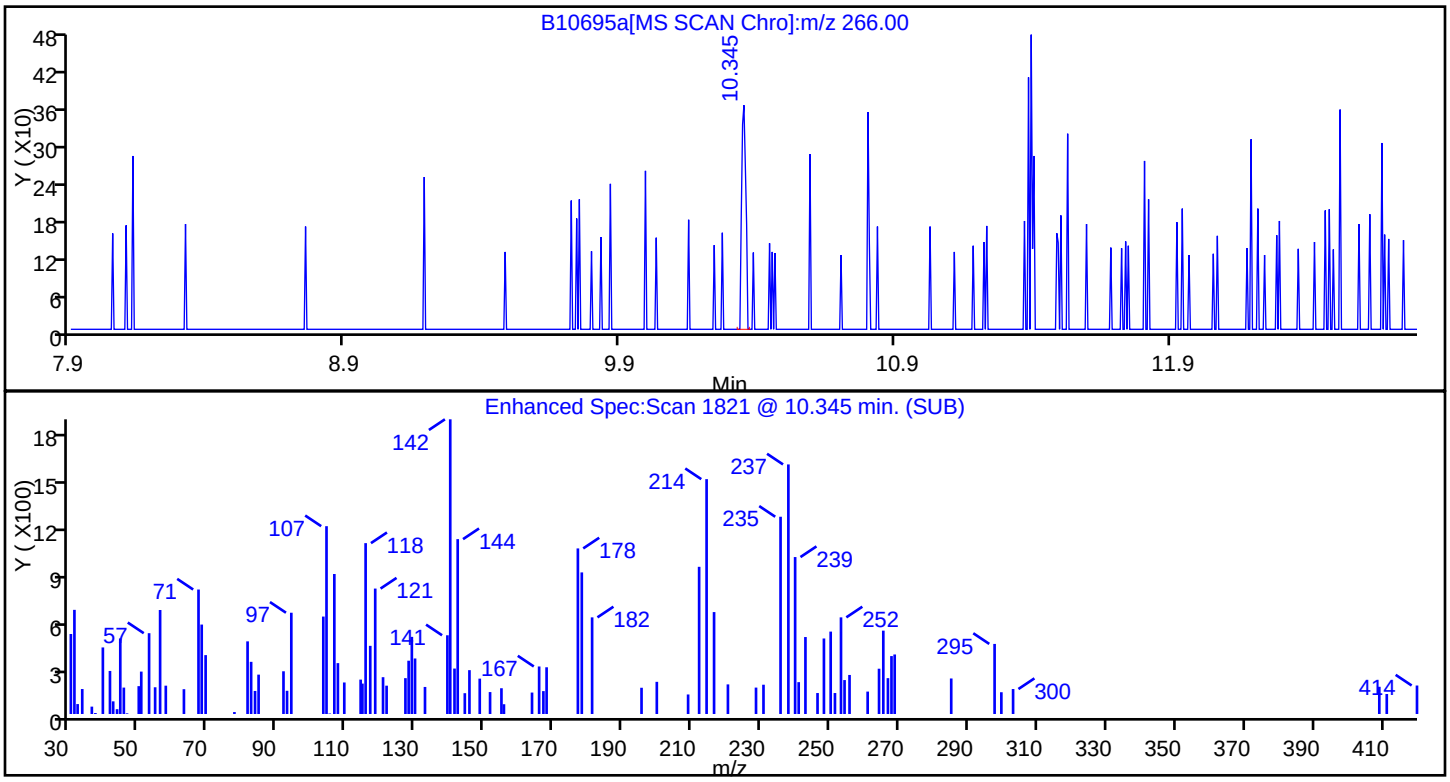


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.35	266.00	378	0.307789
10.34	264.00	332	
10.35	268.00	218	

Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

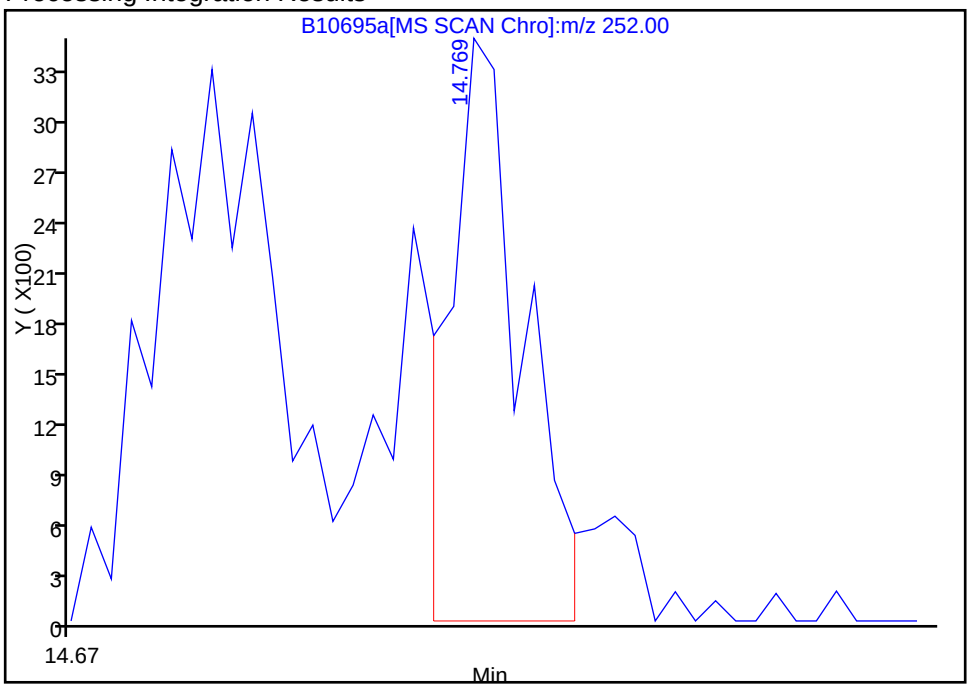
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 14.77

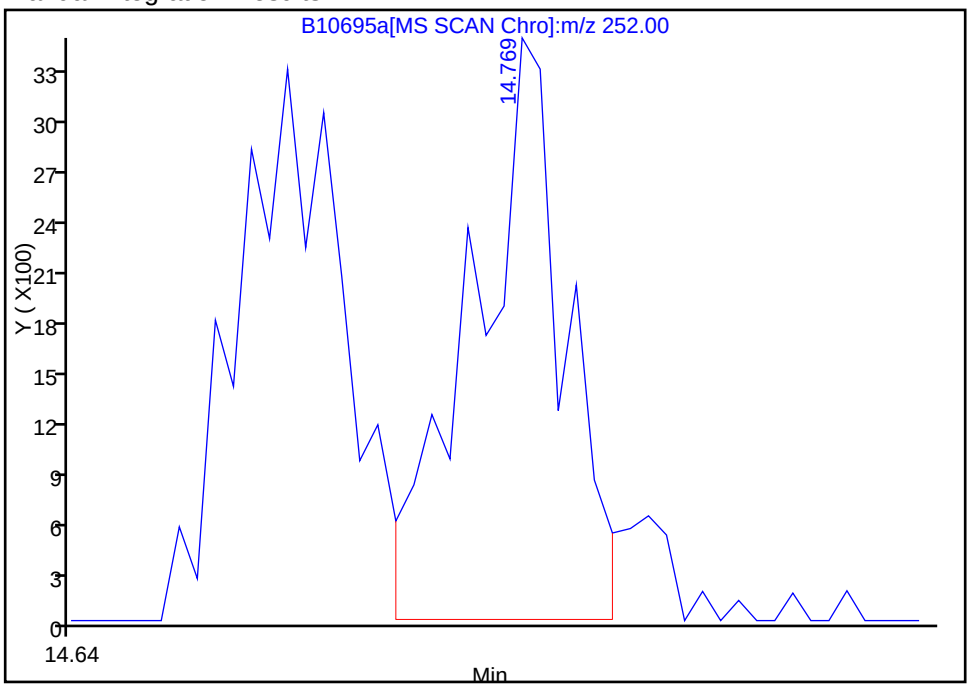
Processing Integration Results

RT: 14.77
Response: 4338
Amount: 0.082477



Manual Integration Results

RT: 14.77
Response: 6035
Amount: 0.110771



Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

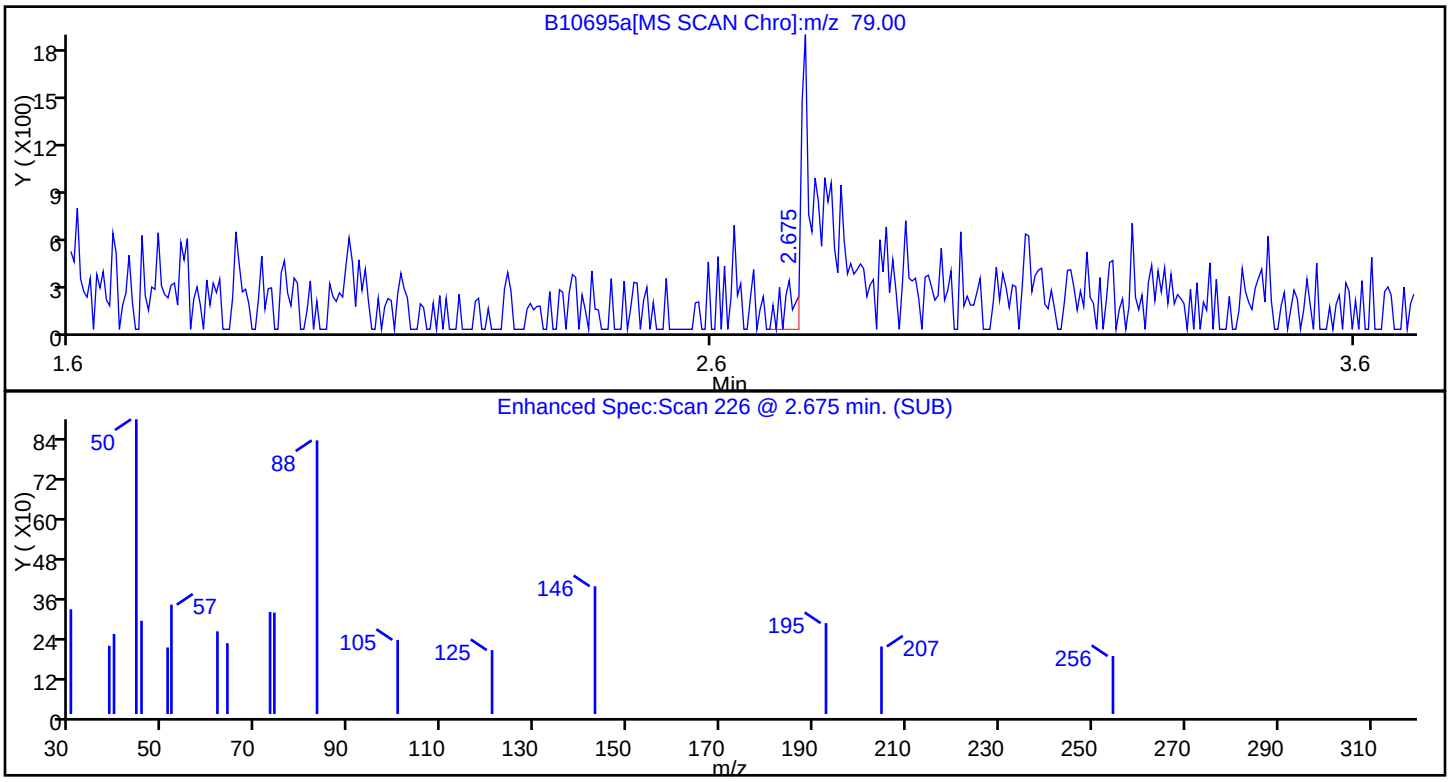
Chrom Revision: 1.1 01-Oct-2009 08:19:20

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
2.68	79.00	416	0.100414
2.67	52.00	449	
2.69	51.00	3017	

Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

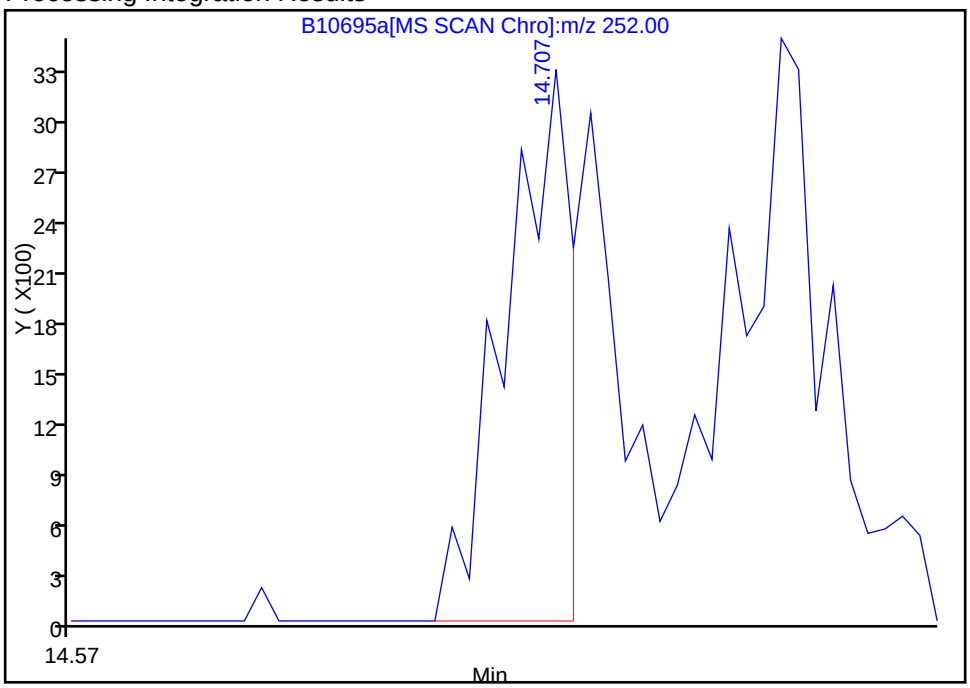
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 14.72

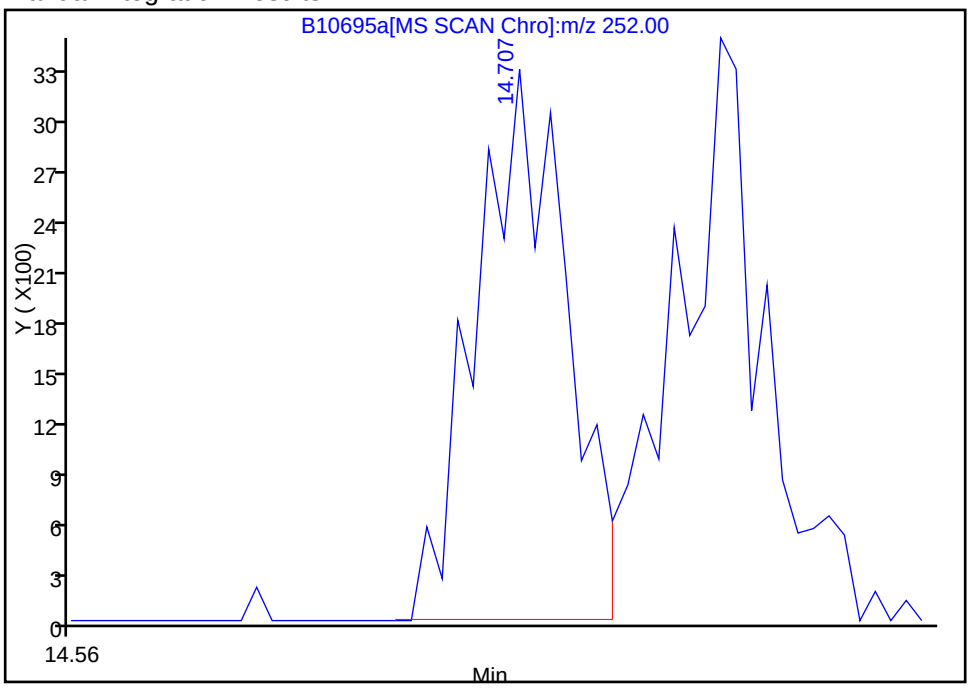
Processing Integration Results

RT: 14.71
Response: 4236
Amount: 0.072006



Manual Integration Results

RT: 14.71
Response: 6466
Amount: 0.105471



Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

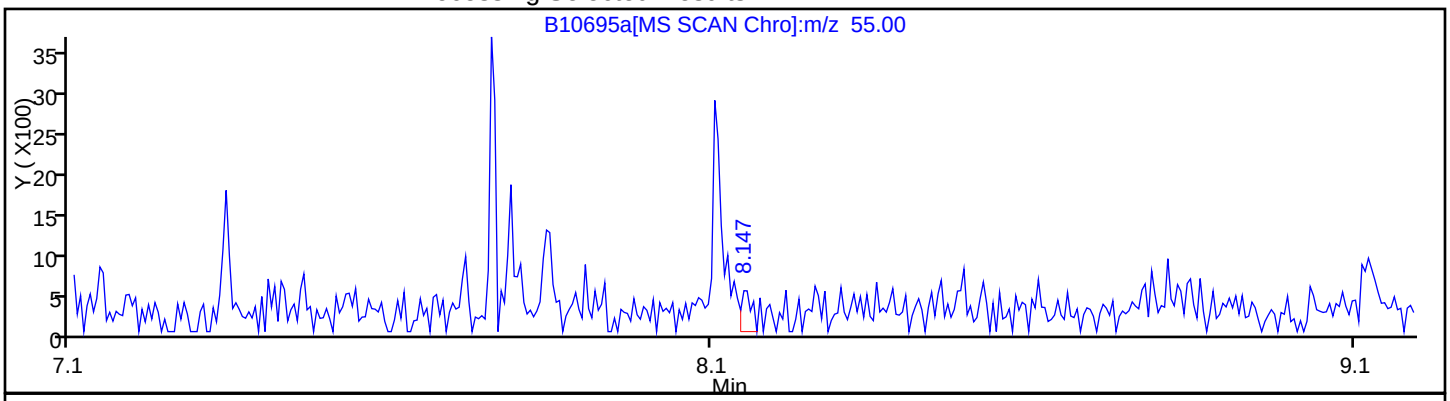
Chrom Revision: 1.1 01-Oct-2009 08:19:20

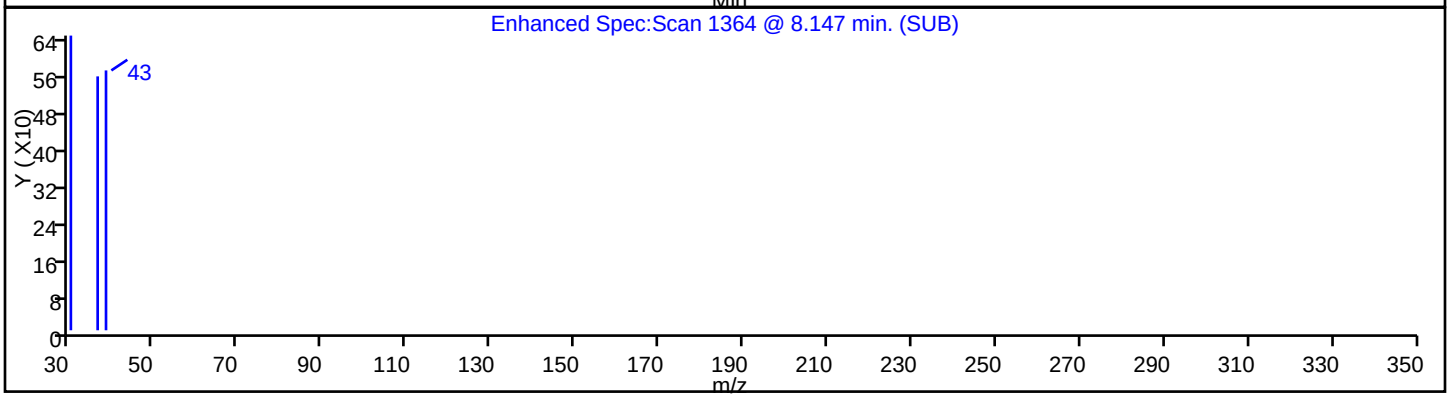
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

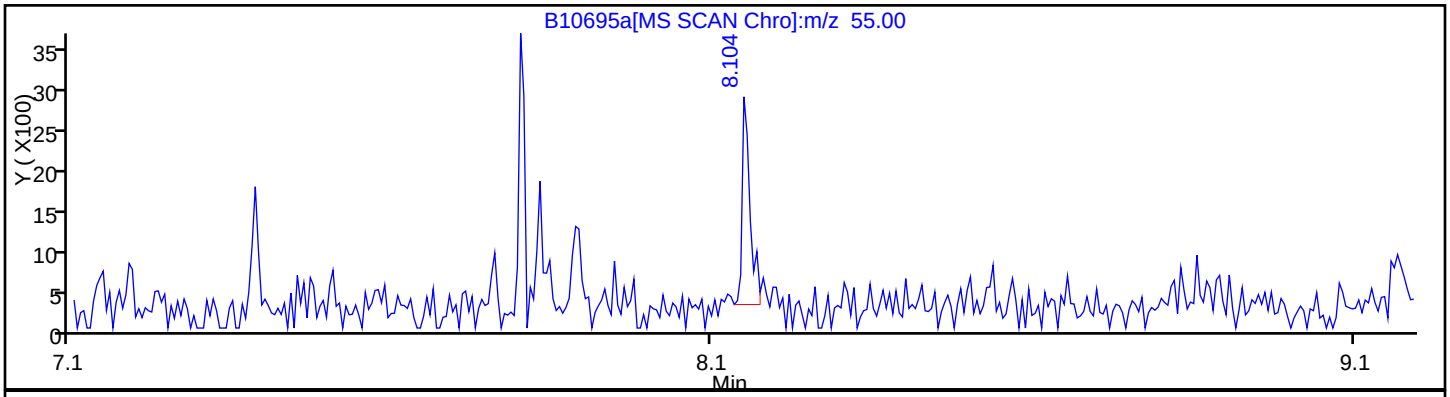
44 Caprolactam

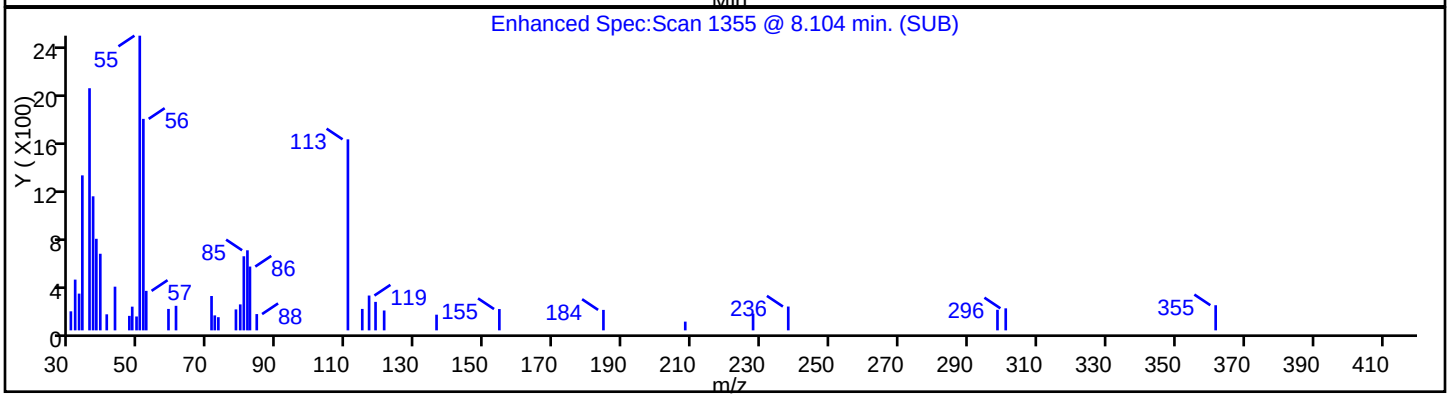
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 06-Oct-2009 16:51:51

Audit Action: Selected Alternate Hit

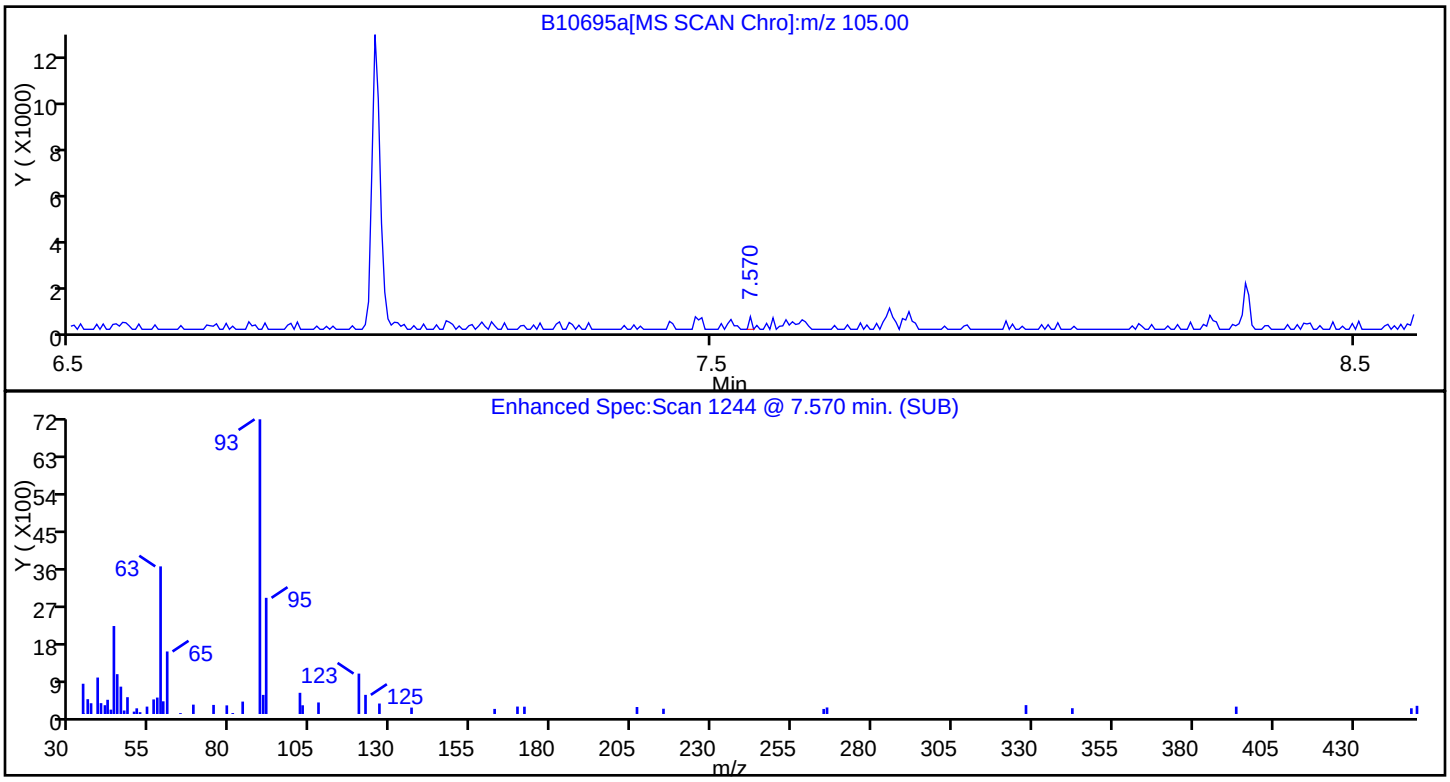
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.57	105.00	149	0.840521
7.59	122.00	333	
7.58	77.00	169	

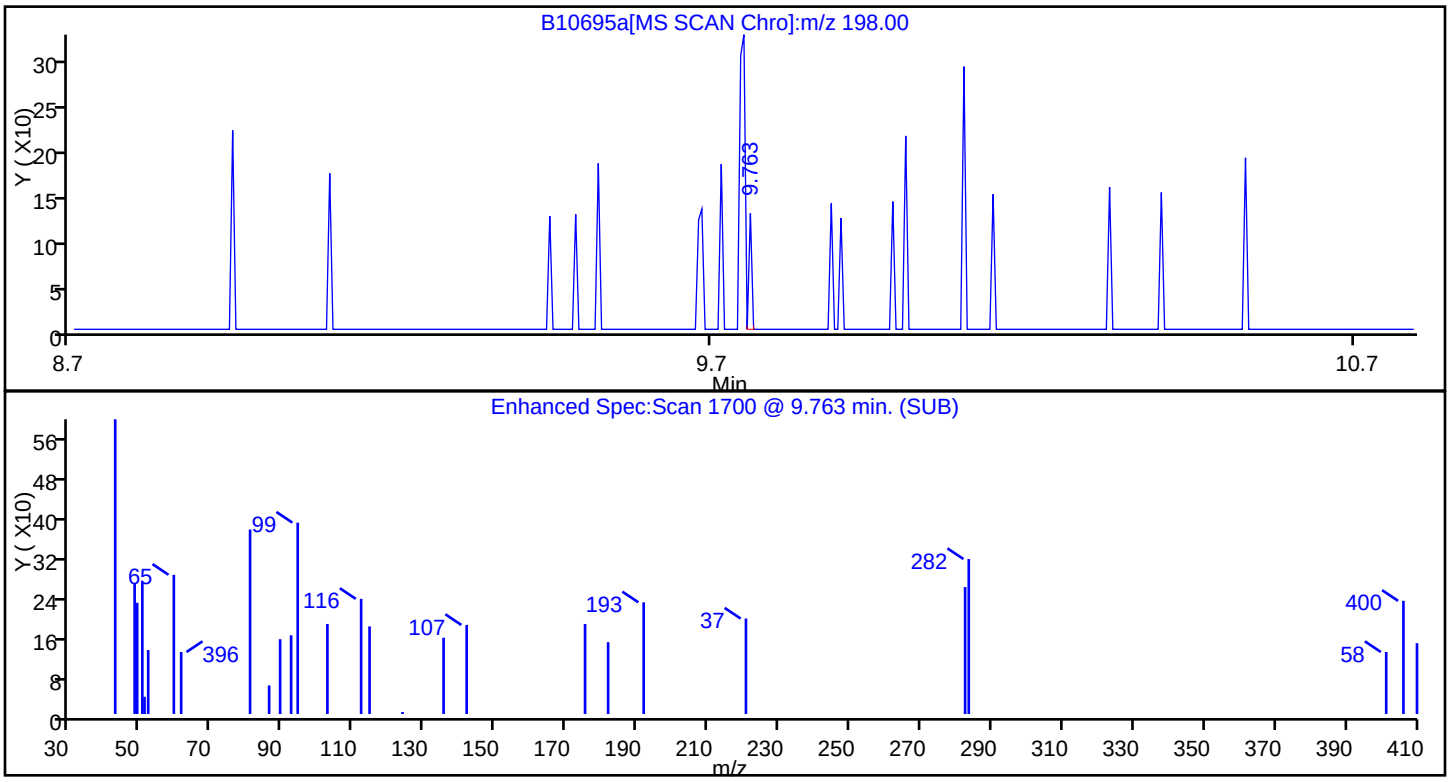
Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
9.76	198.00	37	0.721482
9.78	121.00	182	
9.77	105.00	160	

Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

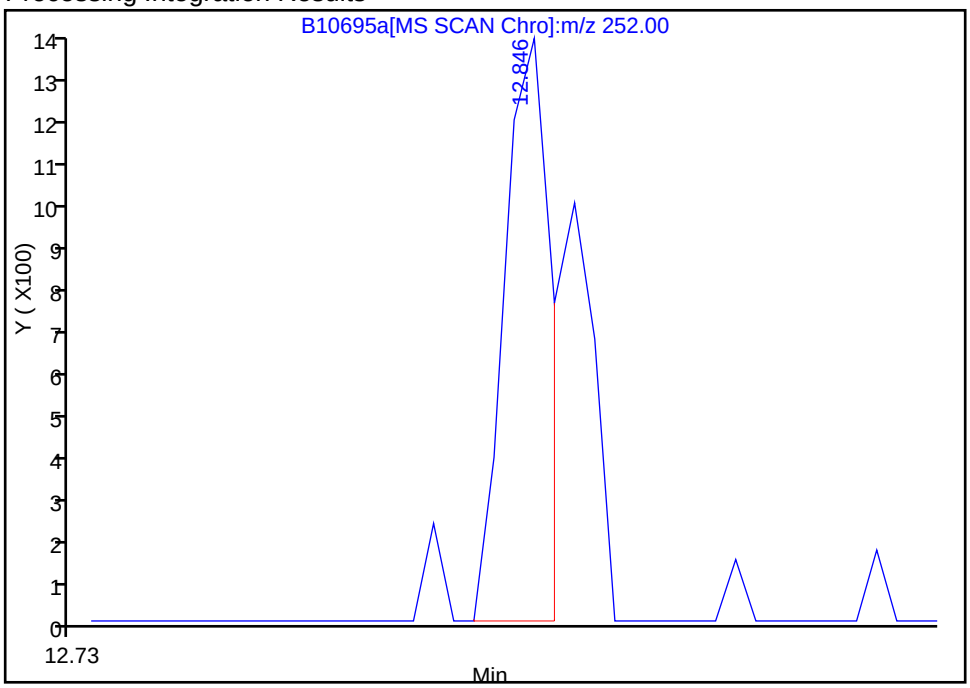
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 12.85

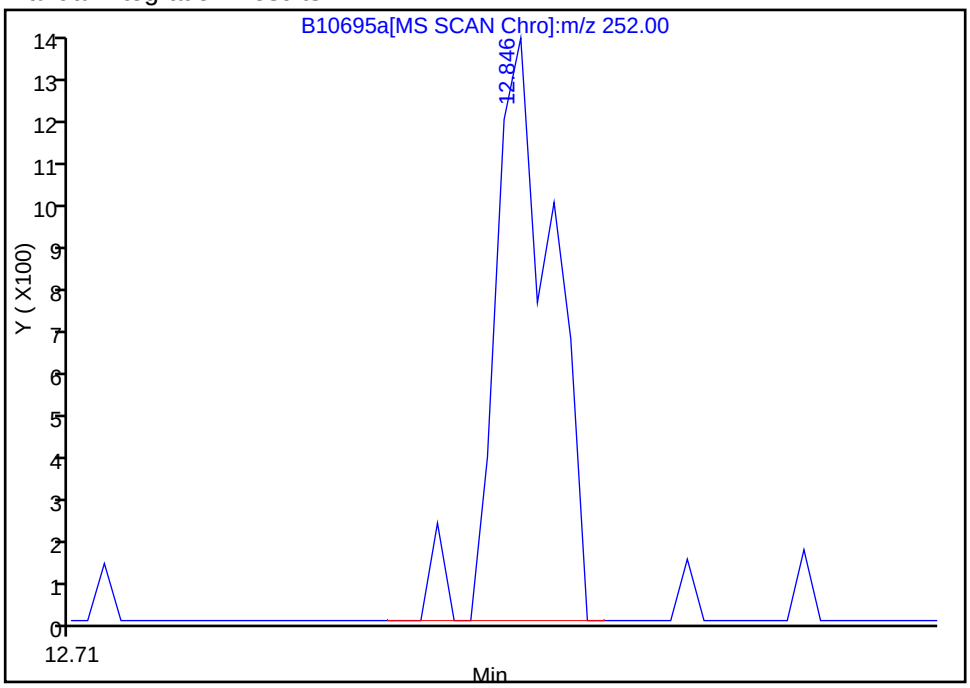
Processing Integration Results

RT: 12.85
Response: 1051
Amount: 0.093728



Manual Integration Results

RT: 12.85
Response: 1587
Amount: 0.075251



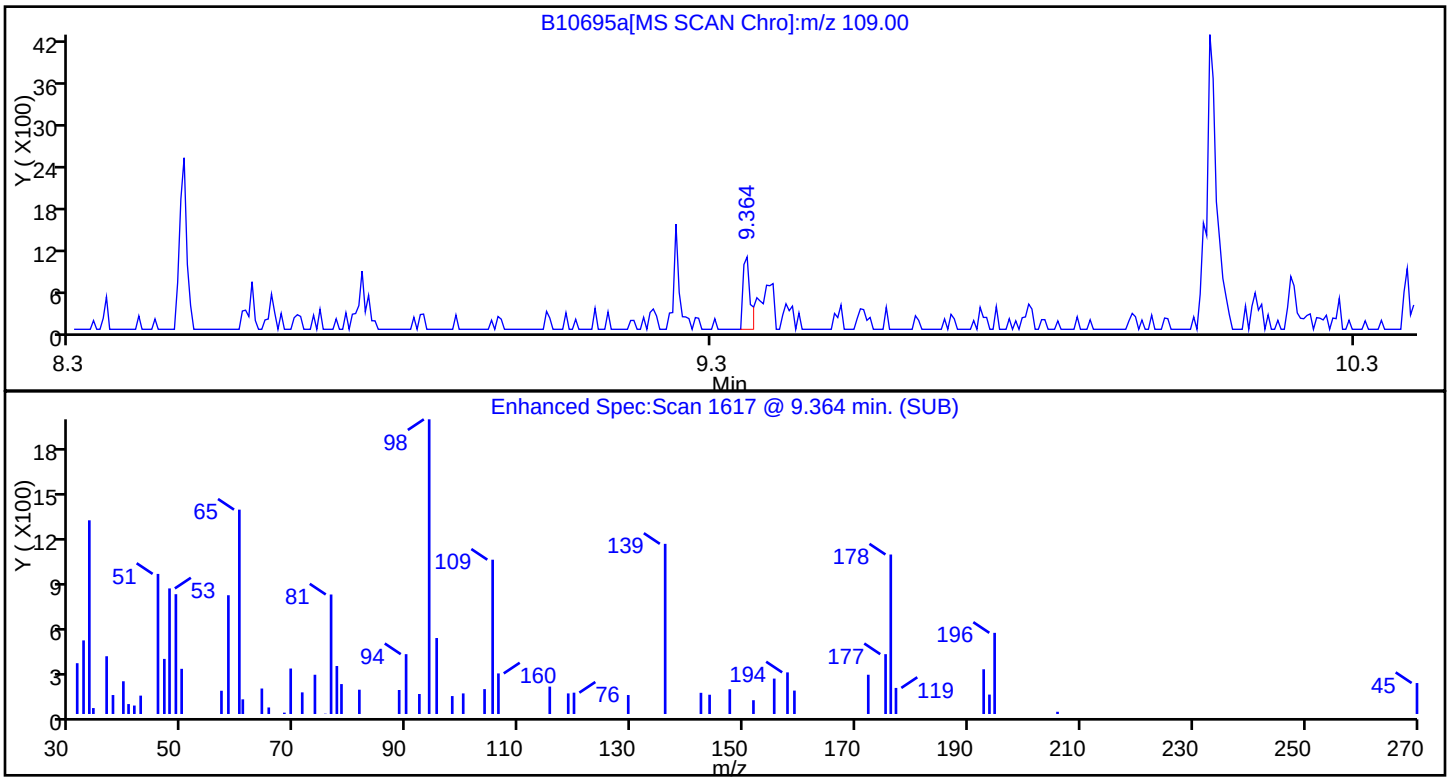
Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
9.36	109.00	764	0.155755
9.36	139.00	1343	
9.36	64.00	46	

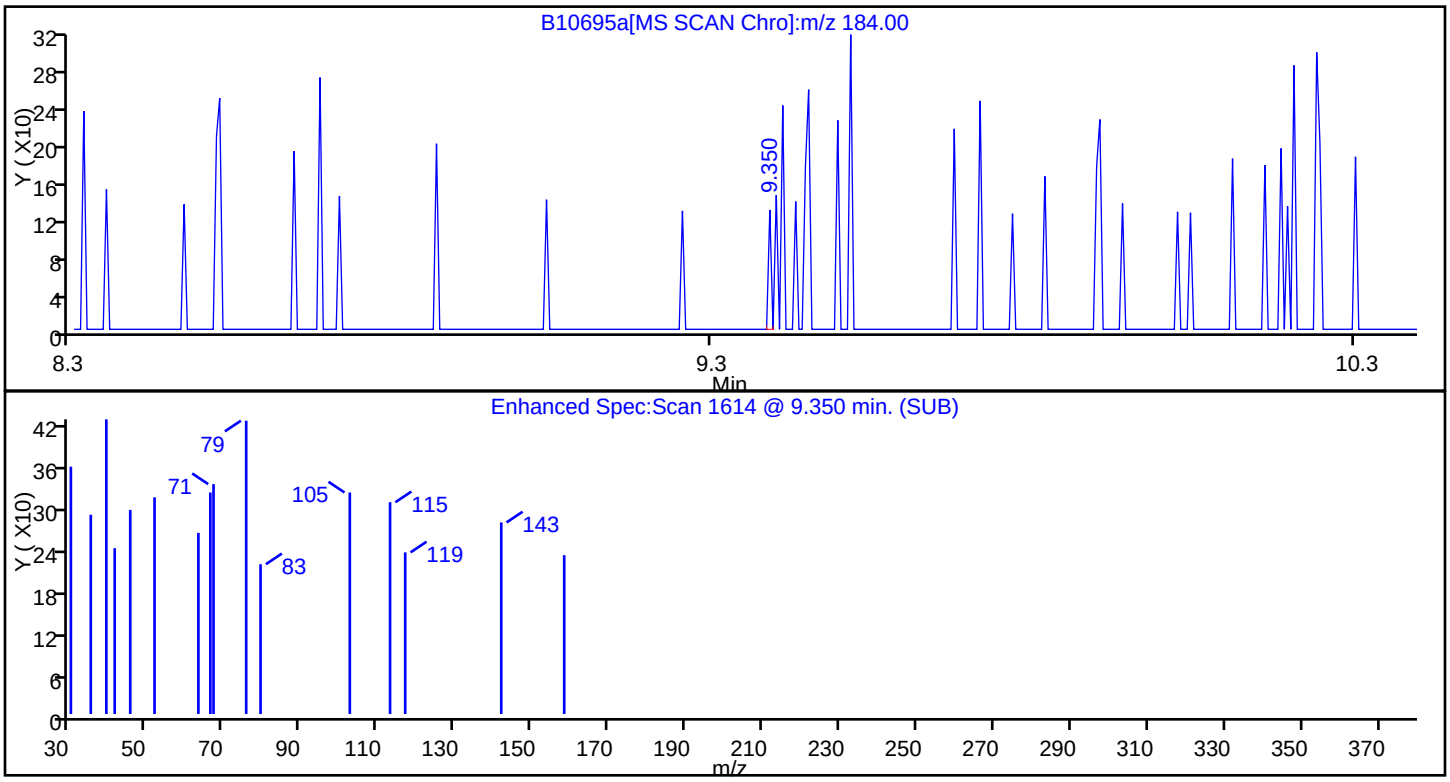
Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.35	184.00	37	0.541503
9.36	63.00	586	
9.37	154.00	134	

Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Marked Compound Undetected
Audit Reason:

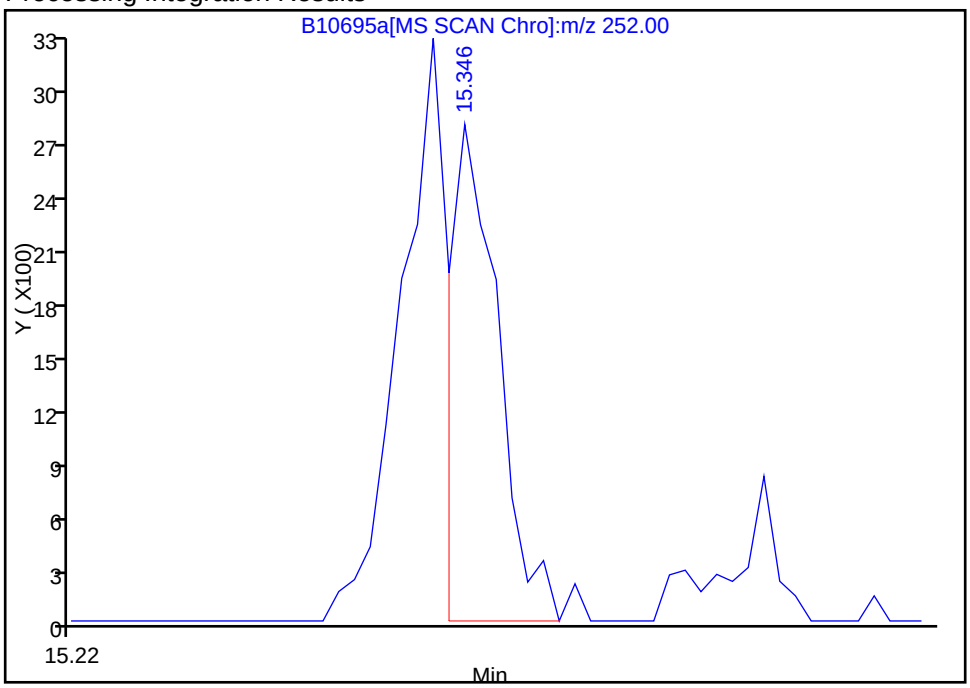
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10695a.D		
Inj Date:	03-Oct-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 15.35

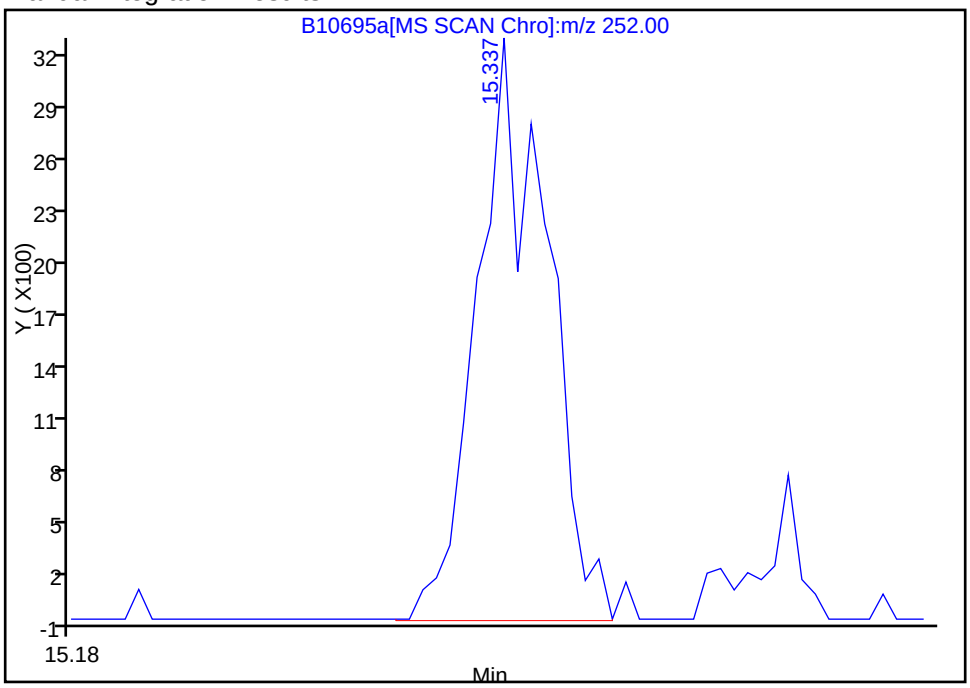
Processing Integration Results

RT: 15.35
Response: 2881
Amount: 0.100600



Manual Integration Results

RT: 15.34
Response: 5578
Amount: 0.117040



Reviewer: sullivanp, 06-Oct-2009 16:51:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Lims ID:	std025	Client ID:	
Inject. Date:	03-Oct-2009 17:47:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49824	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:36:47
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:13

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.629	6.632	-0.003	189066	2.00	
* 2 Naphthalene-d8	136	7.774	7.777	-0.003	442558	2.00	
* 3 Acenaphthene-d10	164	9.260	9.263	-0.003	191738	2.00	
* 4 Phenanthrene-d10	188	10.496	10.499	-0.003	292652	2.00	
* 5 Chrysene-d12	240	12.900	12.903	-0.003	187988	2.00	
* 6 Perylene-d12	264	15.434	15.432	0.002	143769	2.00	
$ 7 2-Fluorophenol	112	5.216	5.218	-0.002	14174	0.2458	
$ 8 Phenol-d5	99	6.307	6.310	-0.003	19071	0.2378	
$ 9 Nitrobenzene-d5	82	7.149	7.147	0.002	19841	0.2267	
$ 10 2-Fluorobiphenyl	172	8.692	8.690	0.002	37441	0.2474	
$ 11 2,4,6-Tribromophenol	330	9.914	9.917	-0.003	2857	0.2464	
$ 12 Terphenyl-d14	244	11.813	11.816	-0.003	21634	0.2549	
14 1,4-Dioxane	88	2.143	2.155	-0.012	7146	0.2878	
16 Pyridine	79	2.638	2.607	0.031	9660	0.3196	
15 N-Nitrosodimethylamine	42	2.619	2.622	-0.003	14168	0.2474	
17 Benzaldehyde	105	6.206	6.209	-0.003	7358	0.2481	
19 Aniline	93	6.317	6.320	-0.003	24508	0.2431	
18 Phenol	94	6.317	6.320	-0.003	20141	0.2159	
20 Bis(2-chloroethyl)ether	93	6.394	6.397	-0.003	15647	0.2441	
21 2-Chlorophenol	128	6.427	6.430	-0.003	18029	0.2487	
22 1,4-Dichlorobenzene	146	6.572	6.575	-0.003	19315	0.2291	
23 1,3-Dichlorobenzene	146	6.644	6.647	-0.003	23135	0.2597	
24 Benzyl alcohol	79	6.774	6.777	-0.002	12123	0.2719	
25 1,2-Dichlorobenzene	146	6.788	6.786	0.002	20780	0.2573	
26 2-Methylphenol	108	6.884	6.887	-0.003	16760	0.2618	
27 2,2'-oxybis[1-chloropropane]	45	6.899	6.906	-0.007	31590	0.2584	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.014	7.017	-0.003	23193	0.2403	
29 N-Nitrosodi-n-propylamine	70	7.019	7.022	-0.003	12283	0.2318	
28 3 & 4 Methylphenol	108	7.028	7.031	-0.003	15347	0.2296	
31 Hexachloroethane	117	7.091	7.094	-0.003	9177	0.2608	
32 Nitrobenzene	77	7.163	7.166	-0.003	20859	0.2366	
33 Isophorone	82	7.380	7.378	0.002	31660	0.2275	
34 2-Nitrophenol	139	7.447	7.450	-0.003	7410	0.2006	
35 2,4-Dimethylphenol	107	7.490	7.493	-0.003	17998	0.2396	
37 Bis(2-chloroethoxy)methane	93	7.567	7.570	-0.003	19133	0.2470	
38 2,4-Dichlorophenol	162	7.658	7.661	-0.003	13605	0.2341	
39 1,2,4-Trichlorobenzene	180	7.726	7.729	-0.003	17009	0.2517	
41 Naphthalene	128	7.793	7.796	-0.003	54107	0.2505	
40 Alpha-Terpineol	59	7.803	7.806	-0.003	16266	0.2298	
42 4-Chloroaniline	127	7.846	7.844	0.002	19655	0.2220	
43 Hexachlorobutadiene	225	7.904	7.902	0.002	8474	0.2167	
44 Caprolactam	55	8.106	8.133	-0.027	6338	0.2382	
45 4-Chloro-3-methylphenol	107	8.255	8.258	-0.003	15450	0.2425	
46 2-Methylnaphthalene	142	8.385	8.387	-0.002	35623	0.2543	
47 1-Methylnaphthalene	142	8.466	8.469	-0.003	35057	0.2550	
48 Hexachlorocyclopentadiene	237	8.519	8.517	0.002	3704	0.6473	
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.527	0.002	13744	0.2482	
50 2,4,6-Trichlorophenol	196	8.625	8.628	-0.003	9064	0.2485	
51 2,4,5-Trichlorophenol	196	8.654	8.657	-0.003	9053	0.2430	
52 1,1'-Biphenyl	154	8.774	8.777	-0.003	39389	0.2487	
53 2-Chloronaphthalene	162	8.793	8.796	-0.003	36464	0.2446	
54 Phenyl ether	170	8.861	8.864	-0.003	22743	0.2597	
68 4-Nitroaniline	138	8.880	8.883	-0.003	9208	0.2196	
56 Dimethyl phthalate	163	9.024	9.027	-0.003	33899	0.2413	
57 2,6-Dinitrotoluene	165	9.077	9.080	-0.003	6989	0.2217	
58 Acenaphthylene	152	9.140	9.142	-0.002	45934	0.2409	
59 3-Nitroaniline	138	9.216	9.219	-0.003	7779	0.2398	
61 Acenaphthene	153	9.284	9.287	-0.003	31398	0.2428	
62 4-Nitrophenol	109	9.361	9.359	0.002	3200	0.3276	
63 2,4-Dinitrotoluene	165	9.414	9.417	-0.003	8111	0.2635	
64 Dibenzofuran	168	9.428	9.431	-0.003	41546	0.2529	
65 2,3,4,6-Tetrachlorophenol	232	9.534	9.532	0.002	3972	0.2282	
66 Diethyl phthalate	149	9.606	9.609	-0.003	35803	0.2495	
67 4-Chlorophenyl phenyl ether	204	9.707	9.710	-0.003	15636	0.2399	
69 Fluorene	166	9.712	9.715	-0.003	31776	0.7283	
55 2-Nitroaniline	65	9.726	9.729	-0.003	8057	0.2044	
71 Diphenylamine	169	9.808	9.811	-0.003	28275	0.2440	
72 N-Nitrosodiphenylamine	169	9.808	9.811	-0.003	28275	0.2440	
73 1,2-Diphenylhydrazine	77	9.842	9.845	-0.003	57851	0.2339	
74 Azobenzene	77	9.842	9.845	-0.003	57851	0.2339	
13 Benzophenone	105	9.851	9.854	-0.003	31578	0.2344	
75 4-Bromophenyl phenyl ether	248	10.116	10.119	-0.003	7924	0.2495	
76 Hexachlorobenzene	284	10.173	10.176	-0.003	7150	0.2428	
77 Atrazine	200	10.241	10.248	-0.007	5909	0.2122	
79 Pentachloronitrobenzene	237	10.347	10.349	-0.002	3690	0.2277	
80 Phenanthrene	178	10.515	10.518	-0.003	43725	0.2526	
81 Anthracene	178	10.558	10.556	0.002	37624	0.2300	
83 Carbazole	167	10.688	10.691	-0.003	33489	0.2358	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.962	10.965	-0.003	52096	0.2431	
87 Fluoranthene	202	11.505	11.504	0.001	36055	0.2389	
86 Benzidine	184	11.606	11.615	-0.009	7223	0.2226	
85 Pyrene	202	11.693	11.696	-0.003	38080	0.2678	
89 Butyl benzyl phthalate	149	12.241	12.244	-0.003	18987	0.2526	
91 3,3'-Dichlorobenzidine	252	12.847	12.850	-0.003	6727	0.2580	
93 Benzo[a]anthracene	228	12.886	12.888	-0.002	23888	0.2568	
92 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	30334	0.2090	
94 Chrysene	228	12.929	12.937	-0.008	25556	0.2881	
95 Di-n-octyl phthalate	149	13.963	13.970	-0.007	25334	0.2272	
97 Benzo[b]fluoranthene	252	14.708	14.716	-0.008	22830	0.2505	
98 Benzo[k]fluoranthene	252	14.766	14.774	-0.008	18161	0.2242	M
99 Benzo[a]pyrene	252	15.343	15.346	-0.003	15696	0.2215	
100 Indeno[1,2,3-cd]pyrene	276	16.829	16.827	0.002	15780	0.2353	
101 Dibenz(a,h)anthracene	278	16.862	16.861	0.001	13590	0.2408	
102 Benzo[g,h,i]perylene	276	17.204	17.202	0.002	16158	0.2710	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 06-Oct-2009 17:01:13 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D

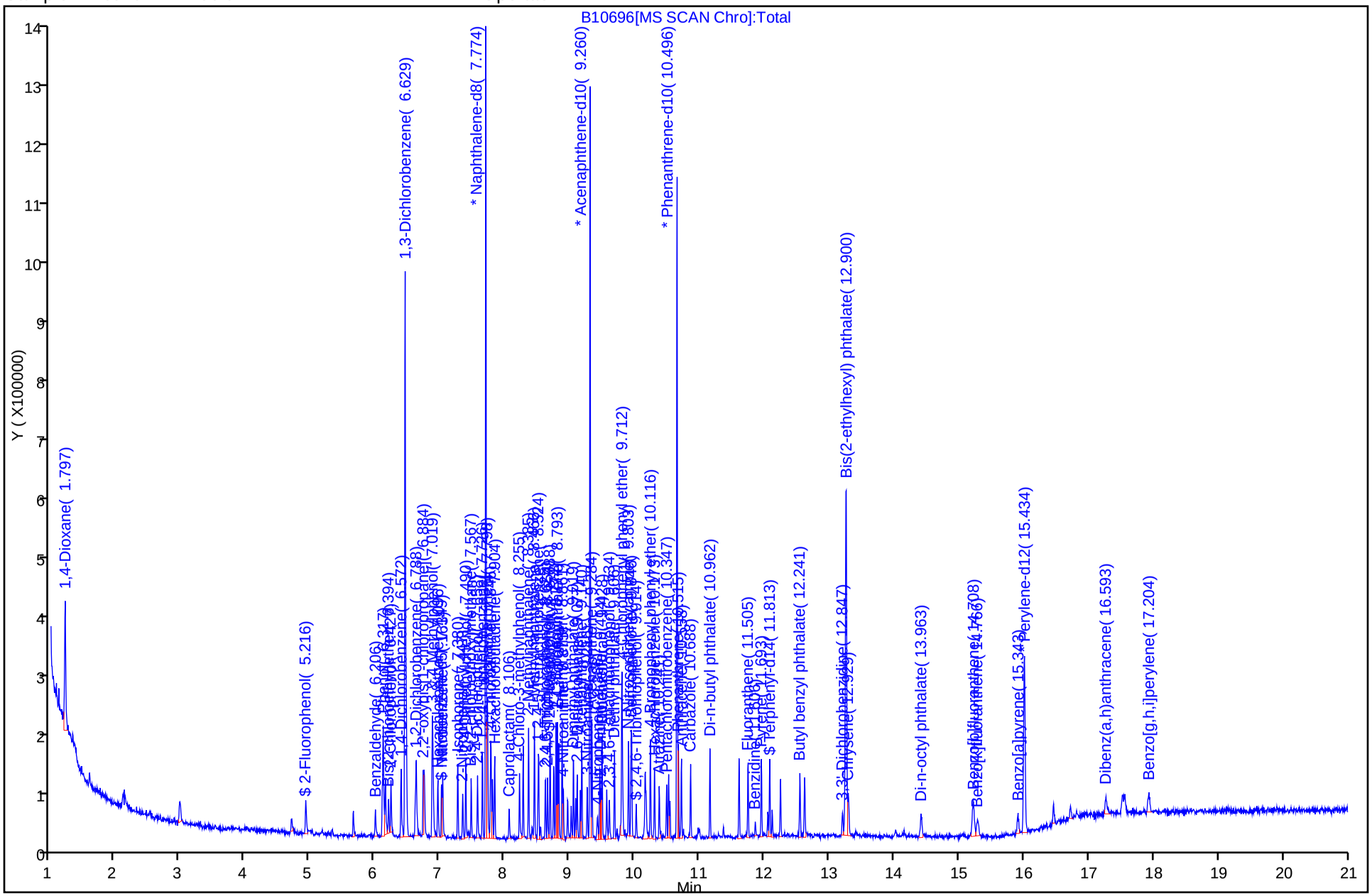
Inj Date: 03-Oct-2009 17:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: 0.25 ppm

Sample Amount: 1.00 ul Operator: MZ

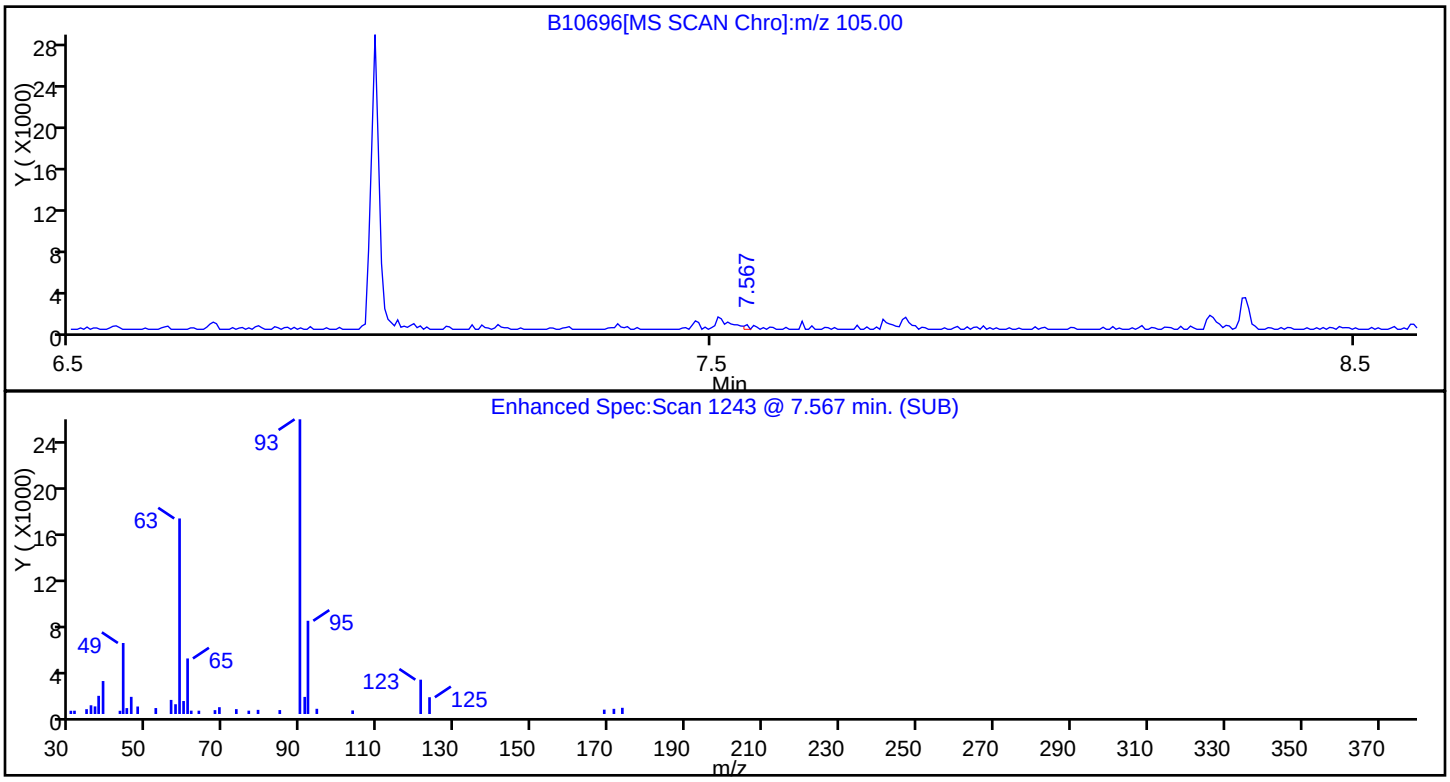


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.57	105.00	217	0.250000
7.57	122.00	119	
7.56	77.00	570	

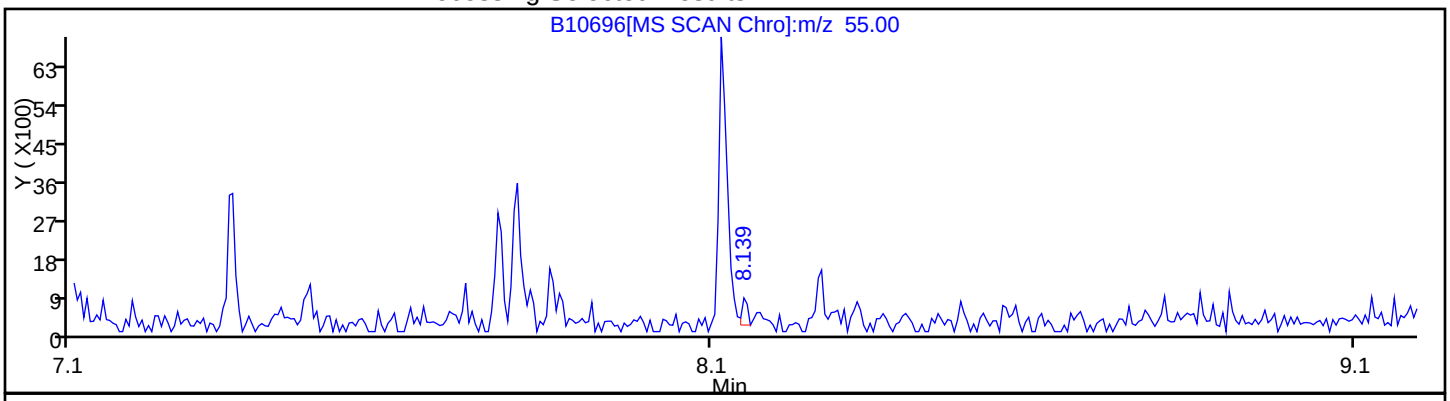
Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Marked Compound Undetected
Audit Reason:

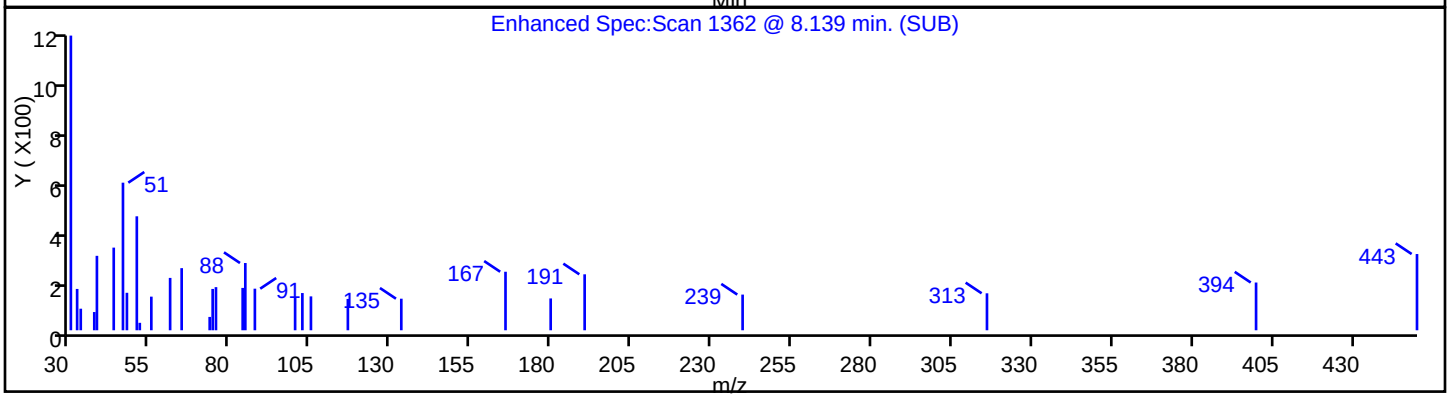
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

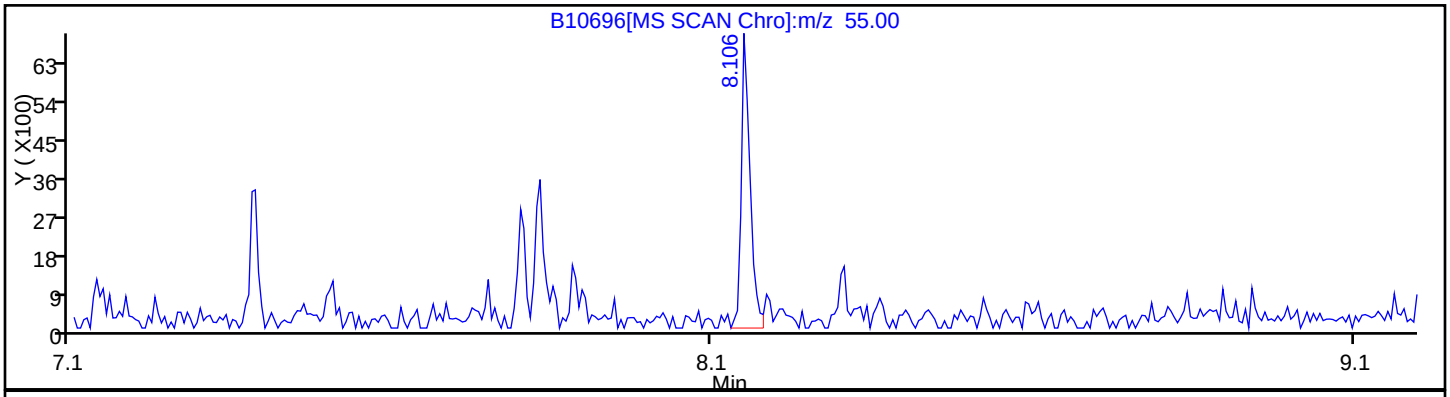
44 Caprolactam

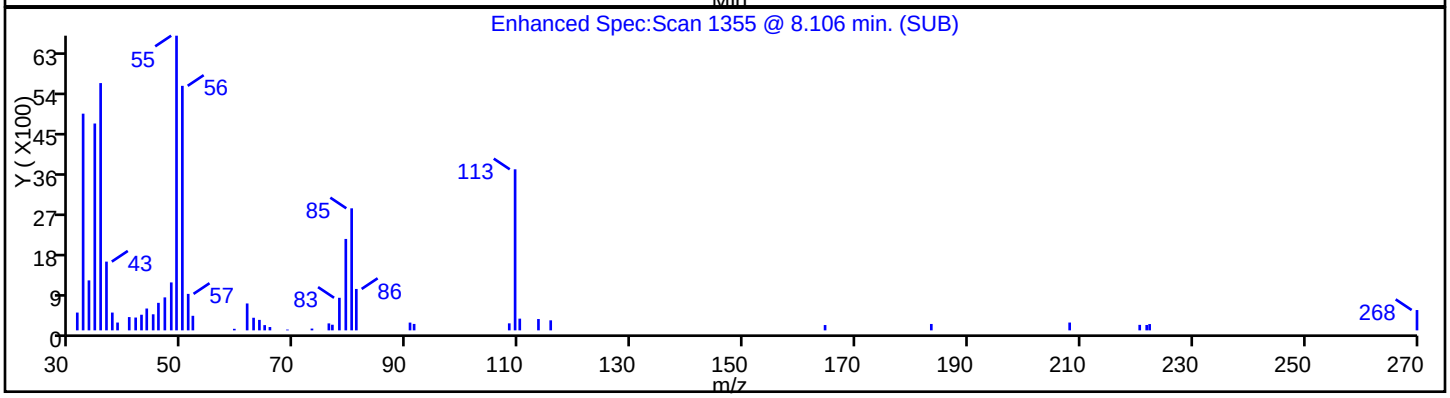
Processing Selected Results





Manual Selected Results





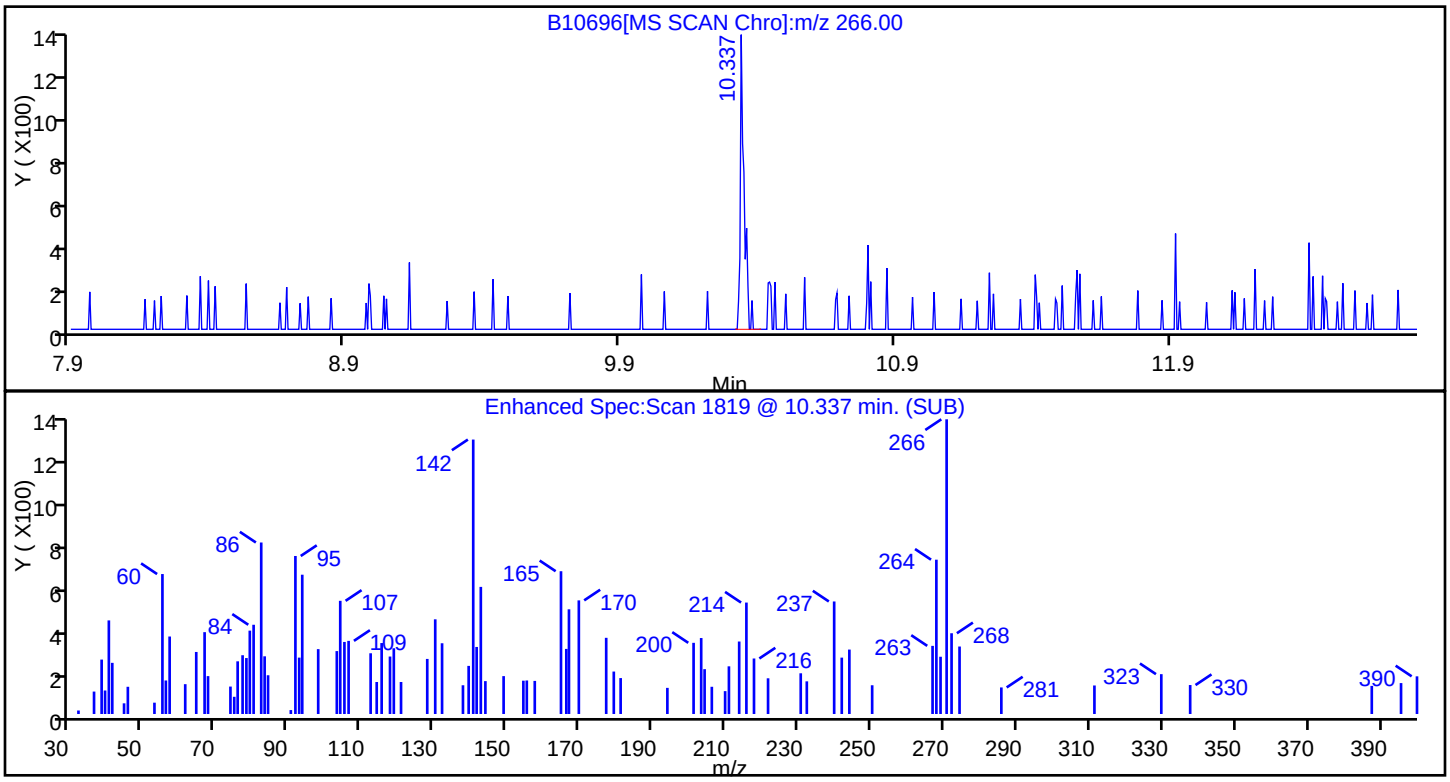
Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.34	266.00	1299	0.250000
10.34	264.00	764	
10.34	268.00	711	

Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Marked Compound Undetected
Audit Reason:

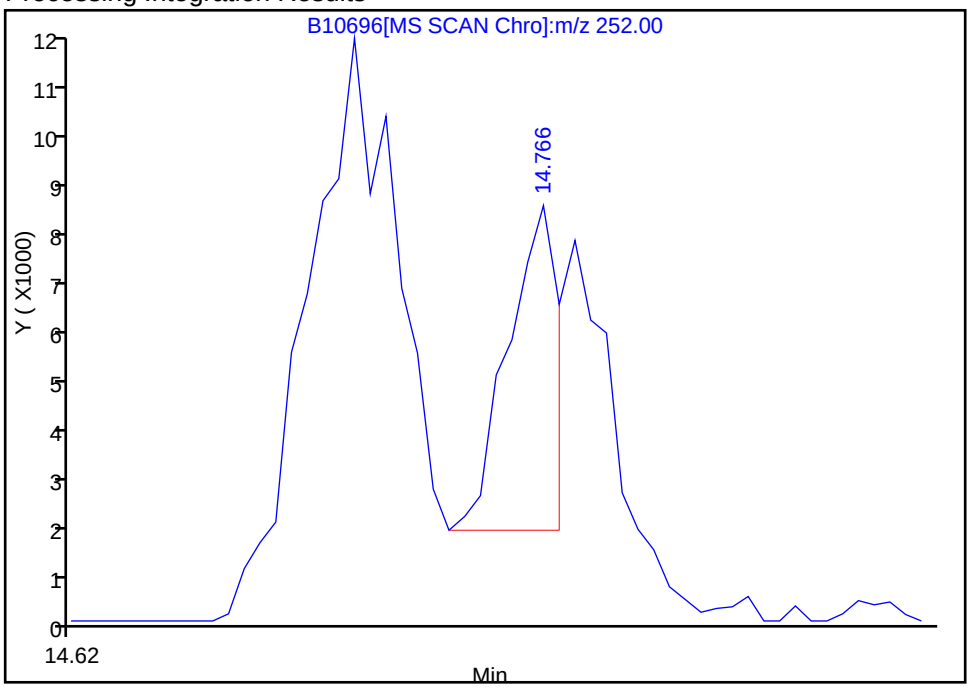
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 14.77

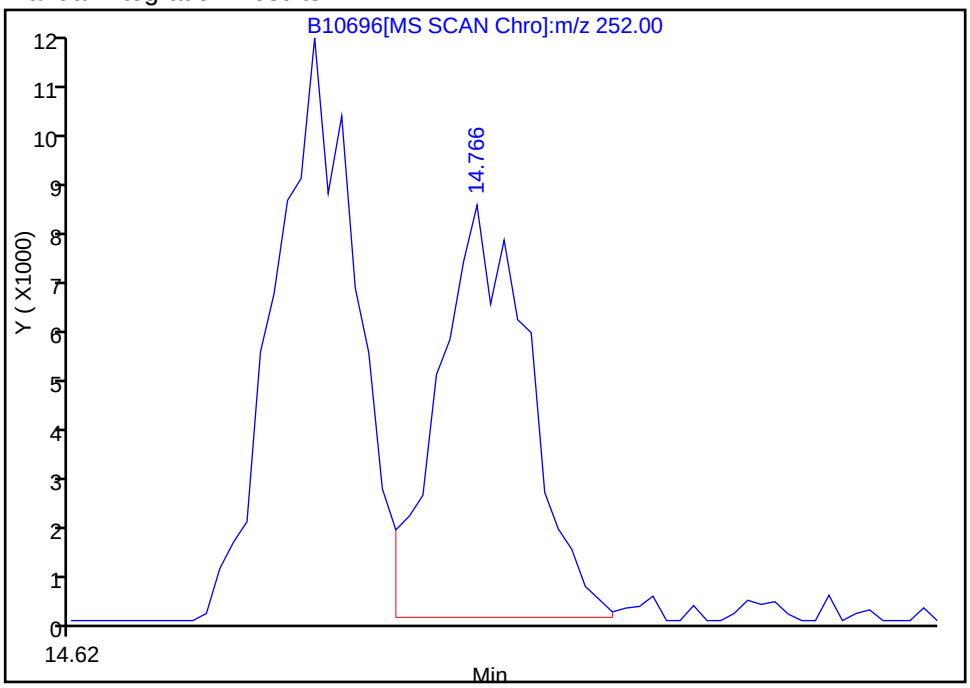
Processing Integration Results

RT: 14.77
Response: 6866
Amount: 0.159957



Manual Integration Results

RT: 14.77
Response: 18161
Amount: 0.224193



Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

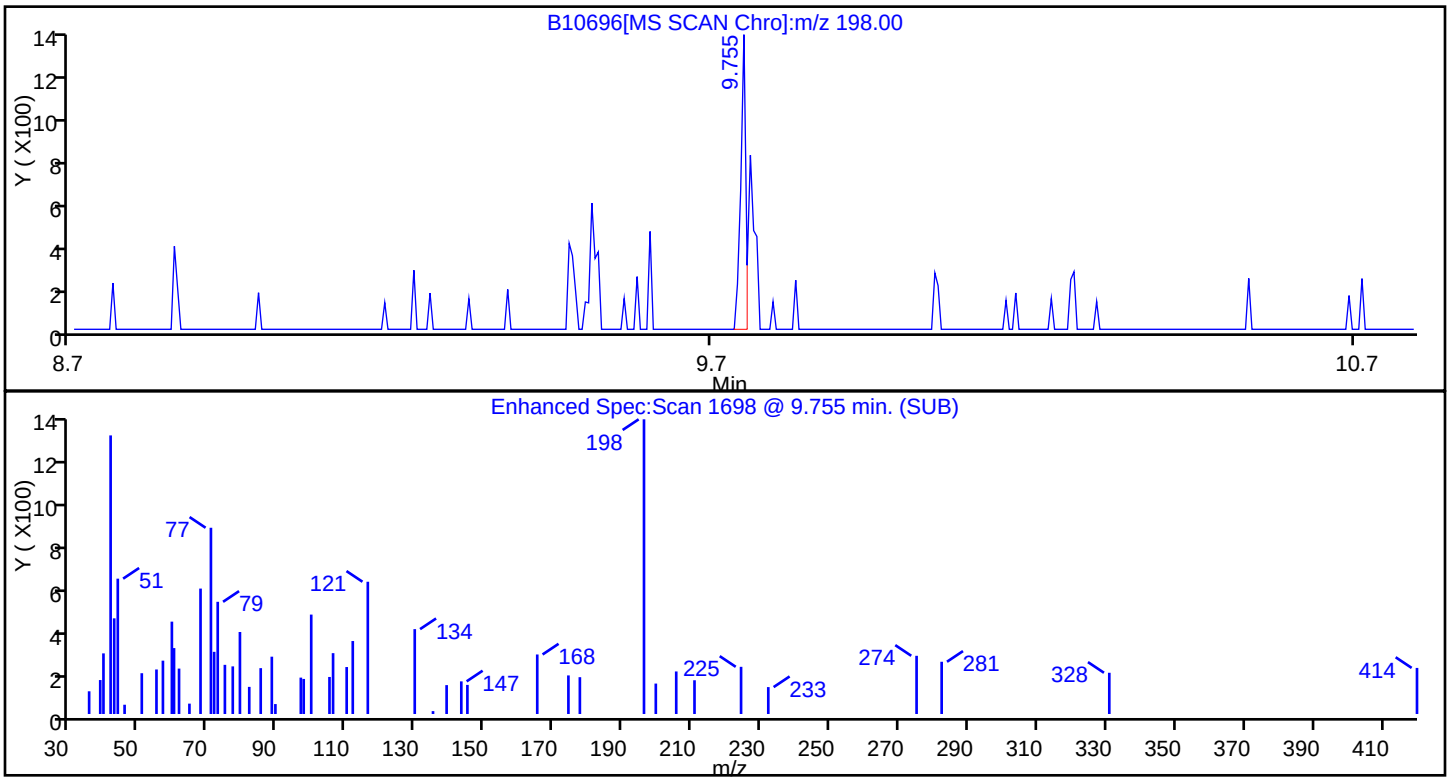
Chrom Revision: 1.1 01-Oct-2009 08:19:20

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
9.76	198.00	711	0.250000
9.75	121.00	593	
9.75	105.00	479	

Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Marked Compound Undetected
Audit Reason:

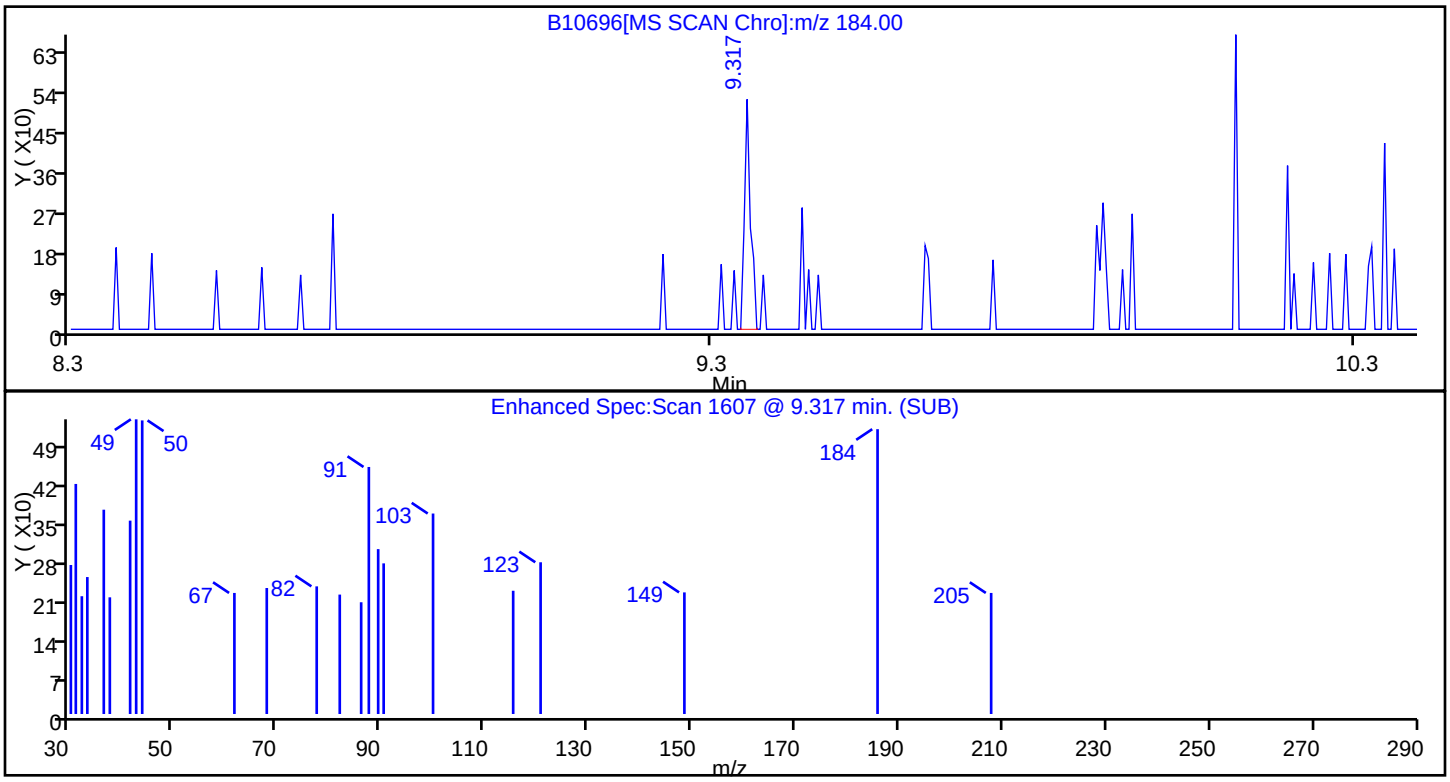
Chrom Revision: 1.1 01-Oct-2009 08:19:20

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10696.D		
Inj Date:	03-Oct-2009 17:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.32	184.00	327	0.084178
9.32	63.00	168	
9.32	154.00	188	

Reviewer: sullivanp, 05-Oct-2009 13:36:47
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10697.D		
Lims ID:	std05	Client ID:	
Inject. Date:	03-Oct-2009 18:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49824	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:38:05
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:23

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.628	6.632	-0.004	212531	2.00	
* 2 Naphthalene-d8	136	7.778	7.777	0.001	488582	2.00	
* 3 Acenaphthene-d10	164	9.259	9.263	-0.004	208290	2.00	
* 4 Phenanthrene-d10	188	10.495	10.499	-0.004	288597	2.00	
* 5 Chrysene-d12	240	12.899	12.903	-0.004	192279	2.00	
* 6 Perylene-d12	264	15.433	15.432	0.001	133959	2.00	
$ 7 2-Fluorophenol	112	5.219	5.218	0.001	31115	0.4801	
$ 8 Phenol-d5	99	6.306	6.310	-0.004	42472	0.4711	
$ 9 Nitrobenzene-d5	82	7.148	7.147	0.001	43955	0.4549	
$ 10 2-Fluorobiphenyl	172	8.691	8.690	0.001	75595	0.4599	
$ 11 2,4,6-Tribromophenol	330	9.918	9.917	0.001	4896	0.4281	
$ 12 Terphenyl-d14	244	11.812	11.816	-0.004	41534	0.4785	
14 1,4-Dioxane	88	2.147	2.155	-0.008	11961	0.4444	
16 Pyridine	79	2.623	2.607	0.016	22796	0.4919	
15 N-Nitrosodimethylamine	42	2.618	2.622	-0.004	32161	0.4996	
17 Benzaldehyde	105	6.205	6.209	-0.004	15714	0.4714	
19 Aniline	93	6.316	6.320	-0.004	50102	0.4422	
18 Phenol	94	6.321	6.320	0.001	48530	0.4627	
20 Bis(2-chloroethyl)ether	93	6.393	6.397	-0.004	36263	0.5033	
21 2-Chlorophenol	128	6.426	6.430	-0.004	38974	0.4783	
22 1,4-Dichlorobenzene	146	6.571	6.575	-0.004	46883	0.4946	
23 1,3-Dichlorobenzene	146	6.643	6.647	-0.004	50641	0.5057	
24 Benzyl alcohol	79	6.773	6.777	-0.003	28538	0.5147	
25 1,2-Dichlorobenzene	146	6.787	6.786	0.001	44709	0.4924	
26 2-Methylphenol	108	6.888	6.887	0.001	34912	0.4851	
27 2,2'-oxybis[1-chloropropane]	45	6.902	6.906	-0.004	66692	0.4854	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.013	7.017	-0.004	51799	0.4773	
29 N-Nitrosodi-n-propylamine	70	7.018	7.022	-0.004	26898	0.4516	
28 3 & 4 Methylphenol	108	7.027	7.031	-0.004	36877	0.4909	
31 Hexachloroethane	117	7.095	7.094	0.001	18400	0.4651	
32 Nitrobenzene	77	7.162	7.166	-0.004	45659	0.4691	
33 Isophorone	82	7.379	7.378	0.001	71664	0.4664	
34 2-Nitrophenol	139	7.446	7.450	-0.004	18261	0.4479	
35 2,4-Dimethylphenol	107	7.489	7.493	-0.004	38754	0.4673	
36 Benzoic acid	105	7.528	7.560	-0.032	992	1.16	
37 Bis(2-chloroethoxy)methane	93	7.566	7.570	-0.004	38761	0.4533	
38 2,4-Dichlorophenol	162	7.662	7.661	0.001	29287	0.4565	
39 1,2,4-Trichlorobenzene	180	7.730	7.729	0.001	36159	0.4846	
41 Naphthalene	128	7.792	7.796	-0.004	109402	0.4588	
40 Alpha-Terpineol	59	7.802	7.806	-0.004	35578	0.4553	
42 4-Chloroaniline	127	7.845	7.844	0.001	41781	0.4274	
43 Hexachlorobutadiene	225	7.903	7.902	0.001	19747	0.4574	
44 Caprolactam	55	8.109	8.133	-0.024	14355	0.4427	
45 4-Chloro-3-methylphenol	107	8.254	8.258	-0.004	31632	0.4497	
46 2-Methylnaphthalene	142	8.384	8.387	-0.003	68923	0.4456	
47 1-Methylnaphthalene	142	8.465	8.469	-0.004	69622	0.4587	
48 Hexachlorocyclopentadiene	237	8.518	8.517	0.001	10180	0.8297	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	28044	0.4587	
50 2,4,6-Trichlorophenol	196	8.624	8.628	-0.004	17655	0.4455	
51 2,4,5-Trichlorophenol	196	8.653	8.657	-0.004	17825	0.4405	
52 1,1'-Biphenyl	154	8.773	8.777	-0.004	80457	0.4676	
53 2-Chloronaphthalene	162	8.792	8.796	-0.004	74101	0.4576	
54 Phenyl ether	170	8.860	8.864	-0.004	43690	0.4520	
68 4-Nitroaniline	138	8.879	8.883	-0.004	20175	0.4430	
56 Dimethyl phthalate	163	9.023	9.027	-0.004	71178	0.4664	
57 2,6-Dinitrotoluene	165	9.076	9.080	-0.004	16892	0.4933	
58 Acenaphthylene	152	9.139	9.142	-0.003	92393	0.4461	
59 3-Nitroaniline	138	9.220	9.219	0.001	16552	0.4697	
61 Acenaphthene	153	9.288	9.287	0.001	64273	0.4575	
62 4-Nitrophenol	109	9.360	9.359	0.001	8092	0.4835	
63 2,4-Dinitrotoluene	165	9.413	9.417	-0.004	18557	0.4592	
64 Dibenzofuran	168	9.427	9.431	-0.004	81033	0.4541	
65 2,3,4,6-Tetrachlorophenol	232	9.533	9.532	0.001	10549	0.4462	
66 Diethyl phthalate	149	9.605	9.609	-0.004	70760	0.4538	
67 4-Chlorophenyl phenyl ether	204	9.711	9.710	0.001	30587	0.4321	
69 Fluorene	166	9.716	9.715	0.001	64881	0.8810	
55 2-Nitroaniline	65	9.720	9.729	-0.009	21151	0.4941	
70 4,6-Dinitro-2-methylphenol	198	9.754	9.753	0.001	3163	0.6452	
71 Diphenylamine	169	9.807	9.811	-0.004	55051	0.4817	
72 N-Nitrosodiphenylamine	169	9.807	9.811	-0.004	55051	0.4817	
73 1,2-Diphenylhydrazine	77	9.841	9.845	-0.004	113263	0.4643	
74 Azobenzene	77	9.841	9.845	-0.004	113263	0.4643	
13 Benzophenone	105	9.850	9.854	-0.004	61849	0.4655	
75 4-Bromophenyl phenyl ether	248	10.115	10.119	-0.004	15087	0.4818	
76 Hexachlorobenzene	284	10.177	10.176	0.001	14290	0.4921	
77 Atrazine	200	10.245	10.248	-0.003	12997	0.4733	
78 Pentachlorophenol	266	10.341	10.346	-0.005	2881	0.6308	
79 Pentachloronitrobenzene	237	10.346	10.349	-0.003	6564	0.4108	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.514	10.518	-0.004	80657	0.4726	
81 Anthracene	178	10.557	10.556	0.001	76390	0.4735	
83 Carbazole	167	10.687	10.691	-0.004	69677	0.4976	
84 Di-n-butyl phthalate	149	10.961	10.965	-0.004	98799	0.4675	
87 Fluoranthene	202	11.504	11.504	0.000	69211	0.4649	
86 Benzidine	184	11.605	11.615	-0.010	15764	0.4926	
85 Pyrene	202	11.692	11.696	-0.004	73182	0.5032	
89 Butyl benzyl phthalate	149	12.240	12.244	-0.004	34455	0.4482	
91 3,3'-Dichlorobenzidine	252	12.851	12.850	0.001	12392	0.4646	
93 Benzo[a]anthracene	228	12.885	12.888	-0.003	47523	0.4995	
92 Bis(2-ethylhexyl) phthalate	149	12.904	12.903	0.001	52928	0.4039	
94 Chrysene	228	12.933	12.937	-0.004	45957	0.5065	
95 Di-n-octyl phthalate	149	13.971	13.970	0.001	55680	0.4034	
97 Benzo[b]fluoranthene	252	14.702	14.716	-0.014	39262	0.4623	
98 Benzo[k]fluoranthene	252	14.774	14.774	0.000	35024	0.4640	
99 Benzo[a]pyrene	252	15.347	15.346	0.001	29200	0.4423	
100 Indeno[1,2,3-cd]pyrene	276	16.828	16.827	0.001	31965	0.5115	
101 Dibenz(a,h)anthracene	278	16.861	16.861	0.000	25777	0.4902	
102 Benzo[g,h,i]perylene	276	17.208	17.202	0.006	27083	0.4875	

Report Date: 06-Oct-2009 17:01:23 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10697.D

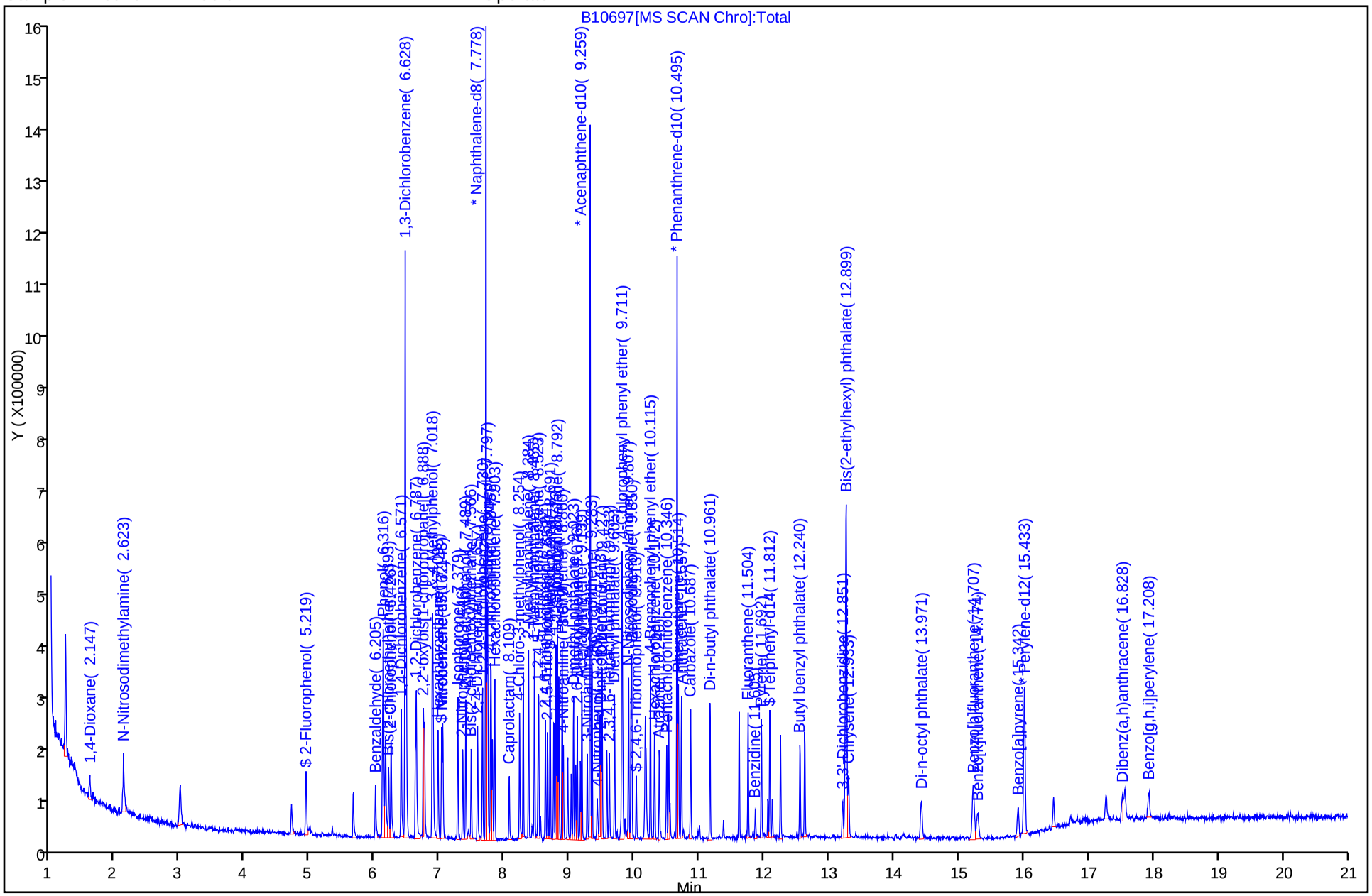
Inj Date: 03-Oct-2009 18:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: 0.5 ppm

Sample Amount: 1.00 ul Operator: MZ

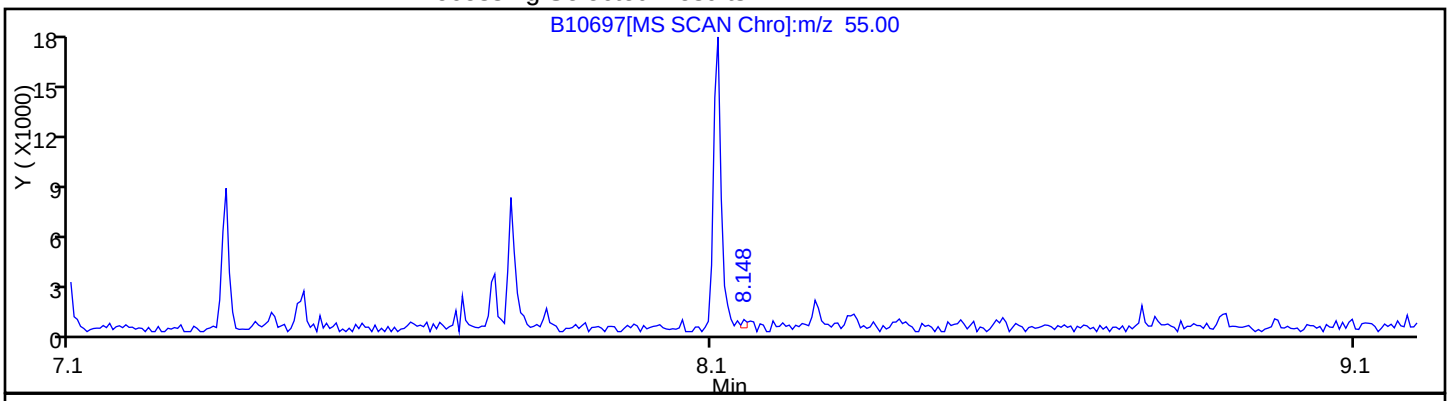


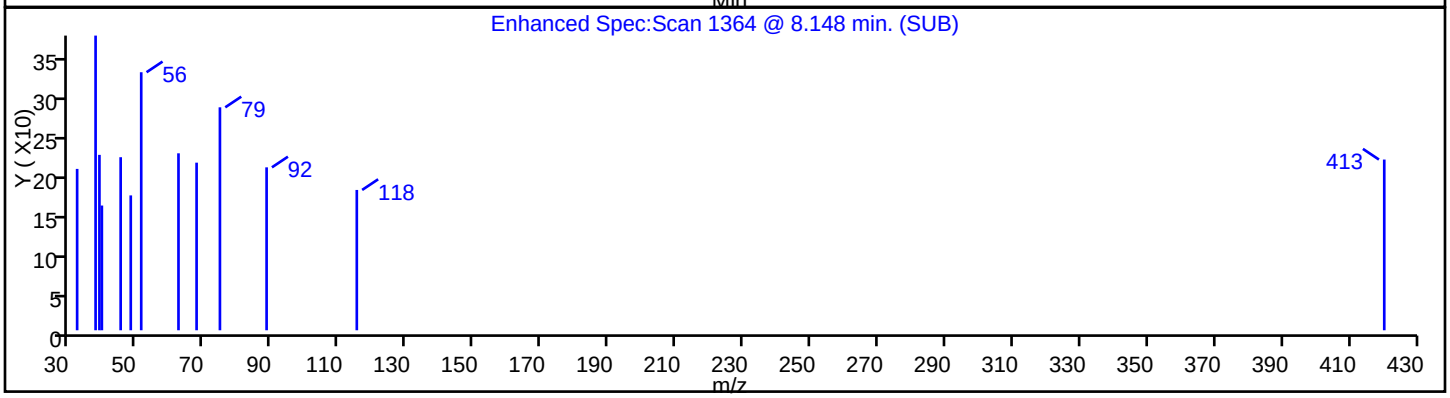
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10697.D		
Inj Date:	03-Oct-2009 18:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

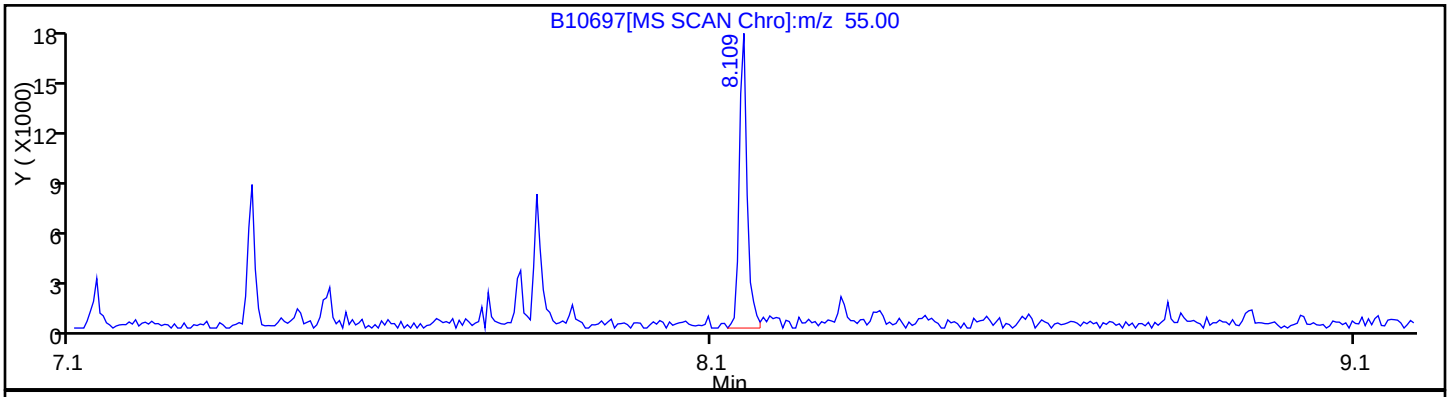
44 Caprolactam

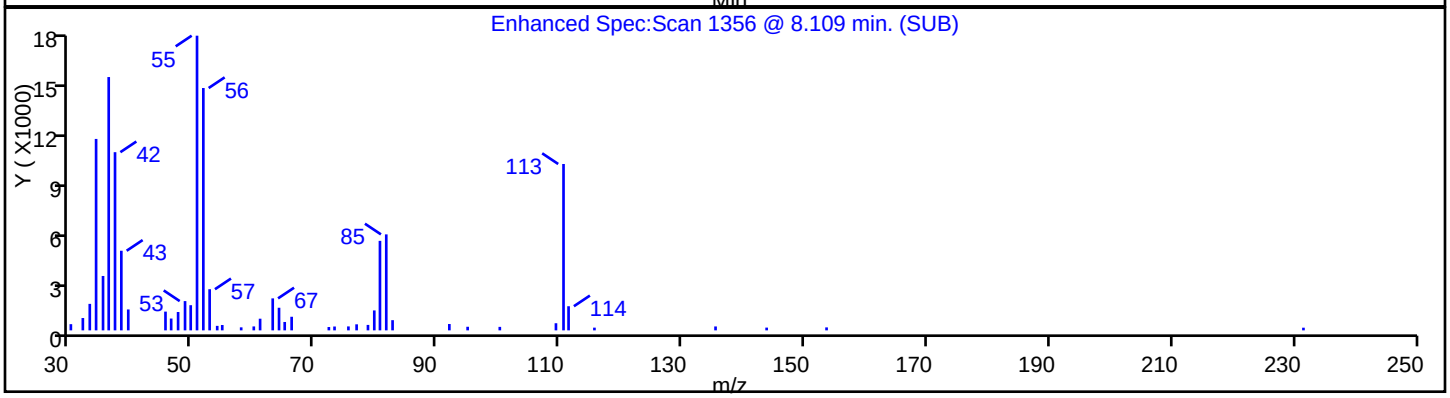
Processing Selected Results





Manual Selected Results





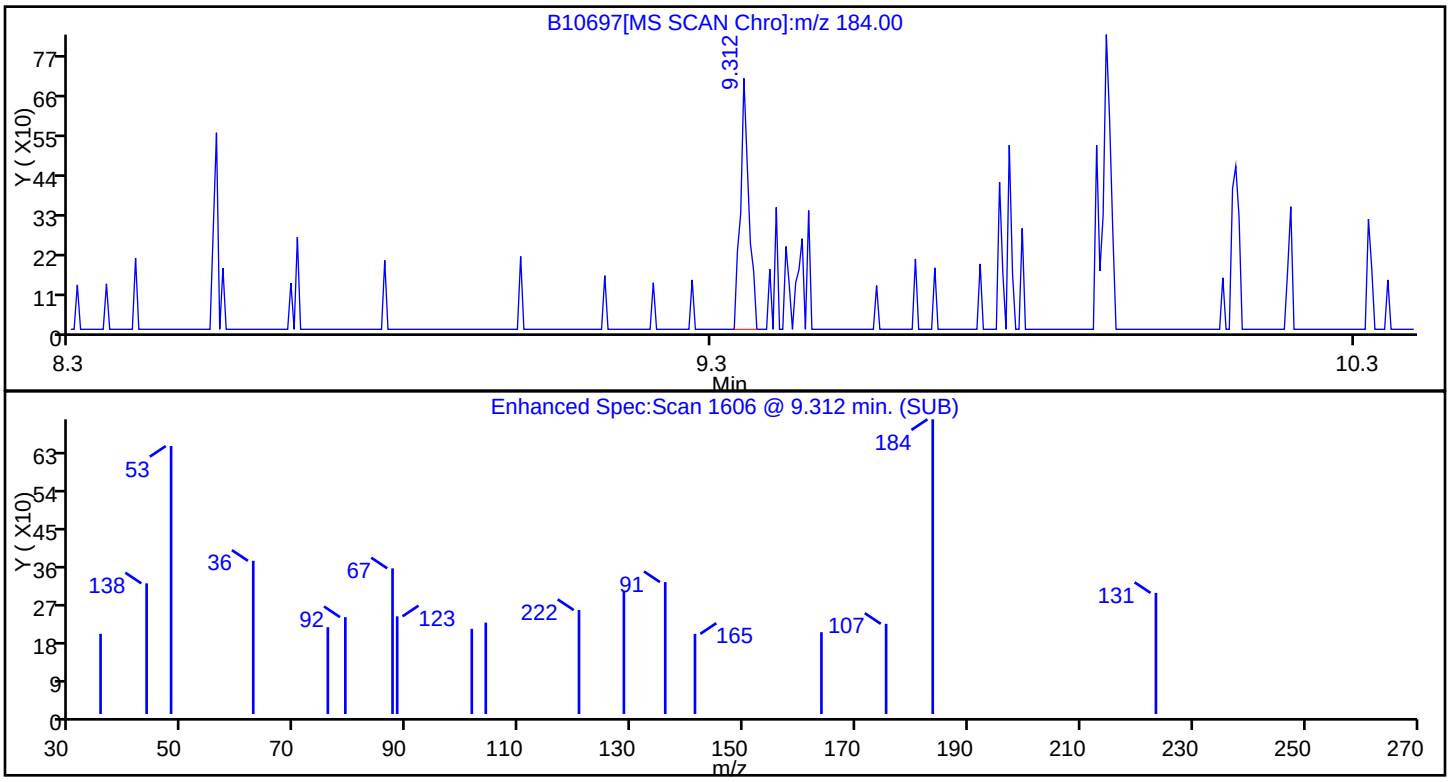
Reviewer: sullivanp, 05-Oct-2009 13:38:05
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10697.D		
Inj Date:	03-Oct-2009 18:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.31	184.00	613	0.148695
9.31	63.00	542	
9.31	154.00	678	

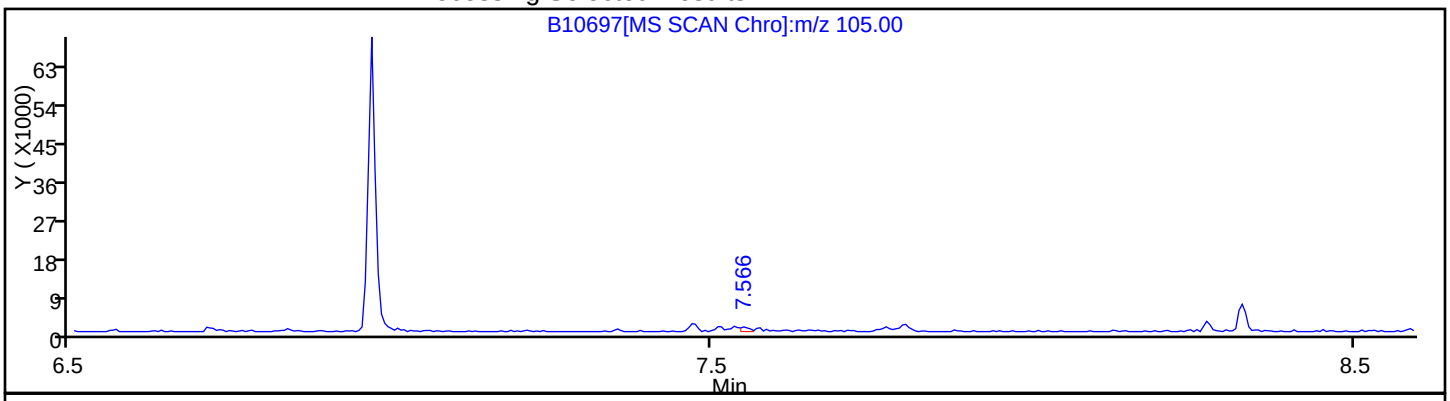
Reviewer: sullivanp, 05-Oct-2009 13:38:05
Audit Action: Marked Compound Undetected
Audit Reason:

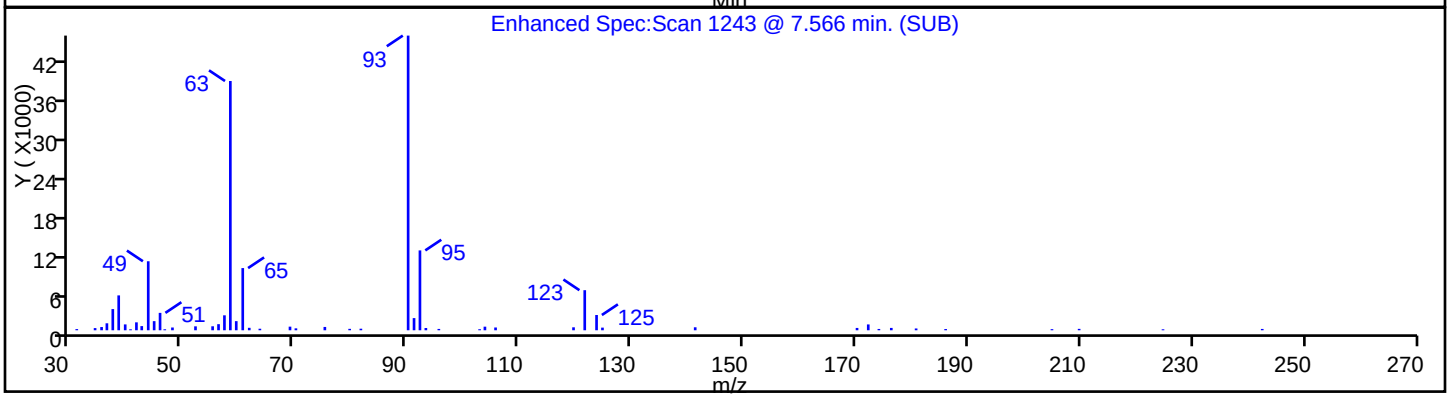
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10697.D		
Inj Date:	03-Oct-2009 18:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

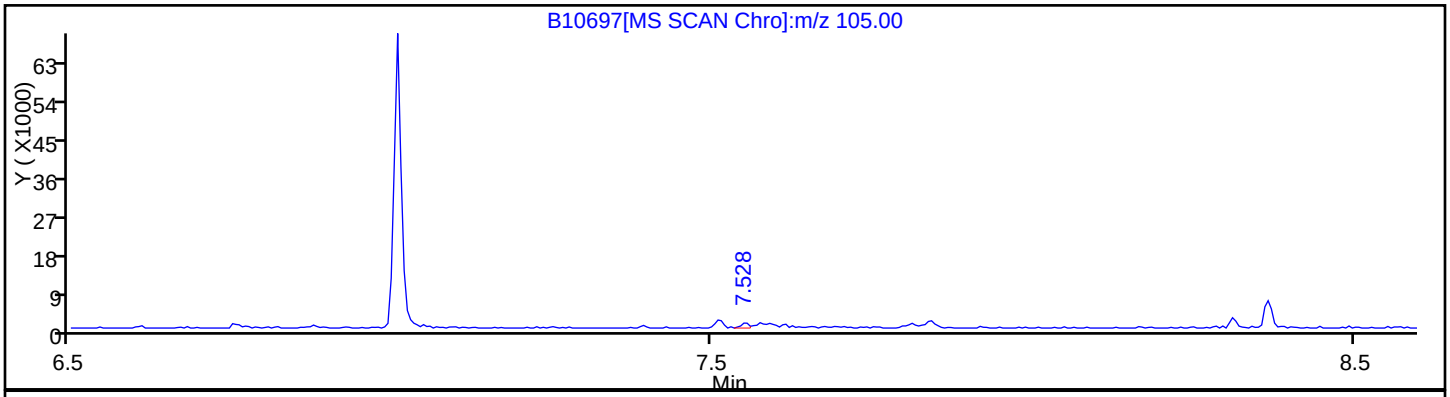
36 Benzoic acid

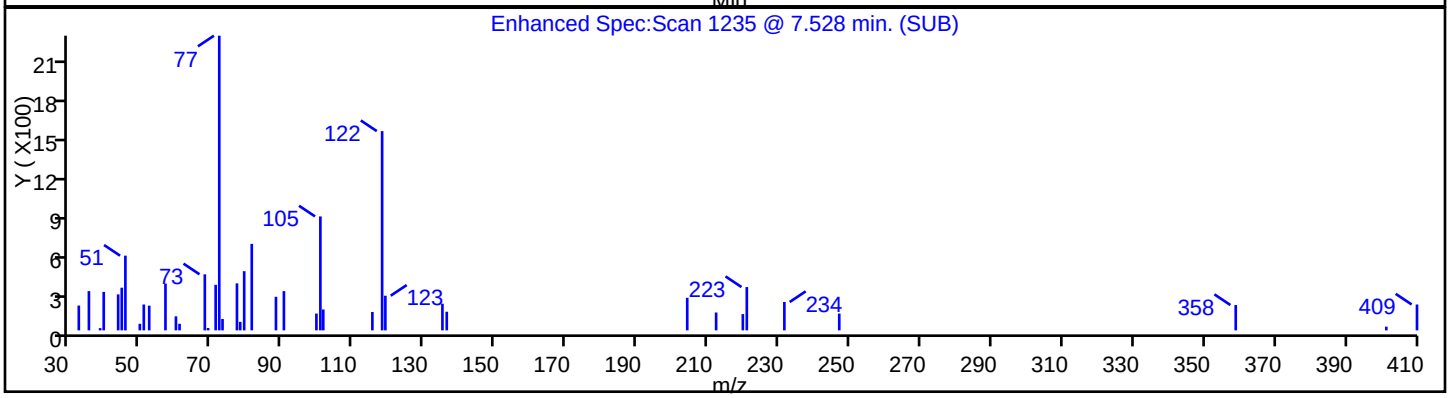
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 13:38:05
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10698.D		
Lims ID:	std1	Client ID:	
Inject. Date:	03-Oct-2009 18:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1.0 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49824	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:40:15
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:33

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.632	6.632	0.000	235653	2.00	
* 2 Naphthalene-d8	136	7.776	7.777	-0.001	516091	2.00	
* 3 Acenaphthene-d10	164	9.258	9.263	-0.005	223921	2.00	
* 4 Phenanthrene-d10	188	10.493	10.499	-0.006	314483	2.00	
* 5 Chrysene-d12	240	12.898	12.903	-0.005	200263	2.00	
* 6 Perylene-d12	264	15.437	15.432	0.005	147522	2.00	
$ 7 2-Fluorophenol	112	5.223	5.218	0.005	64373	0.8957	
$ 8 Phenol-d5	99	6.305	6.310	-0.005	93929	0.9397	
$ 9 Nitrobenzene-d5	82	7.146	7.147	-0.001	97466	0.9550	
$ 10 2-Fluorobiphenyl	172	8.690	8.690	0.000	162131	0.9175	
$ 11 2,4,6-Tribromophenol	330	9.916	9.917	-0.001	11493	0.9223	
$ 12 Terphenyl-d14	244	11.811	11.816	-0.005	88964	0.9840	
14 1,4-Dioxane	88	2.155	2.155	0.000	27640	0.9611	
16 Pyridine	79	2.626	2.607	0.019	63894	0.99	
15 N-Nitrosodimethylamine	42	2.626	2.622	0.004	67227	0.9418	
17 Benzaldehyde	105	6.209	6.209	0.000	33662	0.9108	
19 Aniline	93	6.319	6.320	-0.001	113149	0.9006	
18 Phenol	94	6.319	6.320	-0.001	102439	0.8808	
20 Bis(2-chloroethyl)ether	93	6.396	6.397	-0.001	73445	0.9194	
21 2-Chlorophenol	128	6.430	6.430	0.000	84207	0.9320	
22 1,4-Dichlorobenzene	146	6.574	6.575	-0.001	99673	0.9484	
23 1,3-Dichlorobenzene	146	6.646	6.647	-0.001	103890	0.9357	
24 Benzyl alcohol	79	6.776	6.777	0.000	66488	1.01	
25 1,2-Dichlorobenzene	146	6.786	6.786	0.000	94787	0.9416	
26 2-Methylphenol	108	6.887	6.887	0.000	76023	0.9528	
27 2,2'-oxybis[1-chloropropane]	45	6.901	6.906	-0.005	137793	0.9044	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.012	7.017	-0.005	109277	0.9082	
29 N-Nitrosodi-n-propylamine	70	7.021	7.022	-0.001	61878	0.9370	
28 3 & 4 Methylphenol	108	7.026	7.031	-0.005	75542	0.9069	
31 Hexachloroethane	117	7.094	7.094	0.000	40532	0.9241	
32 Nitrobenzene	77	7.166	7.166	0.000	97663	0.9498	
33 Isophorone	82	7.377	7.378	-0.001	156183	0.9622	
34 2-Nitrophenol	139	7.449	7.450	-0.001	41448	0.9624	
35 2,4-Dimethylphenol	107	7.493	7.493	0.000	80612	0.9203	
36 Benzoic acid	105	7.536	7.560	-0.024	5596	1.35	
37 Bis(2-chloroethoxy)methane	93	7.570	7.570	0.000	86716	0.9601	
38 2,4-Dichlorophenol	162	7.661	7.661	0.000	66263	0.9778	
39 1,2,4-Trichlorobenzene	180	7.728	7.729	-0.001	76107	0.9657	
41 Naphthalene	128	7.796	7.796	0.000	232680	0.9237	
40 Alpha-Terpineol	59	7.800	7.806	-0.006	77570	0.9398	
42 4-Chloroaniline	127	7.844	7.844	0.000	97004	0.9395	
43 Hexachlorobutadiene	225	7.901	7.902	-0.001	43752	0.9594	
44 Caprolactam	55	8.113	8.133	-0.020	34043	0.9396	
45 4-Chloro-3-methylphenol	107	8.257	8.258	-0.001	66646	0.8969	
46 2-Methylnaphthalene	142	8.382	8.387	-0.005	145513	0.8907	
47 1-Methylnaphthalene	142	8.469	8.469	0.000	145940	0.9103	
48 Hexachlorocyclopentadiene	237	8.517	8.517	0.000	23334	1.17	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	58366	0.9038	
50 2,4,6-Trichlorophenol	196	8.623	8.628	-0.005	39559	0.9286	
51 2,4,5-Trichlorophenol	196	8.656	8.657	-0.001	39985	0.9191	
52 1,1'-Biphenyl	154	8.777	8.777	0.000	169073	0.9140	
53 2-Chloronaphthalene	162	8.796	8.796	0.000	164272	0.9436	
54 Phenyl ether	170	8.863	8.864	-0.001	93752	0.9181	
68 4-Nitroaniline	138	8.878	8.883	-0.005	47258	0.9652	
56 Dimethyl phthalate	163	9.022	9.027	-0.005	150275	0.9159	
57 2,6-Dinitrotoluene	165	9.080	9.080	0.000	34780	0.9447	
58 Acenaphthylene	152	9.142	9.142	0.000	198878	0.8931	
59 3-Nitroaniline	138	9.219	9.219	0.000	35424	0.9351	
61 Acenaphthene	153	9.286	9.287	-0.001	135693	0.8985	
60 2,4-Dinitrophenol	184	9.306	9.311	-0.005	3550	1.87	
62 4-Nitrophenol	109	9.359	9.359	0.000	22211	0.9083	
63 2,4-Dinitrotoluene	165	9.411	9.417	-0.006	40674	0.8465	
64 Dibenzofuran	168	9.431	9.431	0.000	166398	0.8675	
65 2,3,4,6-Tetrachlorophenol	232	9.532	9.532	0.000	23489	0.8411	
66 Diethyl phthalate	149	9.609	9.609	0.000	152626	0.9106	
67 4-Chlorophenyl phenyl ether	204	9.710	9.710	0.000	65973	0.8669	
69 Fluorene	166	9.714	9.715	-0.001	135197	1.19	
55 2-Nitroaniline	65	9.724	9.729	-0.005	49826	1.08	
70 4,6-Dinitro-2-methylphenol	198	9.753	9.753	0.000	9098	0.9629	
71 Diphenylamine	169	9.806	9.811	-0.005	121235	0.9736	
72 N-Nitrosodiphenylamine	169	9.806	9.811	-0.005	121235	0.9736	
73 1,2-Diphenylhydrazine	77	9.839	9.845	-0.006	256838	0.9663	
74 Azobenzene	77	9.839	9.845	-0.006	256838	0.9663	
13 Benzophenone	105	9.849	9.854	-0.005	135175	0.9336	
75 4-Bromophenyl phenyl ether	248	10.118	10.119	-0.001	30843	0.9038	
76 Hexachlorobenzene	284	10.176	10.176	0.000	28860	0.9120	
77 Atrazine	200	10.243	10.248	-0.005	28230	0.9433	
78 Pentachlorophenol	266	10.340	10.346	-0.006	7270	0.9631	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.349	10.349	0.000	15282	0.8777	
80 Phenanthrene	178	10.513	10.518	-0.005	170504	0.9168	
81 Anthracene	178	10.556	10.556	0.000	168252	0.9571	
83 Carbazole	167	10.686	10.691	-0.005	153629	1.01	
84 Di-n-butyl phthalate	149	10.965	10.965	0.000	211226	0.9172	
87 Fluoranthene	202	11.503	11.504	-0.001	149181	0.9197	
86 Benzidine	184	11.609	11.615	-0.006	36888	1.06	
85 Pyrene	202	11.696	11.696	0.000	156639	1.03	
89 Butyl benzyl phthalate	149	12.244	12.244	0.000	79221	0.9894	
91 3,3'-Dichlorobenzidine	252	12.850	12.850	0.000	31229	1.12	
93 Benzo[a]anthracene	228	12.883	12.888	-0.005	100135	1.01	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	118399	0.9442	
94 Chrysene	228	12.931	12.937	-0.006	93676	0.99	
95 Di-n-octyl phthalate	149	13.965	13.970	-0.005	139603	0.7941	
97 Benzo[b]fluoranthene	252	14.711	14.716	-0.005	86089	0.9204	
98 Benzo[k]fluoranthene	252	14.768	14.774	-0.006	75952	0.9138	
99 Benzo[a]pyrene	252	15.341	15.346	-0.005	65378	0.8991	
100 Indeno[1,2,3-cd]pyrene	276	16.827	16.827	0.000	68410	0.99	
101 Dibenz(a,h)anthracene	278	16.855	16.861	-0.006	54197	0.9359	
102 Benzo[g,h,i]perylene	276	17.197	17.202	-0.005	56778	0.9281	

Report Date: 06-Oct-2009 17:01:33 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10698.D

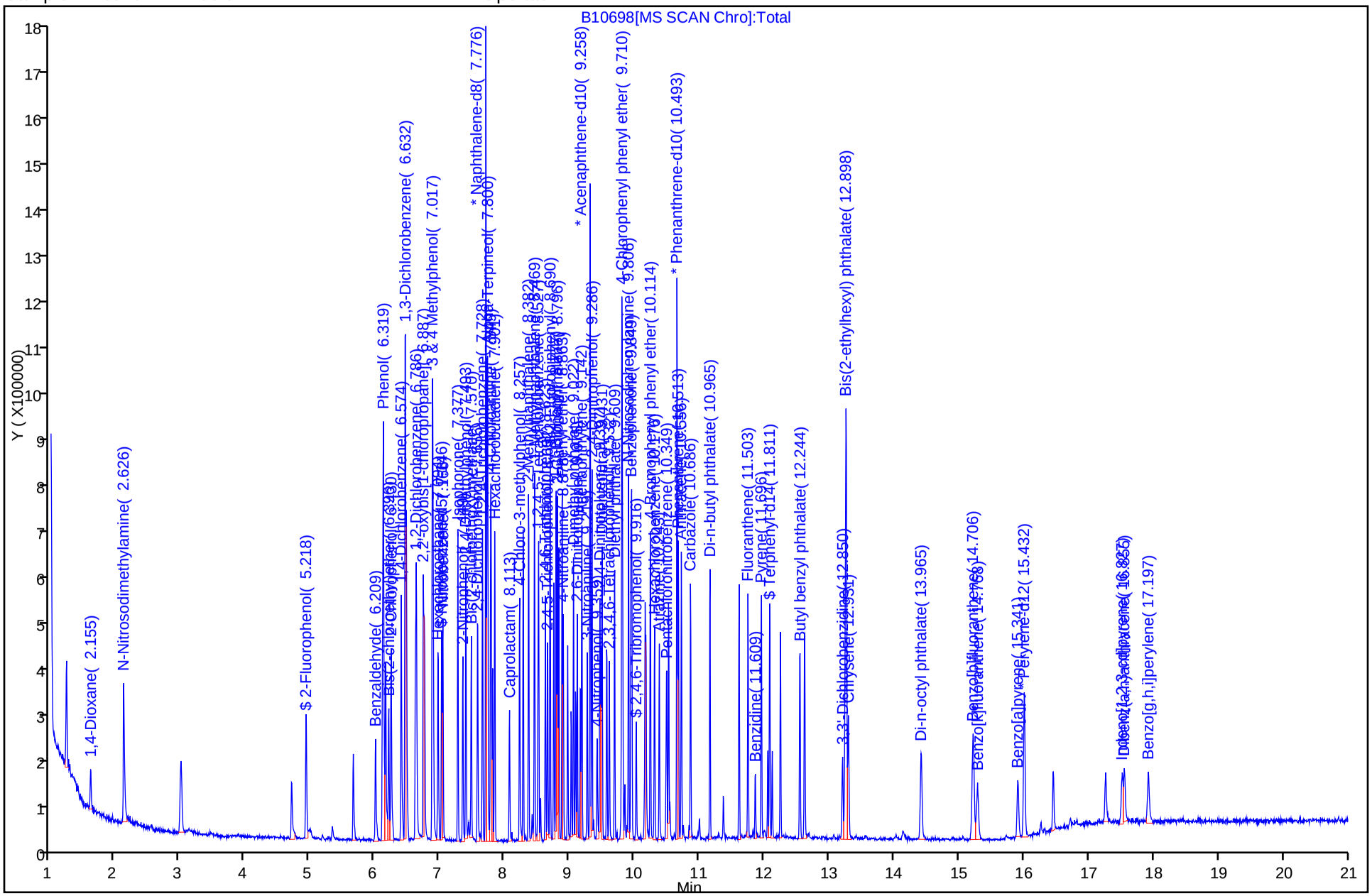
Inj Date: 03-Oct-2009 18:42:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: 1.0 ppm

Sample Amount: 1.00 ul Operator: MZ

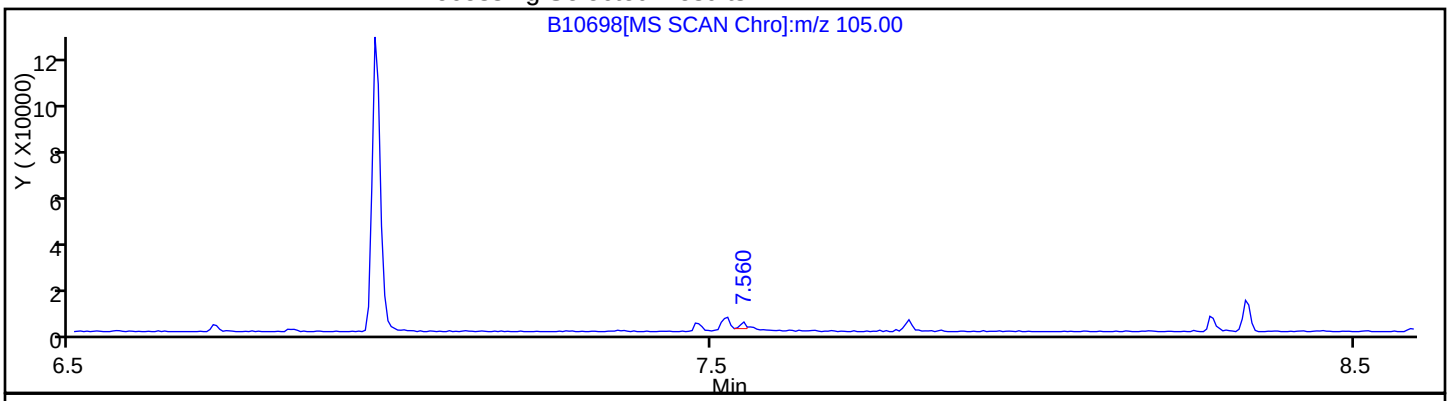


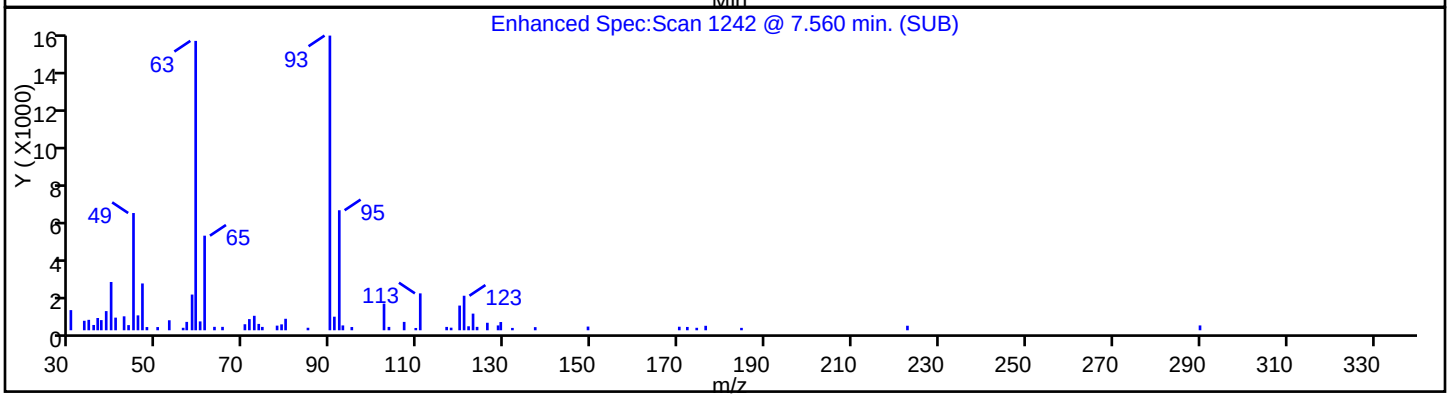
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10698.D		
Inj Date:	03-Oct-2009 18:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	1.0 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

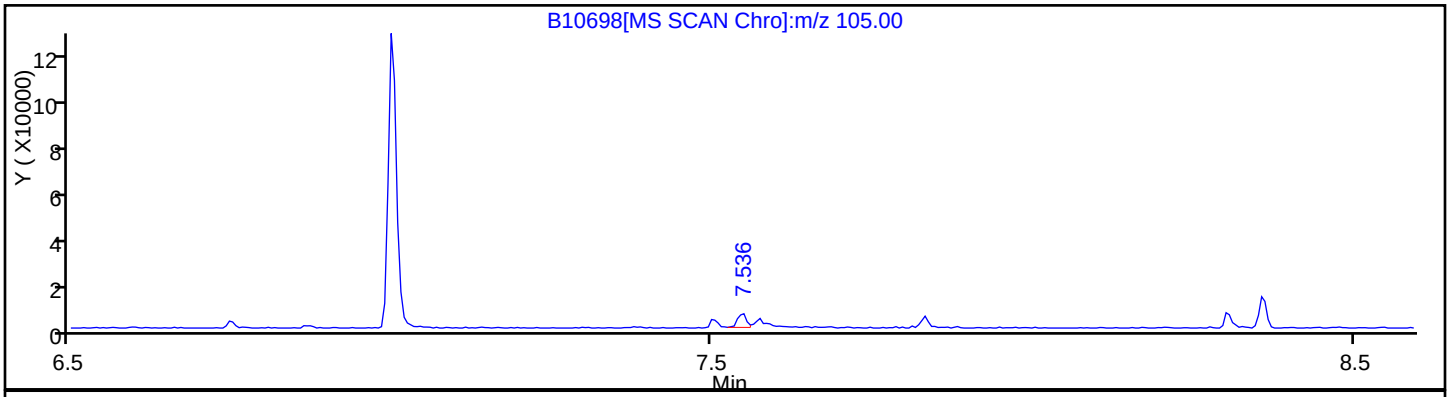
36 Benzoic acid

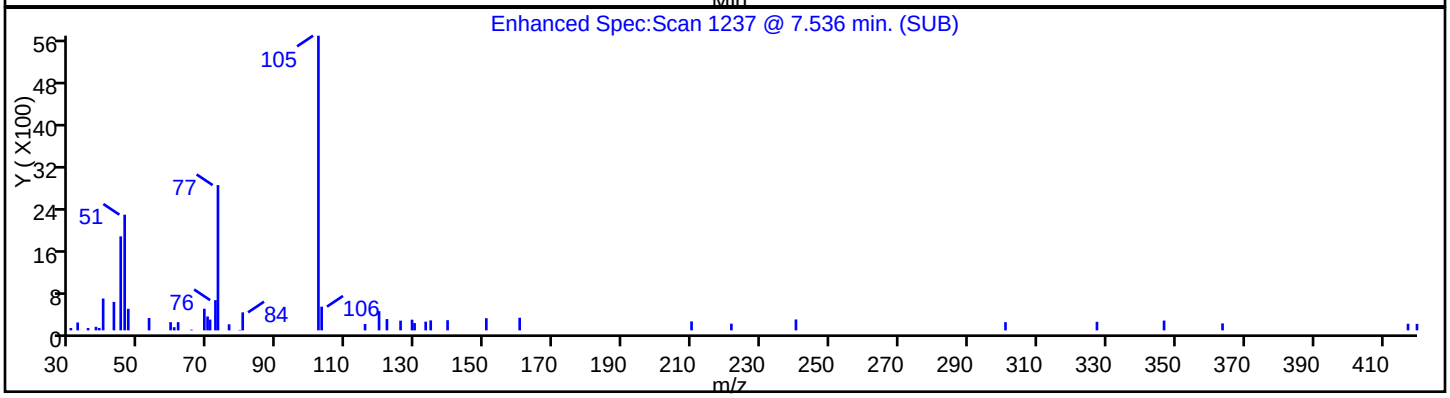
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 13:40:15
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10699.D		
Lims ID:	std25	Client ID:	
Inject. Date:	03-Oct-2009 19:10:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49824	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:43:02
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:41

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.630	6.630	0.000	242753	2.00	
* 2 Naphthalene-d8	136	7.779	7.779	0.000	499771	2.00	
* 3 Acenaphthene-d10	164	9.260	9.260	0.000	217993	2.00	
* 4 Phenanthrene-d10	188	10.496	10.496	0.000	327971	2.00	
* 5 Chrysene-d12	240	12.901	12.901	0.000	217410	2.00	
* 6 Perylene-d12	264	15.430	15.430	0.000	150134	2.00	
$ 7 2-Fluorophenol	112	5.221	5.221	0.000	163717	2.21	
$ 8 Phenol-d5	99	6.308	6.308	0.000	227175	2.21	
$ 9 Nitrobenzene-d5	82	7.149	7.149	0.000	239993	2.43	
$ 10 2-Fluorobiphenyl	172	8.693	8.693	0.000	407927	2.37	
$ 11 2,4,6-Tribromophenol	330	9.919	9.919	0.000	34025	2.62	
$ 12 Terphenyl-d14	244	11.814	11.814	0.000	228253	2.33	
14 1,4-Dioxane	88	2.148	2.148	0.000	59135	2.03	
16 Pyridine	79	2.610	2.610	0.000	155170	2.12	
15 N-Nitrosodimethylamine	42	2.615	2.615	0.000	167053	2.27	
17 Benzaldehyde	105	6.207	6.207	0.000	80633	2.12	
19 Aniline	93	6.317	6.317	0.000	280414	2.17	
18 Phenol	94	6.317	6.317	0.000	271711	2.27	
20 Bis(2-chloroethyl)ether	93	6.394	6.394	0.000	170074	2.07	
21 2-Chlorophenol	128	6.428	6.428	0.000	202067	2.17	
22 1,4-Dichlorobenzene	146	6.572	6.572	0.000	238381	2.20	
23 1,3-Dichlorobenzene	146	6.644	6.644	0.000	253977	2.22	
24 Benzyl alcohol	79	6.774	6.774	0.000	178688	2.42	
25 1,2-Dichlorobenzene	146	6.789	6.789	0.000	231845	2.24	
26 2-Methylphenol	108	6.885	6.885	0.000	181473	2.21	
27 2,2'-oxybis[1-chloropropane]	45	6.904	6.904	0.000	336699	2.15	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.015	7.015	0.000	272687	2.20	
29 N-Nitrosodi-n-propylamine	70	7.019	7.019	0.000	148056	2.18	
28 3 & 4 Methylphenol	108	7.029	7.029	0.000	192801	2.25	
31 Hexachloroethane	117	7.096	7.096	0.000	98971	2.19	
32 Nitrobenzene	77	7.164	7.164	0.000	235984	2.37	
33 Isophorone	82	7.380	7.380	0.000	382763	2.44	
34 2-Nitrophenol	139	7.447	7.447	0.000	102607	2.46	
35 2,4-Dimethylphenol	107	7.491	7.491	0.000	206747	2.44	
36 Benzoic acid	105	7.539	7.560	-0.021	18682	1.92	
37 Bis(2-chloroethoxy)methane	93	7.568	7.568	0.000	201598	2.30	
38 2,4-Dichlorophenol	162	7.659	7.659	0.000	159716	2.43	
39 1,2,4-Trichlorobenzene	180	7.731	7.731	0.000	178887	2.34	
41 Naphthalene	128	7.794	7.794	0.000	565305	2.32	
40 Alpha-Terpineol	59	7.803	7.803	0.000	188102	2.35	
42 4-Chloroaniline	127	7.847	7.847	0.000	237784	2.38	
43 Hexachlorobutadiene	225	7.904	7.904	0.000	100175	2.27	
44 Caprolactam	55	8.121	8.121	0.000	90055	2.49	
45 4-Chloro-3-methylphenol	107	8.255	8.255	0.000	171159	2.38	
46 2-Methylnaphthalene	142	8.385	8.385	0.000	362803	2.29	
47 1-Methylnaphthalene	142	8.467	8.467	0.000	352851	2.27	
48 Hexachlorocyclopentadiene	237	8.520	8.520	0.000	61957	2.28	
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.529	0.000	143858	2.30	
50 2,4,6-Trichlorophenol	196	8.626	8.626	0.000	98479	2.37	
51 2,4,5-Trichlorophenol	196	8.654	8.654	0.000	106616	2.52	
52 1,1'-Biphenyl	154	8.775	8.775	0.000	418778	2.33	
53 2-Chloronaphthalene	162	8.794	8.794	0.000	379888	2.24	
54 Phenyl ether	170	8.861	8.861	0.000	230601	2.33	
68 4-Nitroaniline	138	8.880	8.880	0.000	116688	2.45	
56 Dimethyl phthalate	163	9.025	9.025	0.000	381440	2.39	
57 2,6-Dinitrotoluene	165	9.078	9.078	0.000	88820	2.48	
58 Acenaphthylene	152	9.140	9.140	0.000	515342	2.38	
59 3-Nitroaniline	138	9.222	9.222	0.000	89583	2.43	
61 Acenaphthene	153	9.284	9.284	0.000	336885	2.29	
60 2,4-Dinitrophenol	184	9.308	9.308	0.000	16638	2.72	
62 4-Nitrophenol	109	9.356	9.356	0.000	60903	2.18	
63 2,4-Dinitrotoluene	165	9.414	9.414	0.000	107864	2.16	
64 Dibenzofuran	168	9.429	9.429	0.000	427118	2.29	
65 2,3,4,6-Tetrachlorophenol	232	9.534	9.534	0.000	66382	2.29	
66 Diethyl phthalate	149	9.607	9.607	0.000	381811	2.34	
67 4-Chlorophenyl phenyl ether	204	9.708	9.708	0.000	163663	2.21	
69 Fluorene	166	9.717	9.717	0.000	353805	2.25	
55 2-Nitroaniline	65	9.722	9.722	0.000	122667	2.74	
70 4,6-Dinitro-2-methylphenol	198	9.756	9.756	0.000	31555	2.15	
71 Diphenylamine	169	9.808	9.808	0.000	302684	2.33	
72 N-Nitrosodiphenylamine	169	9.808	9.808	0.000	302684	2.33	
73 1,2-Diphenylhydrazine	77	9.842	9.842	0.000	657723	2.37	
74 Azobenzene	77	9.842	9.842	0.000	657723	2.37	
13 Benzophenone	105	9.852	9.852	0.000	350176	2.32	
75 4-Bromophenyl phenyl ether	248	10.116	10.116	0.000	80677	2.27	
76 Hexachlorobenzene	284	10.179	10.179	0.000	70863	2.15	
77 Atrazine	200	10.246	10.246	0.000	75660	2.42	
78 Pentachlorophenol	266	10.337	10.344	-0.007	25651	2.28	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.347	10.347	0.000	41944	2.31	
80 Phenanthrene	178	10.515	10.515	0.000	434926	2.24	
81 Anthracene	178	10.559	10.559	0.000	428237	2.34	
83 Carbazole	167	10.689	10.689	0.000	380494	2.39	
84 Di-n-butyl phthalate	149	10.963	10.963	0.000	549878	2.29	
87 Fluoranthene	202	11.506	11.506	0.000	385191	2.28	
86 Benzidine	184	11.607	11.619	-0.012	87894	2.42	
85 Pyrene	202	11.694	11.694	0.000	400182	2.43	
89 Butyl benzyl phthalate	149	12.242	12.242	0.000	223105	2.57	
91 3,3'-Dichlorobenzidine	252	12.848	12.850	-0.002	82059	2.72	
93 Benzo[a]anthracene	228	12.886	12.886	0.000	256153	2.38	
92 Bis(2-ethylhexyl) phthalate	149	12.901	12.901	0.000	315320	2.41	
94 Chrysene	228	12.934	12.934	0.000	247897	2.42	
95 Di-n-octyl phthalate	149	13.968	13.968	0.000	428260	2.20	
97 Benzo[b]fluoranthene	252	14.709	14.716	-0.007	224298	2.36	
98 Benzo[k]fluoranthene	252	14.771	14.774	-0.003	206276	2.44	
99 Benzo[a]pyrene	252	15.343	15.346	-0.003	172428	2.33	
100 Indeno[1,2,3-cd]pyrene	276	16.829	16.829	0.000	170461	2.43	
101 Dibenz(a,h)anthracene	278	16.858	16.858	0.000	134576	2.28	
102 Benzo[g,h,i]perylene	276	17.200	17.200	0.000	147764	2.37	

Report Date: 06-Oct-2009 17:01:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10699.D

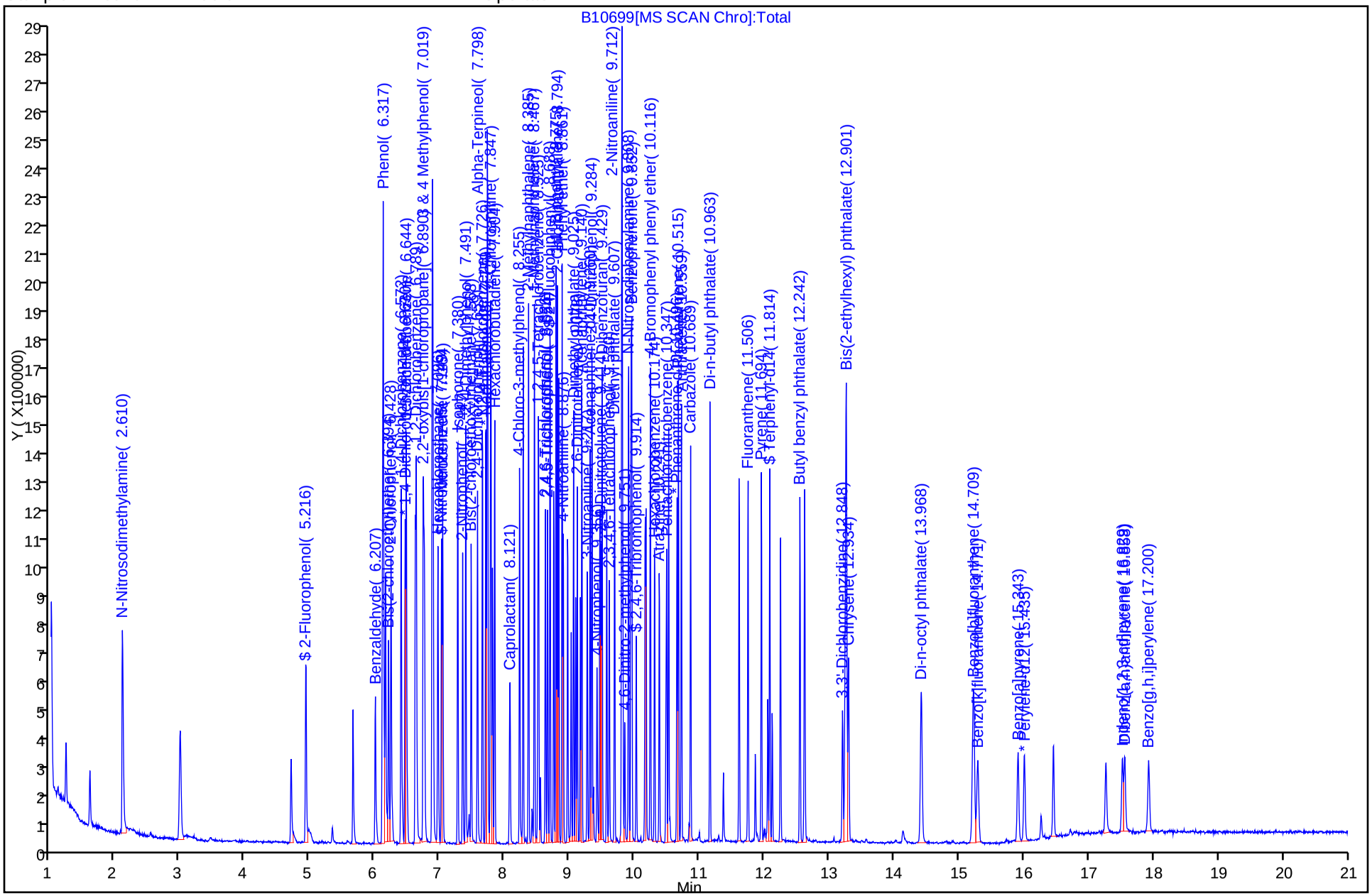
Inj Date: 03-Oct-2009 19:10:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: 2.5 ppm

Sample Amount: 1.00 ul Operator: MZ

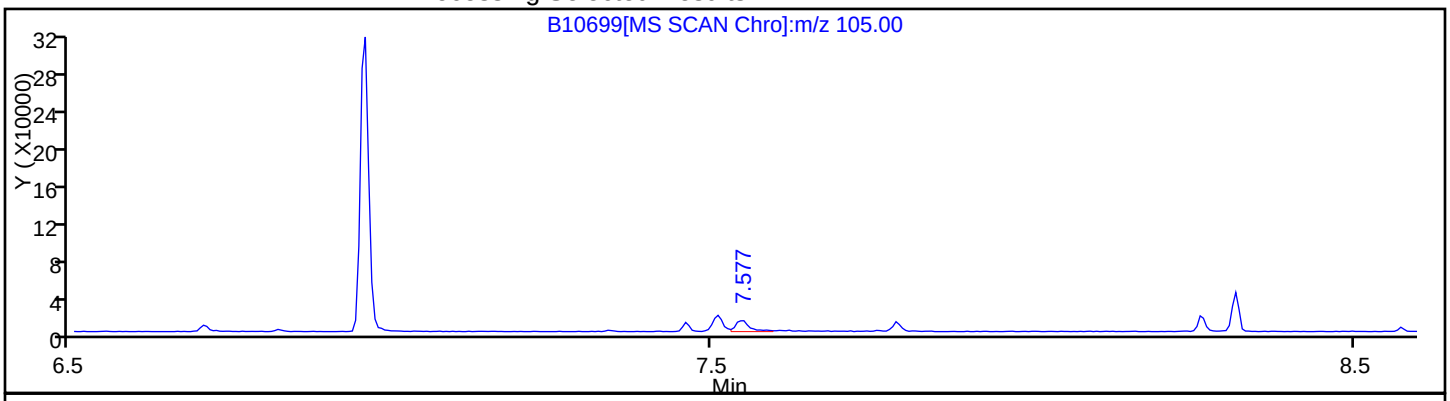


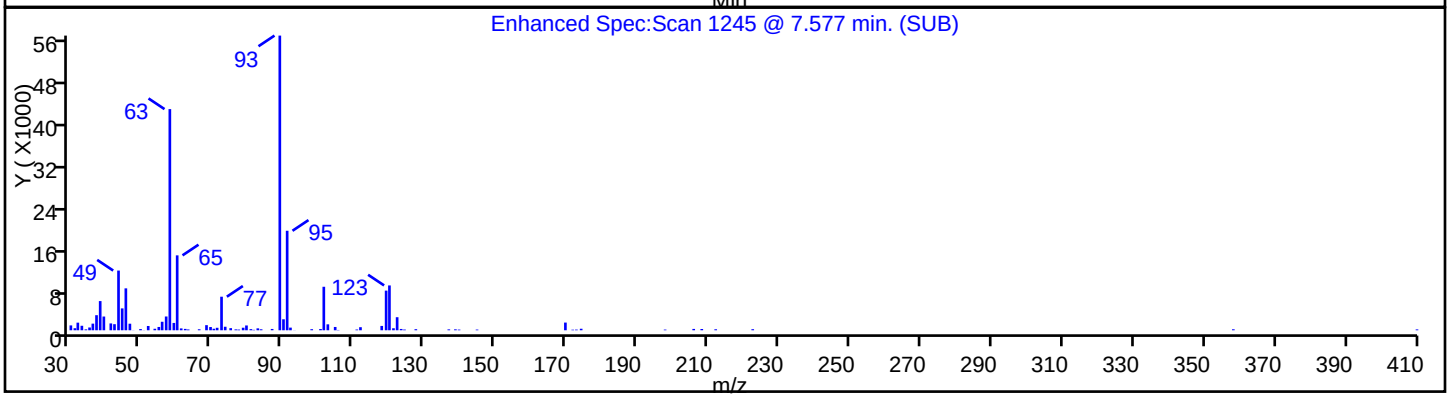
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10699.D		
Inj Date:	03-Oct-2009 19:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	2.5 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

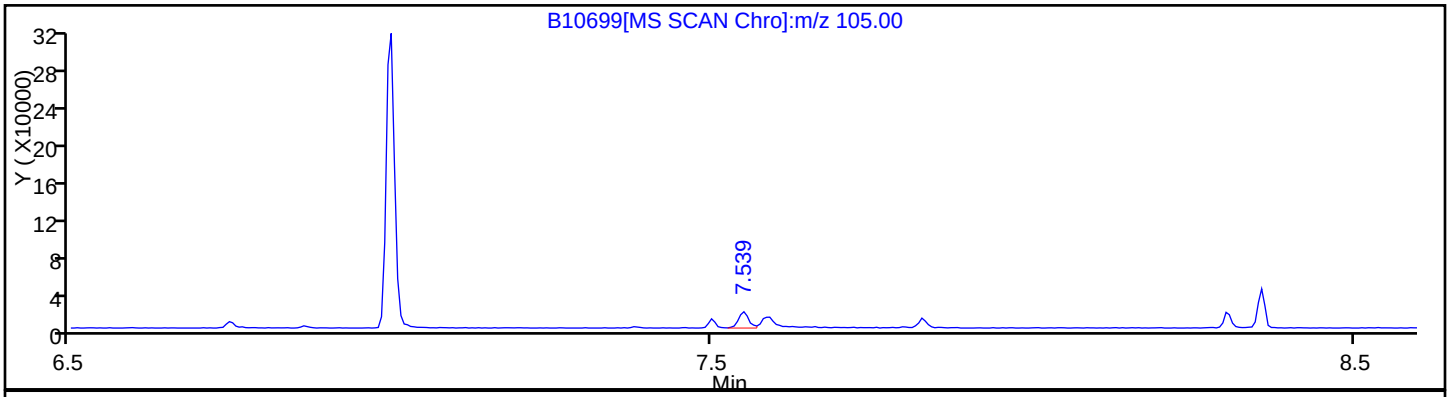
36 Benzoic acid

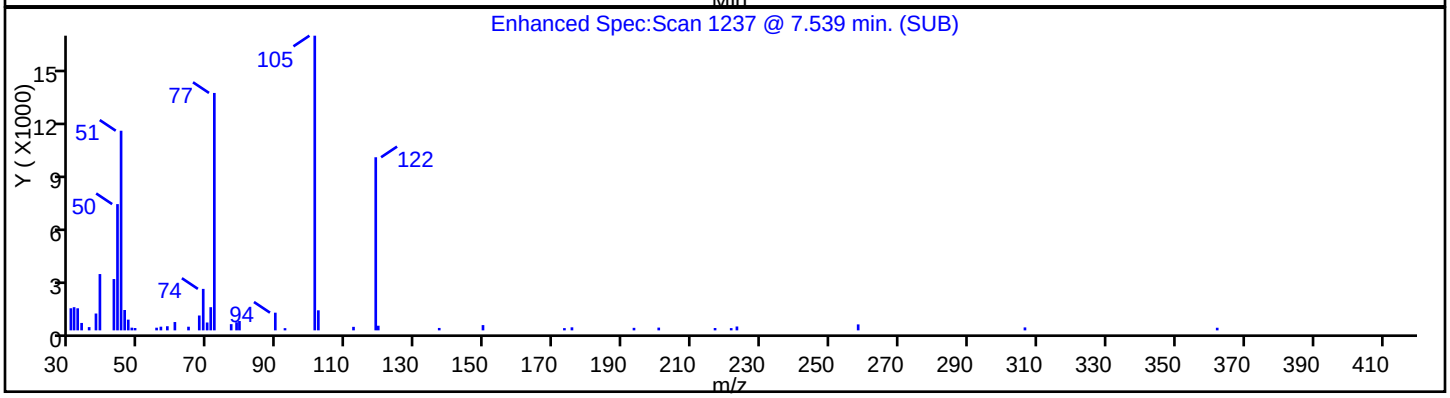
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 13:43:02
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10700.D		
Lims ID:	std8	Client ID:	
Inject. Date:	03-Oct-2009 19:37:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8.0 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49824	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:43:50
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:48

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.628	6.632	-0.004	210317	2.00	
* 2 Naphthalene-d8	136	7.777	7.777	0.000	449270	2.00	
* 3 Acenaphthene-d10	164	9.263	9.263	0.000	201874	2.00	
* 4 Phenanthrene-d10	188	10.499	10.499	0.000	299396	2.00	
* 5 Chrysene-d12	240	12.903	12.903	0.000	208609	2.00	
* 6 Perylene-d12	264	15.438	15.432	0.006	136639	2.00	
$ 7 2-Fluorophenol	112	5.214	5.218	-0.004	486659	7.59	
$ 8 Phenol-d5	99	6.310	6.310	0.000	727401	8.15	
$ 9 Nitrobenzene-d5	82	7.152	7.147	0.005	750334	8.45	
$ 10 2-Fluorobiphenyl	172	8.691	8.690	0.001	1279035	8.03	
$ 11 2,4,6-Tribromophenol	330	9.922	9.917	0.005	107773	9.08	
$ 12 Terphenyl-d14	244	11.817	11.816	0.001	744739	7.91	
14 1,4-Dioxane	88	2.132	2.155	-0.023	174742	7.00	
16 Pyridine	79	2.588	2.607	-0.019	460161	6.87	
15 N-Nitrosodimethylamine	42	2.608	2.622	-0.014	477232	7.49	
17 Benzaldehyde	105	6.205	6.209	-0.004	255887	7.76	
19 Aniline	93	6.320	6.320	0.000	946824	8.44	
18 Phenol	94	6.320	6.320	0.000	891195	8.59	
20 Bis(2-chloroethyl)ether	93	6.397	6.397	0.000	520498	7.30	
21 2-Chlorophenol	128	6.431	6.430	0.001	614326	7.62	
22 1,4-Dichlorobenzene	146	6.575	6.575	0.000	728714	7.77	
23 1,3-Dichlorobenzene	146	6.647	6.647	0.000	764599	7.72	
24 Benzyl alcohol	79	6.777	6.777	0.001	601725	7.66	
25 1,2-Dichlorobenzene	146	6.787	6.786	0.001	714790	7.96	
26 2-Methylphenol	108	6.888	6.887	0.001	560731	7.87	
27 2,2'-oxybis[1-chloropropane]	45	6.902	6.906	-0.004	1034205	7.61	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.017	7.017	0.000	898875	8.37	
29 N-Nitrosodi-n-propylamine	70	7.022	7.022	0.000	503894	8.55	
28 3 & 4 Methylphenol	108	7.032	7.031	0.001	620599	8.35	
31 Hexachloroethane	117	7.094	7.094	0.000	304946	7.79	
32 Nitrobenzene	77	7.166	7.166	0.000	740754	8.28	
33 Isophorone	82	7.383	7.378	0.005	1193530	8.45	
34 2-Nitrophenol	139	7.450	7.450	0.000	333804	8.90	
35 2,4-Dimethylphenol	107	7.493	7.493	0.000	653708	8.57	
36 Benzoic acid	105	7.570	7.560	0.010	179192	7.70	
37 Bis(2-chloroethoxy)methane	93	7.570	7.570	0.000	644351	8.20	
38 2,4-Dichlorophenol	162	7.662	7.661	0.001	502178	8.51	
39 1,2,4-Trichlorobenzene	180	7.729	7.729	0.000	560012	8.16	
41 Naphthalene	128	7.796	7.796	0.000	1826930	8.33	
40 Alpha-Terpineol	59	7.806	7.806	0.000	628525	8.75	
42 4-Chloroaniline	127	7.849	7.844	0.005	766337	8.53	
43 Hexachlorobutadiene	225	7.902	7.902	0.000	321458	8.10	
44 Caprolactam	55	8.143	8.133	0.010	274799	8.35	
45 4-Chloro-3-methylphenol	107	8.263	8.258	0.005	555902	8.59	
46 2-Methylnaphthalene	142	8.388	8.387	0.001	1167686	8.21	
47 1-Methylnaphthalene	142	8.470	8.469	0.001	1132397	8.11	
48 Hexachlorocyclopentadiene	237	8.518	8.517	0.001	220797	7.28	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	459797	8.18	
50 2,4,6-Trichlorophenol	196	8.628	8.628	0.000	329407	8.58	
51 2,4,5-Trichlorophenol	196	8.662	8.657	0.005	320163	8.16	
52 1,1'-Biphenyl	154	8.777	8.777	0.000	1332110	7.99	
53 2-Chloronaphthalene	162	8.797	8.796	0.001	1253942	7.99	
54 Phenyl ether	170	8.864	8.864	0.000	727640	8.19	
68 4-Nitroaniline	138	8.883	8.883	0.000	378227	8.57	
56 Dimethyl phthalate	163	9.027	9.027	0.000	1162368	7.86	
57 2,6-Dinitrotoluene	165	9.080	9.080	0.000	273630	8.24	
58 Acenaphthylene	152	9.143	9.142	0.001	1659751	8.27	
59 3-Nitroaniline	138	9.225	9.219	0.006	286355	8.38	
61 Acenaphthene	153	9.287	9.287	0.000	1084022	7.96	
60 2,4-Dinitrophenol	184	9.311	9.311	0.000	78139	7.09	
62 4-Nitrophenol	109	9.364	9.359	0.005	205266	7.37	
63 2,4-Dinitrotoluene	165	9.417	9.417	0.000	341663	7.17	
64 Dibenzofuran	168	9.431	9.431	0.000	1373862	7.94	
65 2,3,4,6-Tetrachlorophenol	232	9.537	9.532	0.005	212105	7.73	
66 Diethyl phthalate	149	9.614	9.609	0.005	1217541	8.06	
67 4-Chlorophenyl phenyl ether	204	9.710	9.710	0.000	558085	8.13	
69 Fluorene	166	9.715	9.715	0.000	1234166	6.96	
55 2-Nitroaniline	65	9.730	9.729	0.001	316376	7.62	
70 4,6-Dinitro-2-methylphenol	198	9.758	9.753	0.005	116781	7.35	
71 Diphenylamine	169	9.811	9.811	0.000	990537	8.36	
72 N-Nitrosodiphenylamine	169	9.811	9.811	0.000	990537	8.36	
73 1,2-Diphenylhydrazine	77	9.845	9.845	0.000	2149993	8.50	
74 Azobenzene	77	9.845	9.845	0.000	2149993	8.50	
13 Benzophenone	105	9.855	9.854	0.001	1158349	8.40	
75 4-Bromophenyl phenyl ether	248	10.119	10.119	0.000	265021	8.16	
76 Hexachlorobenzene	284	10.182	10.176	0.006	231655	7.69	
77 Atrazine	200	10.249	10.248	0.001	235102	8.25	
78 Pentachlorophenol	266	10.340	10.346	-0.006	108927	7.78	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.350	10.349	0.001	143827	8.68	
80 Phenanthrene	178	10.518	10.518	0.000	1386788	7.83	
81 Anthracene	178	10.561	10.556	0.005	1381180	8.25	
83 Carbazole	167	10.691	10.691	0.000	1133017	7.80	
84 Di-n-butyl phthalate	149	10.965	10.965	0.000	1752646	7.99	
87 Fluoranthene	202	11.509	11.504	0.005	1221460	7.91	
86 Benzidine	184	11.610	11.615	-0.005	233300	7.03	
85 Pyrene	202	11.696	11.696	0.000	1271167	8.06	
89 Butyl benzyl phthalate	149	12.245	12.244	0.001	703849	8.44	
91 3,3'-Dichlorobenzidine	252	12.850	12.850	0.000	245718	8.49	
93 Benzo[a]anthracene	228	12.889	12.888	0.001	820874	7.95	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	1078310	8.77	
94 Chrysene	228	12.937	12.937	0.000	750627	7.63	
95 Di-n-octyl phthalate	149	13.971	13.970	0.001	1430328	7.80	
97 Benzo[b]fluoranthene	252	14.721	14.716	0.005	692402	7.99	
98 Benzo[k]fluoranthene	252	14.779	14.774	0.005	625413	8.12	
99 Benzo[a]pyrene	252	15.346	15.346	0.000	552397	8.20	
100 Indeno[1,2,3-cd]pyrene	276	16.832	16.827	0.005	509961	8.00	
101 Dibenz(a,h)anthracene	278	16.866	16.861	0.005	423770	7.90	
102 Benzo[g,h,i]perylene	276	17.207	17.202	0.005	430933	7.60	

Report Date: 06-Oct-2009 17:01:49 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10700.D

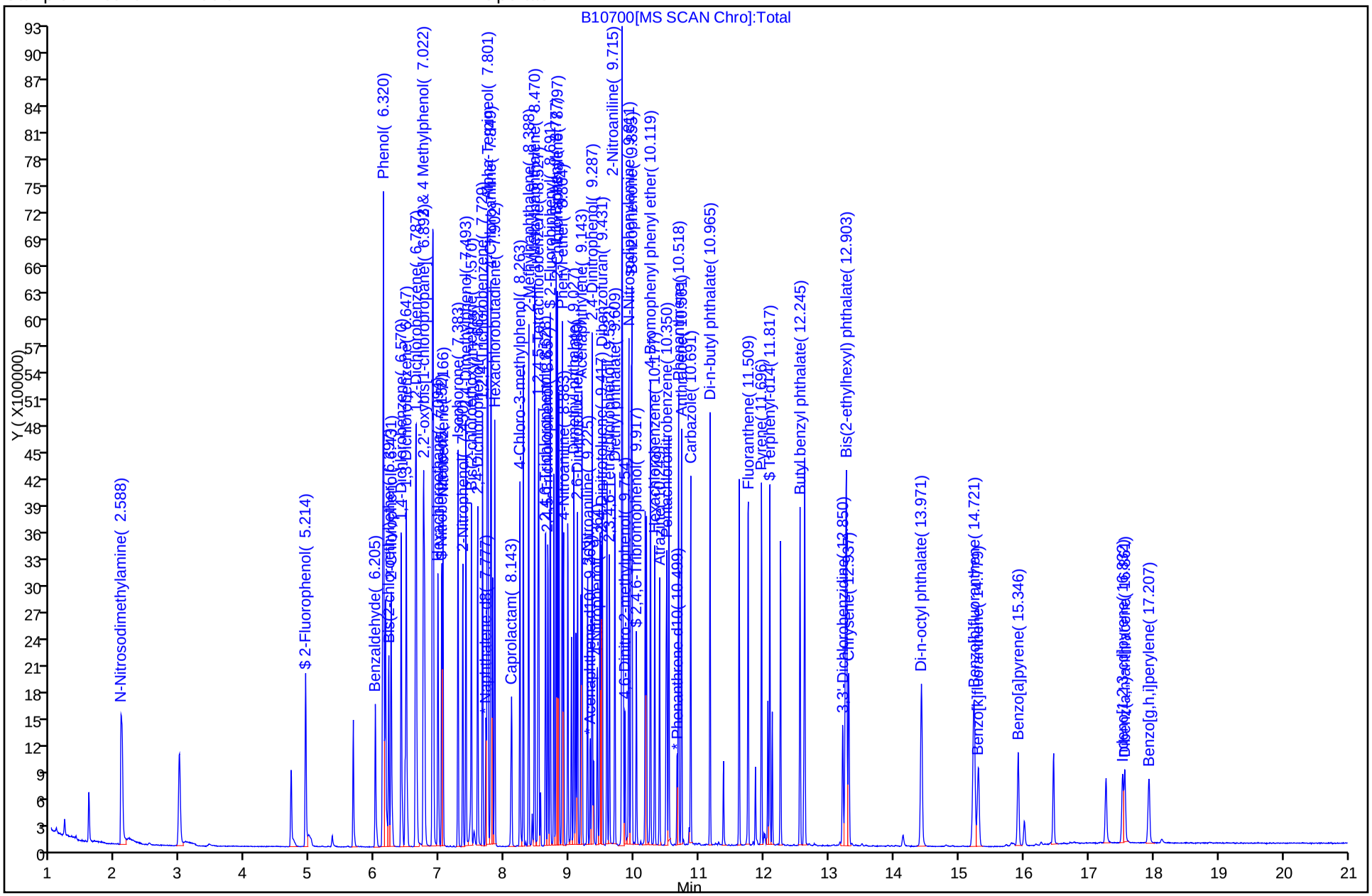
Inj Date: 03-Oct-2009 19:37:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: 8.0 ppm

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10701.D		
Lims ID:	std10	Client ID:	
Inject. Date:	03-Oct-2009 20:05:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10.0 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49824	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:44:55
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:01:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.629	6.632	-0.003	197899	2.00	
* 2 Naphthalene-d8	136	7.778	7.777	0.001	490408	2.00	
* 3 Acenaphthene-d10	164	9.264	9.263	0.001	218313	2.00	
* 4 Phenanthrene-d10	188	10.495	10.499	-0.004	345793	2.00	
* 5 Chrysene-d12	240	12.905	12.903	0.002	288129	2.00	
* 6 Perylene-d12	264	15.434	15.432	0.002	180359	2.00	
$ 7 2-Fluorophenol	112	5.215	5.218	-0.003	646385	10.7	
$ 8 Phenol-d5	99	6.312	6.310	0.002	994216	11.8	5
$ 9 Nitrobenzene-d5	82	7.153	7.147	0.006	1023172	10.6	
$ 10 2-Fluorobiphenyl	172	8.692	8.690	0.002	1815496	10.5	
$ 11 2,4,6-Tribromophenol	330	9.923	9.917	0.006	160864	11.7	5
$ 12 Terphenyl-d14	244	11.818	11.816	0.002	1213628	9.33	
14 1,4-Dioxane	88	2.138	2.155	-0.017	242421	10.3	
16 Pyridine	79	2.595	2.607	-0.012	637566	10.0	
15 N-Nitrosodimethylamine	42	2.614	2.622	-0.008	637146	10.6	
17 Benzaldehyde	105	6.206	6.209	-0.003	346190	11.2	
19 Aniline	93	6.321	6.320	0.001	1308322	12.4	5
18 Phenol	94	6.326	6.320	0.006	1242089	12.7	5
20 Bis(2-chloroethyl)ether	93	6.398	6.397	0.001	712253	10.6	
21 2-Chlorophenol	128	6.432	6.430	0.002	827918	10.9	
22 1,4-Dichlorobenzene	146	6.571	6.575	-0.004	998507	11.3	5
23 1,3-Dichlorobenzene	146	6.648	6.647	0.001	1033021	11.1	5
24 Benzyl alcohol	79	6.778	6.777	0.002	823730	10.2	
25 1,2-Dichlorobenzene	146	6.788	6.786	0.002	985456	11.7	5
26 2-Methylphenol	108	6.889	6.887	0.002	776459	11.6	5
27 2,2'-oxybis[1-chloropropane]	45	6.903	6.906	-0.003	1382849	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.019	7.017	0.002	1243074	12.3	5
29 N-Nitrosodi-n-propylamine	70	7.028	7.022	0.006	705909	12.7	5
28 3 & 4 Methylphenol	108	7.033	7.031	0.002	871957	12.5	5
31 Hexachloroethane	117	7.096	7.094	0.002	420400	11.4	5
32 Nitrobenzene	77	7.168	7.166	0.002	1008867	10.3	
33 Isophorone	82	7.384	7.378	0.006	1618277	10.5	
34 2-Nitrophenol	139	7.451	7.450	0.001	452217	11.1	
35 2,4-Dimethylphenol	107	7.495	7.493	0.002	911746	11.0	
36 Benzoic acid	105	7.586	7.560	0.026	319799	10.7	M
37 Bis(2-chloroethoxy)methane	93	7.572	7.570	0.002	899202	10.5	
38 2,4-Dichlorophenol	162	7.663	7.661	0.002	694175	10.8	
39 1,2,4-Trichlorobenzene	180	7.730	7.729	0.001	773867	10.3	
41 Naphthalene	128	7.798	7.796	0.002	2531536	10.6	
40 Alpha-Terpineol	59	7.807	7.806	0.001	868182	11.1	
42 4-Chloroaniline	127	7.851	7.844	0.007	1071057	10.9	
43 Hexachlorobutadiene	225	7.904	7.902	0.002	448545	10.4	
44 Caprolactam	55	8.154	8.133	0.021	379073	10.5	
45 4-Chloro-3-methylphenol	107	8.264	8.258	0.006	770916	10.9	
46 2-Methylnaphthalene	142	8.389	8.387	0.002	1669658	10.8	
47 1-Methylnaphthalene	142	8.471	8.469	0.002	1628600	10.7	
48 Hexachlorocyclopentadiene	237	8.519	8.517	0.002	311109	9.32	
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.527	0.002	672677	11.0	
50 2,4,6-Trichlorophenol	196	8.630	8.628	0.002	447251	10.8	
51 2,4,5-Trichlorophenol	196	8.663	8.657	0.006	469866	11.1	
52 1,1'-Biphenyl	154	8.779	8.777	0.002	1884300	10.4	
53 2-Chloronaphthalene	162	8.798	8.796	0.002	1806022	10.6	
54 Phenyl ether	170	8.865	8.864	0.001	1024800	10.6	
68 4-Nitroaniline	138	8.885	8.883	0.001	532356	11.2	
56 Dimethyl phthalate	163	9.034	9.027	0.007	1670483	10.4	
57 2,6-Dinitrotoluene	165	9.082	9.080	0.002	383402	10.7	
58 Acenaphthylene	152	9.144	9.142	0.002	2341631	10.8	
59 3-Nitroaniline	138	9.226	9.219	0.007	398300	10.8	
61 Acenaphthene	153	9.288	9.287	0.001	1580691	10.7	
60 2,4-Dinitrophenol	184	9.312	9.311	0.001	122730	9.55	
62 4-Nitrophenol	109	9.365	9.359	0.006	303223	9.99	
63 2,4-Dinitrotoluene	165	9.418	9.417	0.001	500529	9.68	
64 Dibenzofuran	168	9.433	9.431	0.002	2006573	10.7	
65 2,3,4,6-Tetrachlorophenol	232	9.539	9.532	0.006	317351	10.7	5
66 Diethyl phthalate	149	9.611	9.609	0.002	1762573	10.8	
67 4-Chlorophenyl phenyl ether	204	9.712	9.710	0.002	819658	11.0	
69 Fluorene	166	9.716	9.715	0.001	1855331	9.45	
55 2-Nitroaniline	65	9.736	9.729	0.007	457594	10.2	
70 4,6-Dinitro-2-methylphenol	198	9.760	9.753	0.007	179687	9.64	
71 Diphenylamine	169	9.813	9.811	0.002	1421547	10.4	
72 N-Nitrosodiphenylamine	169	9.813	9.811	0.002	1421547	10.4	
73 1,2-Diphenylhydrazine	77	9.846	9.845	0.001	3092723	10.6	
74 Azobenzene	77	9.846	9.845	0.001	3092723	10.6	
13 Benzophenone	105	9.856	9.854	0.002	1668644	10.5	
75 4-Bromophenyl phenyl ether	248	10.120	10.119	0.001	389615	10.4	
76 Hexachlorobenzene	284	10.178	10.176	0.002	350486	10.1	
77 Atrazine	200	10.250	10.248	0.002	343900	10.5	
78 Pentachlorophenol	266	10.342	10.346	-0.004	177102	10.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.351	10.349	0.002	213270	11.1	
80 Phenanthrene	178	10.520	10.518	0.002	2102338	10.3	
81 Anthracene	178	10.563	10.556	0.007	2075400	10.7	
83 Carbazole	167	10.693	10.691	0.002	1691769	10.1	
84 Di-n-butyl phthalate	149	10.967	10.965	0.002	2696481	10.6	
87 Fluoranthene	202	11.510	11.504	0.006	1930988	10.8	
86 Benzidine	184	11.611	11.615	-0.004	418602	10.9	
85 Pyrene	202	11.698	11.696	0.002	2023065	9.28	
89 Butyl benzyl phthalate	149	12.246	12.244	0.002	1119658	9.72	
91 3,3'-Dichlorobenzidine	252	12.852	12.850	0.002	400695	10.0	
93 Benzo[a]anthracene	228	12.890	12.888	0.002	1399151	9.81	
92 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	1700747	10.0	
94 Chrysene	228	12.938	12.937	0.001	1249243	9.19	
95 Di-n-octyl phthalate	149	13.972	13.970	0.002	2308908	9.52	
97 Benzo[b]fluoranthene	252	14.732	14.716	0.016	1182417	10.3	
98 Benzo[k]fluoranthene	252	14.785	14.774	0.011	1046243	10.3	
99 Benzo[a]pyrene	252	15.352	15.346	0.006	932128	10.5	
100 Indeno[1,2,3-cd]pyrene	276	16.838	16.827	0.011	883761	10.5	
101 Dibenz(a,h)anthracene	278	16.867	16.861	0.006	717043	10.1	
102 Benzo[g,h,i]perylene	276	17.213	17.202	0.011	731239	9.78	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 06-Oct-2009 17:01:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10701.D

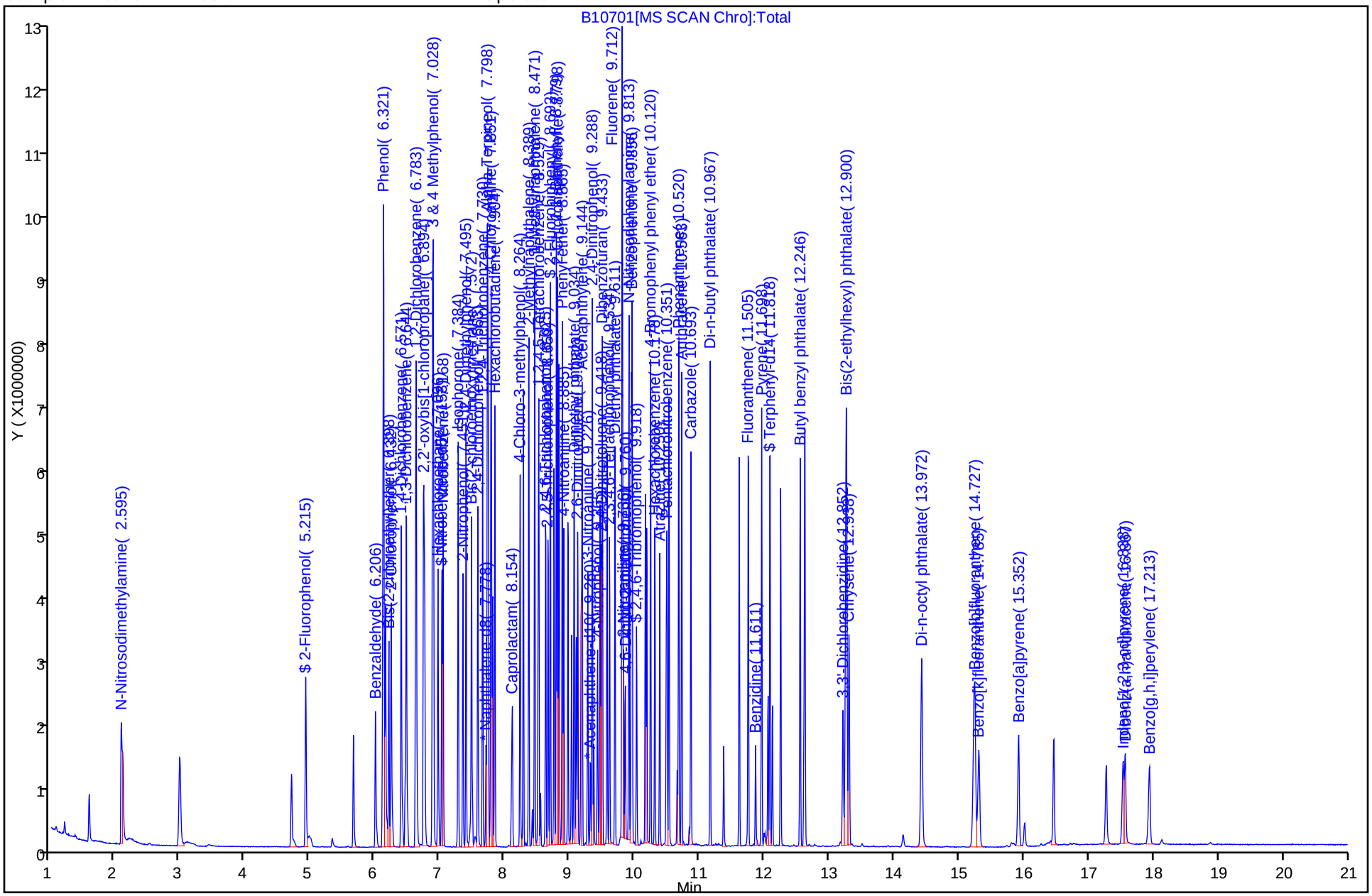
Inj Date: 03-Oct-2009 20:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: 10.0 ppm

Sample Amount: 1.00 ul Operator: MZ



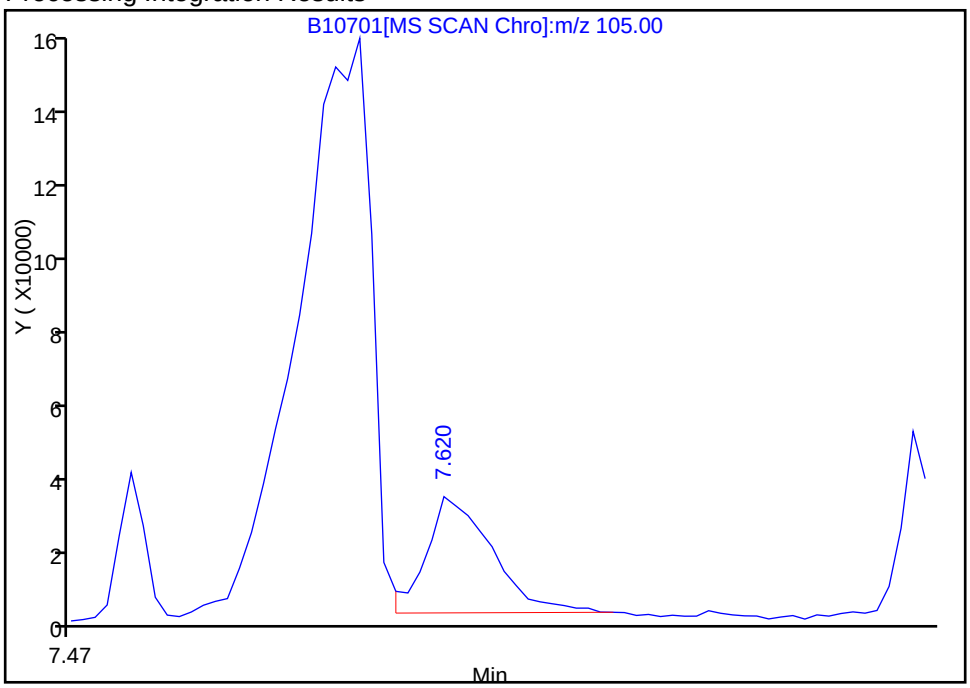
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10701.D		
Inj Date:	03-Oct-2009 20:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	10.0 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.56

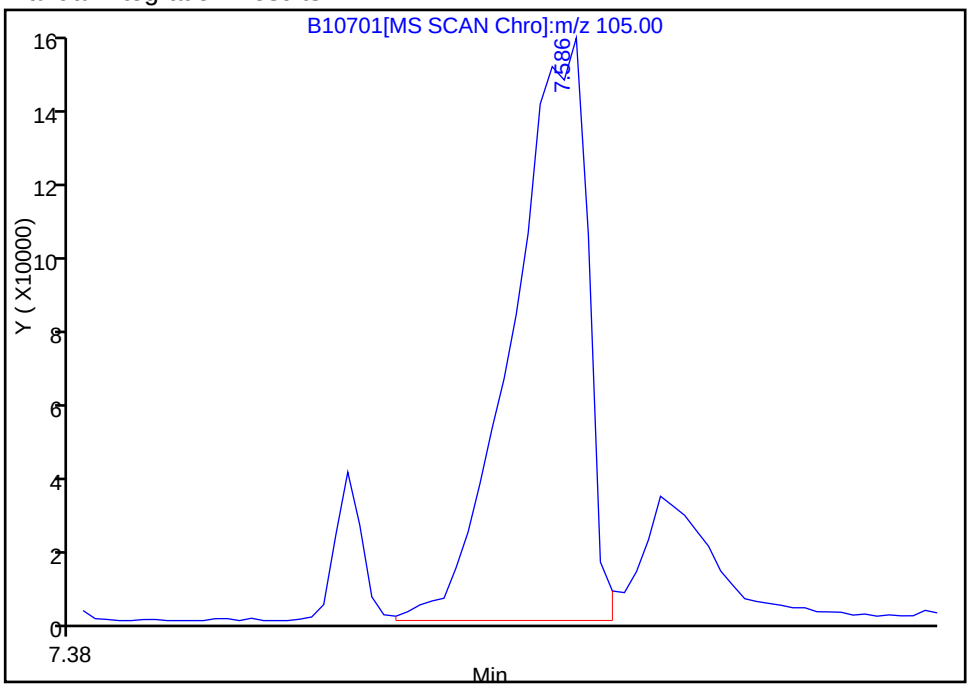
Processing Integration Results

RT: 7.62
Response: 57171
Amount: 5.232687



Manual Integration Results

RT: 7.59
Response: 319799
Amount: 10.735030



Reviewer: sullivanp, 05-Oct-2009 13:44:55
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Lims ID:	std20	Client ID:	
Inject. Date:	03-Oct-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20.0 ppm		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49824	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:02:03	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:50:02
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:02:03

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.632	6.632	0.000	173118	2.00	
* 2 Naphthalene-d8	136	7.782	7.777	0.005	470831	2.00	
* 3 Acenaphthene-d10	164	9.263	9.263	0.000	200850	2.00	
* 4 Phenanthrene-d10	188	10.499	10.499	0.000	317922	2.00	
* 5 Chrysene-d12	240	12.908	12.903	0.005	309257	2.00	
* 6 Perylene-d12	264	15.437	15.432	0.005	158991	2.00	
$ 7 2-Fluorophenol	112	5.219	5.218	0.000	1276037	24.2	5
$ 8 Phenol-d5	99	6.320	6.310	0.010	2147296	29.2	5
$ 9 Nitrobenzene-d5	82	7.156	7.147	0.009	2023786	21.7	5
$ 10 2-Fluorobiphenyl	172	8.695	8.690	0.005	3745134	23.6	5
$ 11 2,4,6-Tribromophenol	330	9.926	9.917	0.009	363318	28.8	5
$ 12 Terphenyl-d14	244	11.816	11.816	0.000	2598133	18.6	
14 1,4-Dioxane	88	2.126	2.155	-0.029	437823	21.4	5
16 Pyridine	79	2.583	2.607	-0.024	1213489	21.7	5
15 N-Nitrosodimethylamine	42	2.617	2.622	-0.005	1191099	22.7	5
17 Benzaldehyde	105	6.209	6.209	0.000	665334	24.5	5
19 Aniline	93	6.325	6.320	0.005	2853421	30.9	5
18 Phenol	94	6.329	6.320	0.009	2674183	31.3	5
20 Bis(2-chloroethyl)ether	93	6.401	6.397	0.004	1452592	24.8	5
21 2-Chlorophenol	128	6.435	6.430	0.005	1649945	24.9	5
22 1,4-Dichlorobenzene	146	6.575	6.575	0.000	2004975	26.0	5
23 1,3-Dichlorobenzene	146	6.647	6.647	0.000	2093871	25.7	5
24 Benzyl alcohol	79	6.786	6.777	0.010	1829096	20.0	
25 1,2-Dichlorobenzene	146	6.791	6.786	0.005	2116542	28.6	5
26 2-Methylphenol	108	6.892	6.887	0.005	1595450	27.2	5
27 2,2'-oxybis[1-chloropropane]	45	6.906	6.906	0.000	2780543	24.8	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.022	7.017	0.005	2564236	29.0	5
29 N-Nitrosodi-n-propylamine	70	7.036	7.022	0.014	1516902	31.3	5
28 3 & 4 Methylphenol	108	7.036	7.031	0.005	1936086	31.6	5
31 Hexachloroethane	117	7.094	7.094	0.000	857935	26.6	5
32 Nitrobenzene	77	7.176	7.166	0.010	2032371	21.7	5
33 Isophorone	82	7.387	7.378	0.009	3288326	22.2	5
34 2-Nitrophenol	139	7.455	7.450	0.005	929311	23.7	5
35 2,4-Dimethylphenol	107	7.498	7.493	0.005	1891133	23.7	5
36 Benzoic acid	105	7.623	7.560	0.063	795462	19.9	M
37 Bis(2-chloroethoxy)methane	93	7.575	7.570	0.005	1837257	22.3	5
38 2,4-Dichlorophenol	162	7.666	7.661	0.005	1445069	23.4	5
39 1,2,4-Trichlorobenzene	180	7.734	7.729	0.005	1623686	22.6	5
41 Naphthalene	128	7.801	7.796	0.005	4947922	21.5	5
40 Alpha-Terpineol	59	7.815	7.806	0.009	1784759	23.7	5
42 4-Chloroaniline	127	7.854	7.844	0.010	2315916	24.6	5
43 Hexachlorobutadiene	225	7.907	7.902	0.005	955844	23.0	5
44 Caprolactam	55	8.176	8.133	0.043	718959	20.8	5
45 4-Chloro-3-methylphenol	107	8.272	8.258	0.014	1589429	23.4	5
46 2-Methylnaphthalene	142	8.392	8.387	0.005	3409990	22.9	5
47 1-Methylnaphthalene	142	8.474	8.469	0.005	3354576	22.9	5
48 Hexachlorocyclopentadiene	237	8.522	8.517	0.005	658327	20.8	5
49 1,2,4,5-Tetrachlorobenzene	216	8.532	8.527	0.005	1436793	24.4	5
50 2,4,6-Trichlorophenol	196	8.633	8.628	0.005	933500	24.4	5
51 2,4,5-Trichlorophenol	196	8.666	8.657	0.009	918947	23.5	5
52 1,1'-Biphenyl	154	8.782	8.777	0.005	3849625	23.2	5
53 2-Chloronaphthalene	162	8.801	8.796	0.005	3774881	24.2	5
54 Phenyl ether	170	8.868	8.864	0.004	2155939	23.1	5
68 4-Nitroaniline	138	8.888	8.883	0.005	1074824	24.5	5
56 Dimethyl phthalate	163	9.037	9.027	0.010	3393118	23.1	5
57 2,6-Dinitrotoluene	165	9.090	9.080	0.010	774470	23.5	5
58 Acenaphthylene	152	9.152	9.142	0.010	4765136	23.9	5
59 3-Nitroaniline	138	9.234	9.219	0.015	778638	22.9	5
61 Acenaphthene	153	9.296	9.287	0.009	3261983	24.1	5
60 2,4-Dinitrophenol	184	9.316	9.311	0.005	270767	20.6	5
62 4-Nitrophenol	109	9.373	9.359	0.014	598165	21.2	5
63 2,4-Dinitrotoluene	165	9.426	9.417	0.009	1056494	22.1	5
64 Dibenzofuran	168	9.436	9.431	0.005	4111469	23.9	5
65 2,3,4,6-Tetrachlorophenol	232	9.542	9.532	0.010	683314	24.8	5
66 Diethyl phthalate	149	9.619	9.609	0.010	3513261	23.4	5
67 4-Chlorophenyl phenyl ether	204	9.715	9.710	0.005	1837430	26.9	5
69 Fluorene	166	9.720	9.715	0.005	3891094	20.8	5
55 2-Nitroaniline	65	9.744	9.729	0.015	887977	21.5	5
70 4,6-Dinitro-2-methylphenol	198	9.768	9.753	0.015	381189	21.6	5
71 Diphenylamine	169	9.816	9.811	0.005	2937294	23.3	5
72 N-Nitrosodiphenylamine	169	9.816	9.811	0.005	2937294	23.3	5
73 1,2-Diphenylhydrazine	77	9.849	9.845	0.004	6145208	22.9	5
74 Azobenzene	77	9.849	9.845	0.004	6145208	22.9	5
13 Benzophenone	105	9.859	9.854	0.005	3501005	23.9	5
75 4-Bromophenyl phenyl ether	248	10.123	10.119	0.004	863294	25.0	5
76 Hexachlorobenzene	284	10.186	10.176	0.010	764874	23.9	5
77 Atrazine	200	10.253	10.248	0.005	691889	22.9	5
78 Pentachlorophenol	266	10.345	10.340	0.005	418305	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	10.354	10.349	0.005	452875	25.7	5
80 Phenanthrene	178	10.523	10.518	0.005	4308147	22.9	5
81 Anthracene	178	10.566	10.556	0.010	4184751	23.5	5
83 Carbazole	167	10.696	10.691	0.005	3268835	21.2	5
84 Di-n-butyl phthalate	149	10.970	10.965	0.005	5042272	21.7	5
87 Fluoranthene	202	11.508	11.504	0.004	3909337	23.8	5
86 Benzidine	184	11.614	11.609	0.005	825325	23.4	5
85 Pyrene	202	11.701	11.696	0.005	4068852	17.4	
89 Butyl benzyl phthalate	149	12.249	12.244	0.005	2299117	18.6	
91 3,3'-Dichlorobenzidine	252	12.860	12.850	0.010	793316	18.5	
93 Benzo[a]anthracene	228	12.898	12.888	0.010	2954842	19.3	
92 Bis(2-ethylhexyl) phthalate	149	12.908	12.903	0.005	3544933	19.5	
94 Chrysene	228	12.946	12.937	0.009	2492711	17.1	5
95 Di-n-octyl phthalate	149	13.980	13.970	0.010	4659577	21.7	5
97 Benzo[b]fluoranthene	252	14.745	14.716	0.029	2286005	22.7	5
98 Benzo[k]fluoranthene	252	14.802	14.774	0.028	1989136	22.2	5
99 Benzo[a]pyrene	252	15.360	15.346	0.014	1739600	22.2	5
100 Indeno[1,2,3-cd]pyrene	276	16.846	16.827	0.019	1599776	21.6	5
101 Dibenz(a,h)anthracene	278	16.875	16.861	0.014	1324411	21.2	5
102 Benzo[g,h,i]perylene	276	17.221	17.202	0.019	1289397	19.6	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 06-Oct-2009 17:02:04 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D

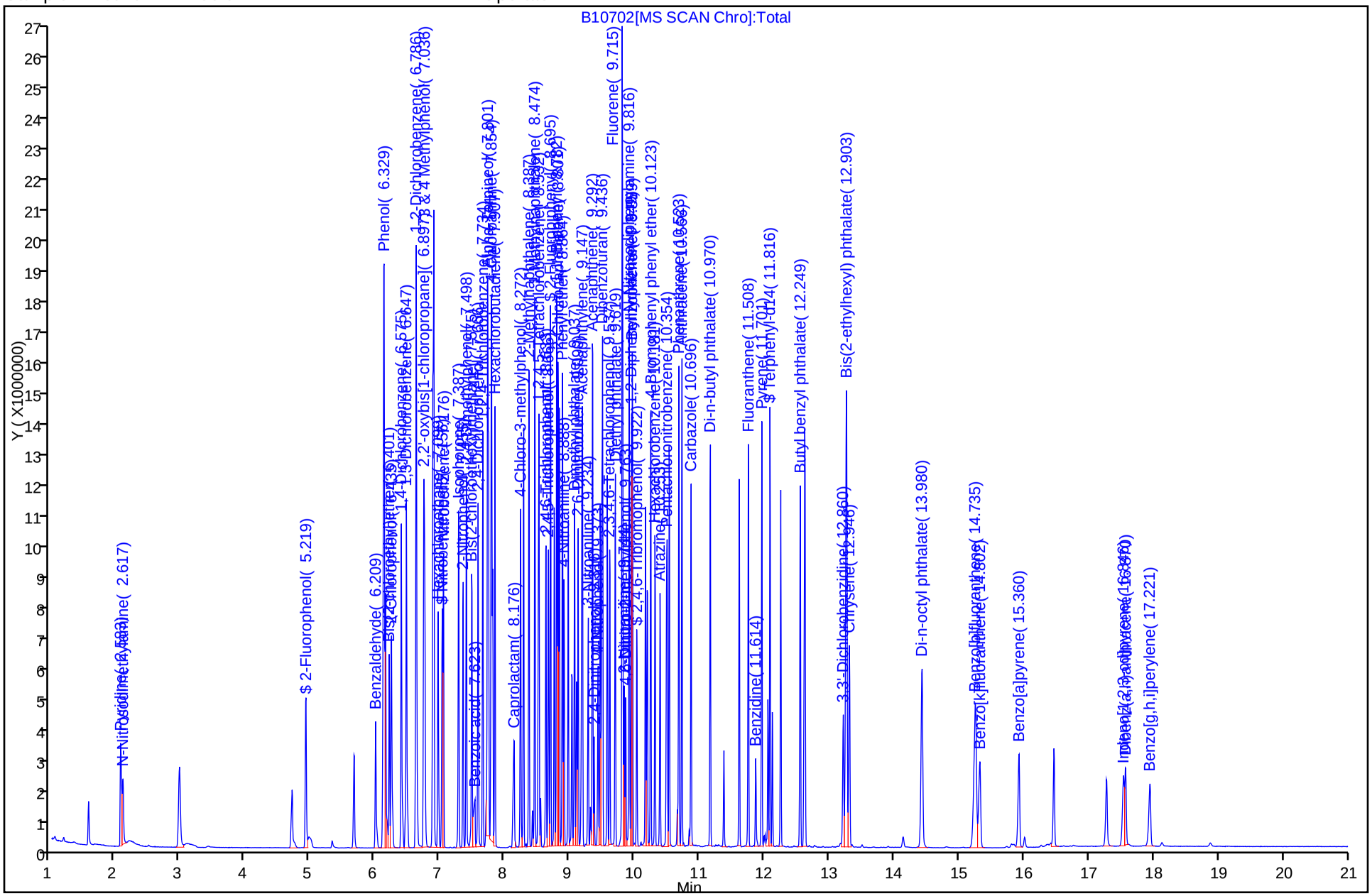
Inj Date: 03-Oct-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49824 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: 20.0 ppm

Sample Amount: 1.00 ul Operator: MZ



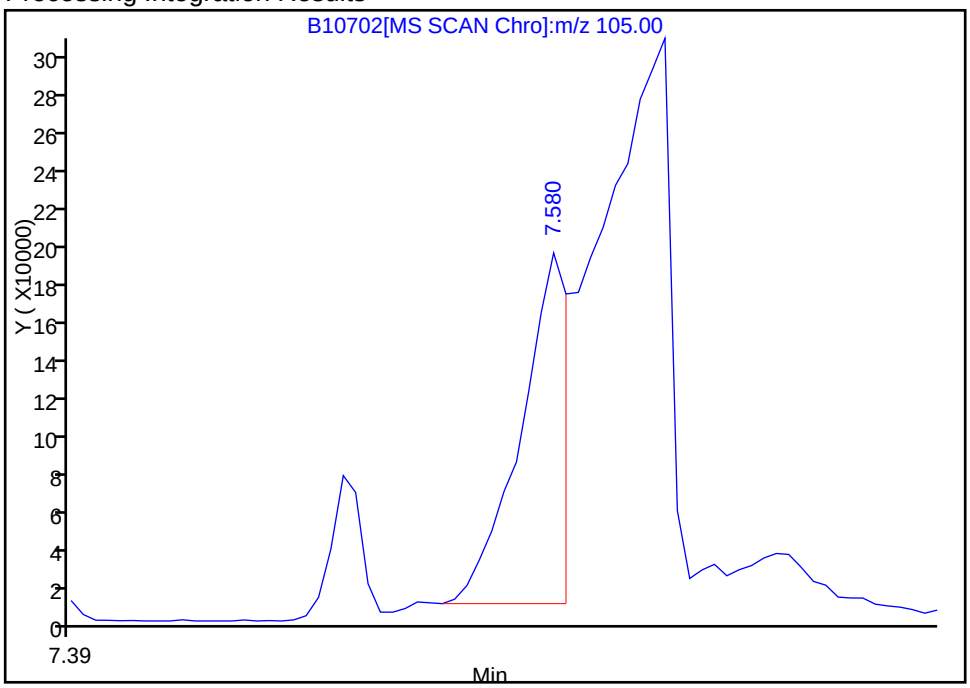
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Inj Date:	03-Oct-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.56

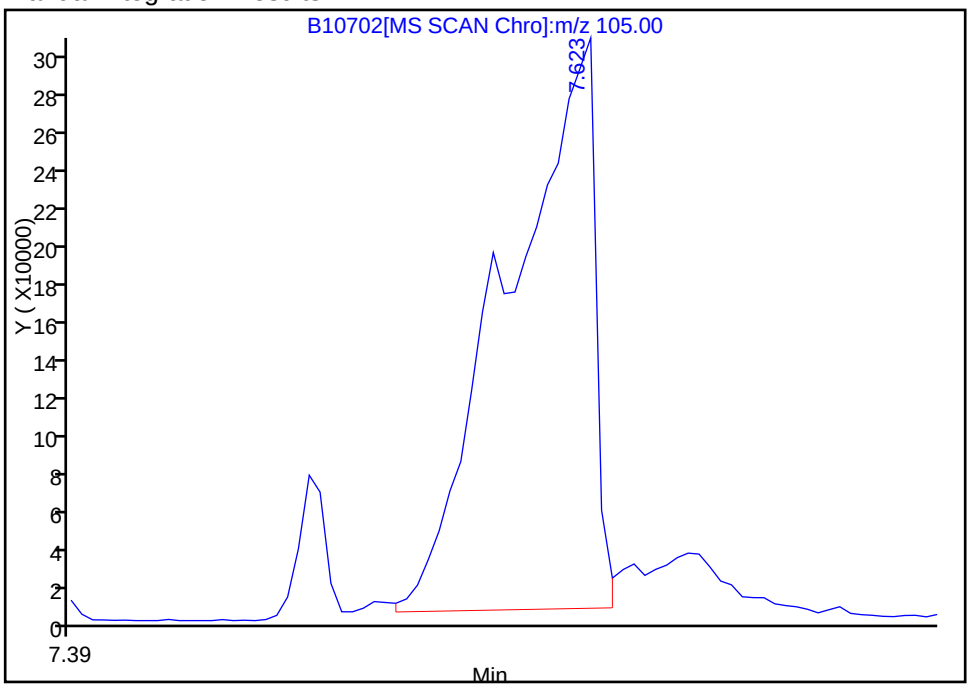
Processing Integration Results

RT: 7.58
Response: 233323
Amount: 16.362375



Manual Integration Results

RT: 7.62
Response: 795462
Amount: 19.931359



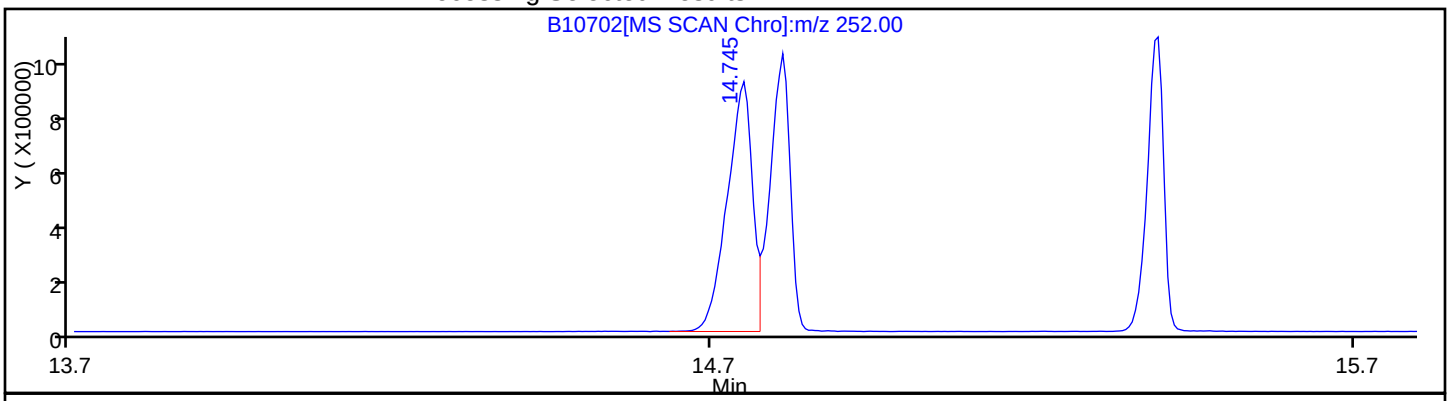
Reviewer: sullivanp, 05-Oct-2009 13:50:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

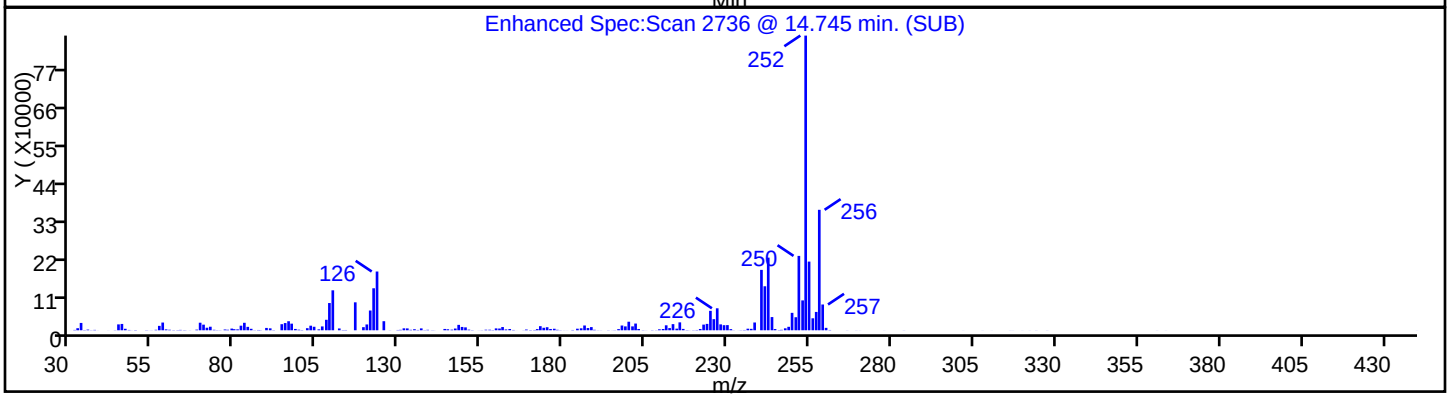
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Inj Date:	03-Oct-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

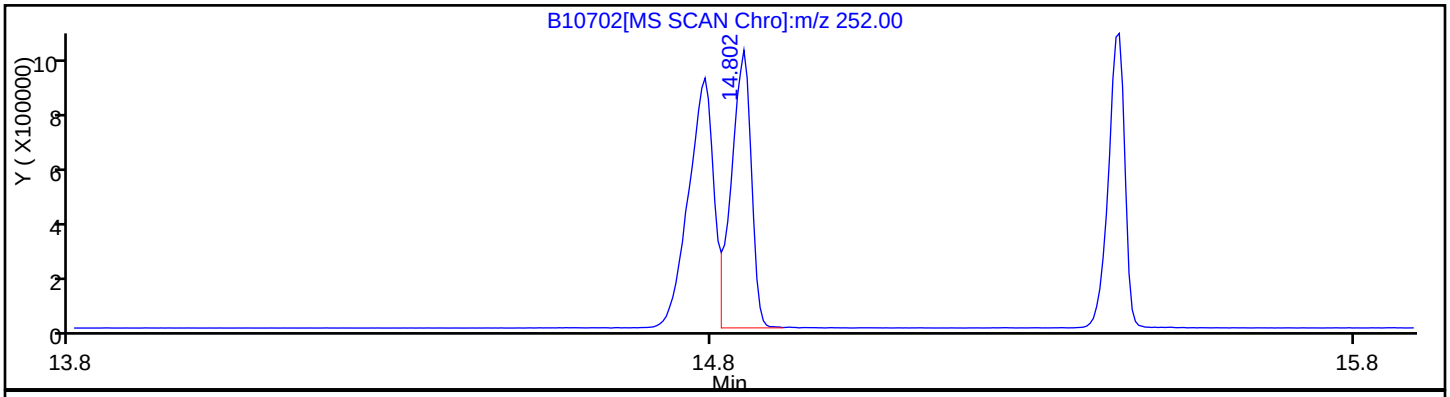
98 Benzo[k]fluoranthene

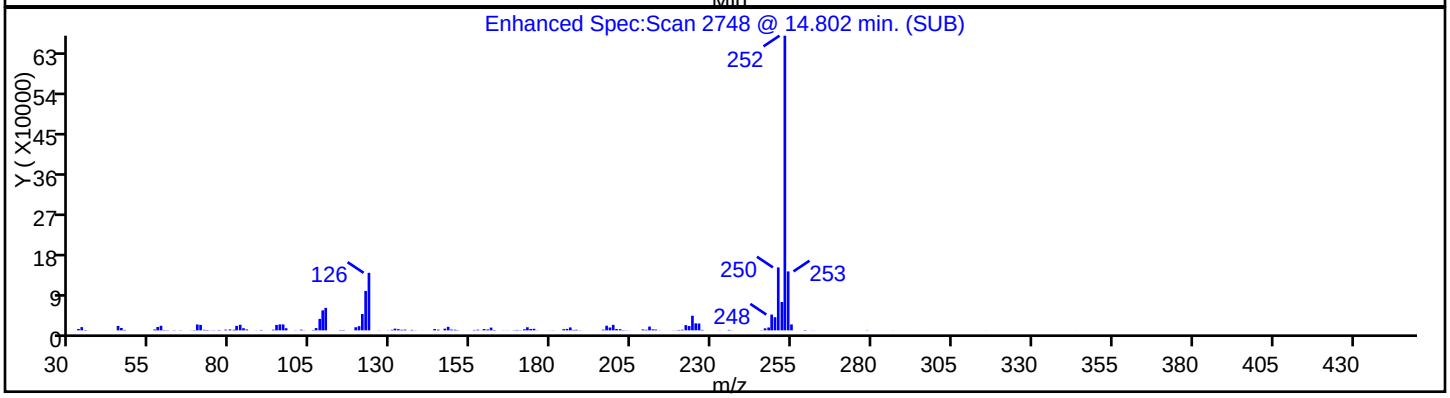
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 13:50:02
Audit Action: Selected Alternate Hit
Audit Reason:

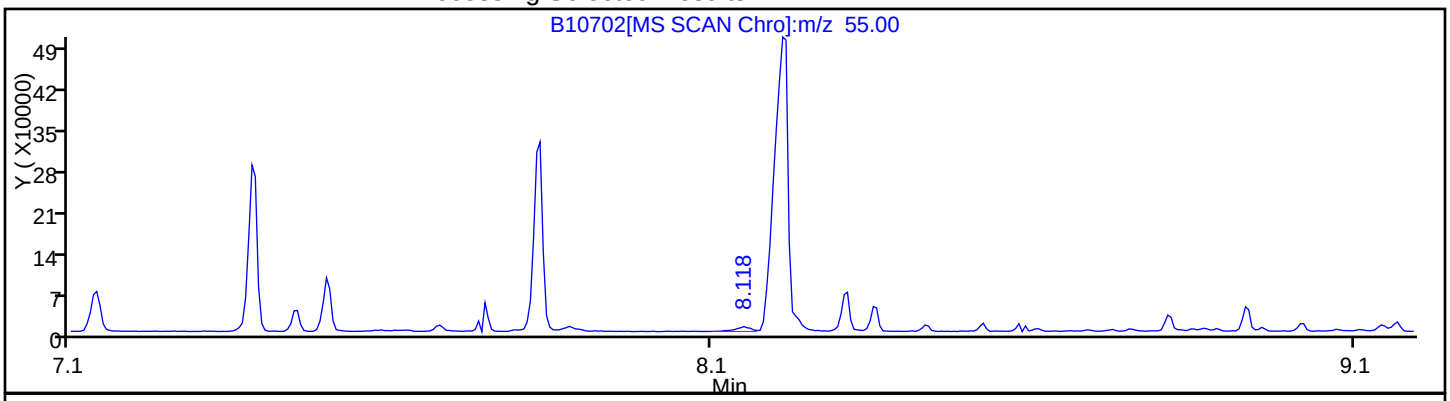
Chrom Revision: 1.1 01-Oct-2009 08:19:20

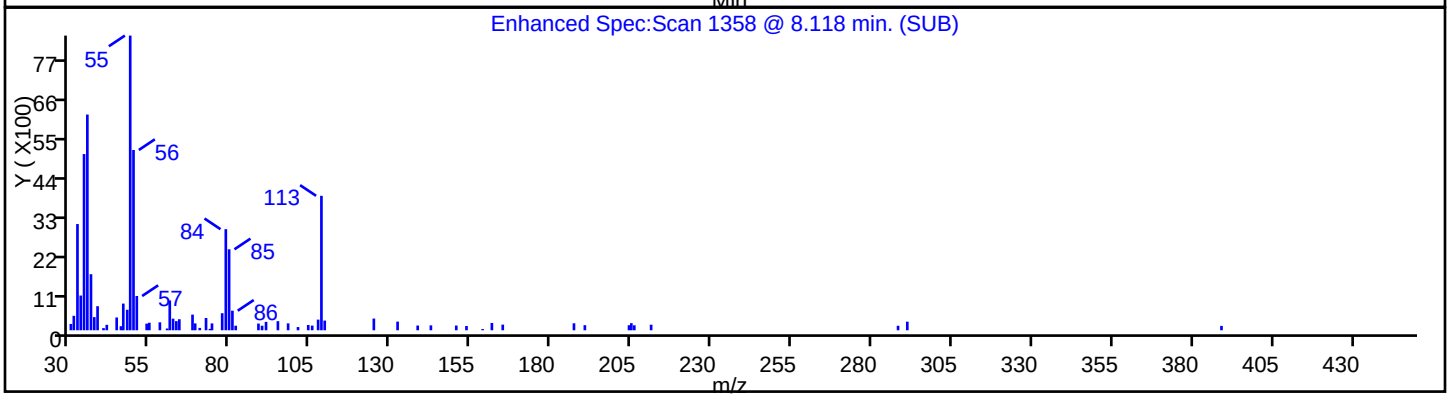
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Inj Date:	03-Oct-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ppm		
Sample Amount:	1.00 ul	Operator:	MZ

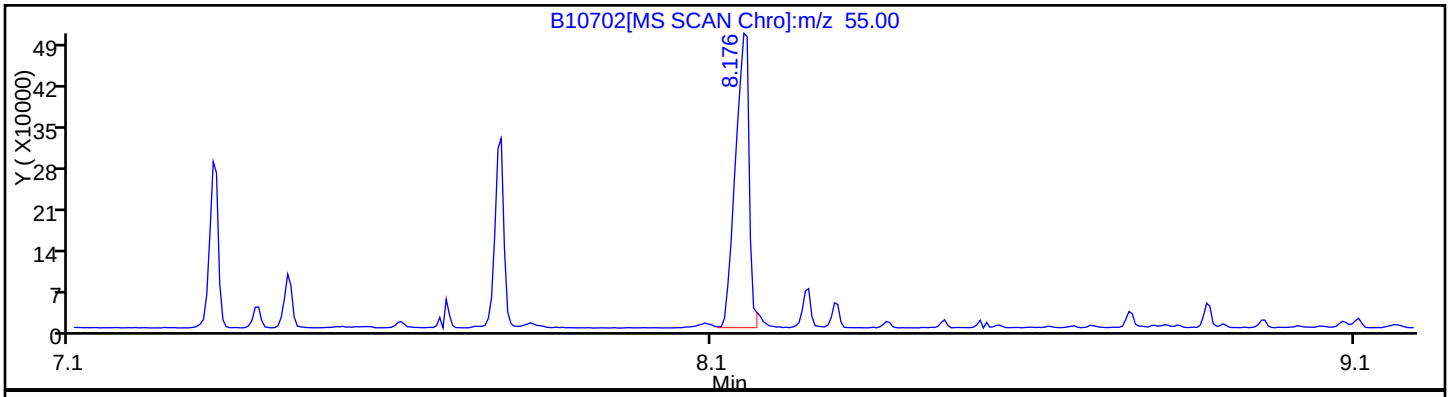
44 Caprolactam

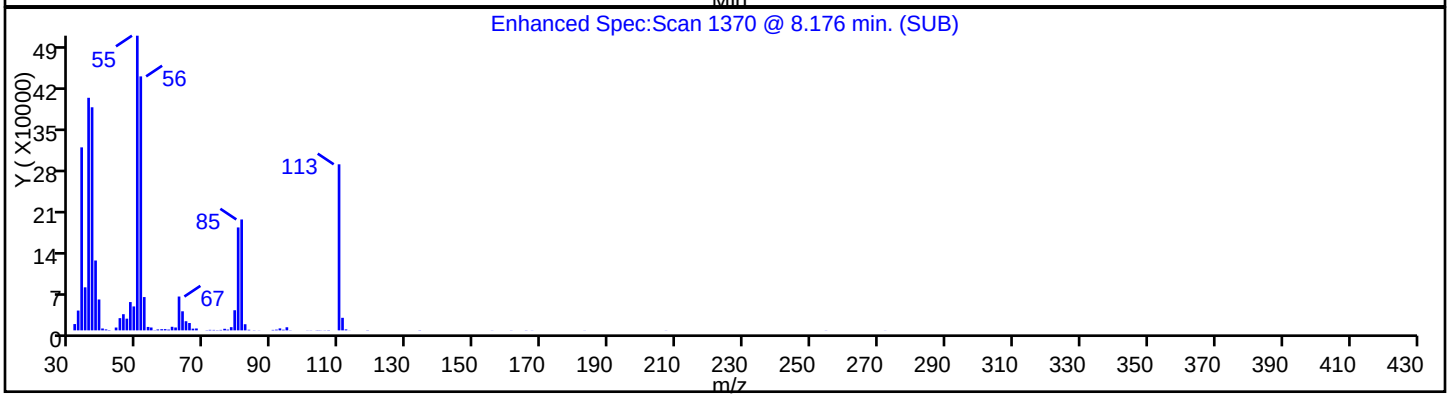
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 13:50:02

Audit Action: Selected Alternate Hit

Audit Reason:

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49396/3	J03092.D
Level 2	STD025 360-49396/4	J03093.D
Level 3	STD05 360-49396/5	J03094.D
Level 4	STD1 360-49396/6	J03095.D
Level 5	STD25 360-49396/7	J03096.D
Level 6	STD5 360-49396/2	J03091.D
Level 7	STD8 360-49396/8	J03097.D
Level 8	STD10 360-49396/9	J03098.D
Level 9	STD20 360-49396/10	J03099.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	0.6721 0.2368	0.4334 0.2250	0.3691 0.2546	0.3106 0.2770	0.2926	Lin2	0.0424	0.2570							0.9910		0.9900
Pyridine	0.6825 0.6289	0.6933 0.5887	0.6385 0.6790	0.7085 0.7420	0.7193	Ave		0.6756				7.2		15.0			
N-Nitrosodimethylamine	0.3777 0.3207	0.3453 0.3026	0.3641 0.3449	0.3634 0.3845	0.3637	Ave		0.3519				7.6		15.0			
Benzoic acid	+++++ 0.1077	+++++ 0.0727	0.0136 0.0586	0.0356 0.1208	0.0296	Qua	0.0102	0.0158	0.0052						0.9950		0.9900
2,4-Dinitrophenol	+++++ 0.0639	+++++ 0.0476	+++++ 0.0467	0.0173 0.0803	0.0166	Qua	-0.014	0.0209	0.0030	*	0.0500				0.9990		0.9900
Benzaldehyde	0.4770 0.3889	0.4220 0.3643	0.4235 0.4226	0.4283 0.4477	0.4383	Ave		0.4236				7.6		15.0			
Phenol	0.8394 0.7411	0.8378 0.7106	0.8533 0.8100	0.8645 0.8725	0.8569	Ave		0.8207				7.0		15.0			
Aniline	0.9568 0.8803	0.9553 0.8385	0.9450 0.9788	0.9512 1.0655	1.0073	Ave		0.9532				6.9		15.0			
Bis(2-chloroethyl)ether	0.7921 0.5981	0.7060 0.5753	0.7409 0.6442	0.7145 0.6887	0.7100	Ave		0.6855				10.0		15.0			
2-Chlorophenol	0.6525 0.5996	0.6720 0.5790	0.6509 0.6547	0.6763 0.7156	0.6979	Ave		0.6554				6.6		15.0			
1,4-Dichlorobenzene	0.8572 0.6654	0.8481 0.6425	0.8191 0.7355	0.8142 0.7899	0.8006	Ave		0.7747				10.0		15.0			
1,3-Dichlorobenzene	0.9153 0.6846	0.8701 0.6581	0.8524 0.7537	0.8479 0.8079	0.8191	Ave		0.8010				11.0		15.0			
Benzyl alcohol	0.5662 0.5037	0.5124 0.4793	0.4934 0.5479	0.4992 0.6194	0.5582	Ave		0.5311				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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-Dichlorobenzene	0.9018 0.6335	0.8485 0.6076	0.8203 0.6934	0.7861 0.7323	0.7613	Ave		0.7539				13.0		15.0			
2-Methylphenol	0.6154 0.5455	0.5680 0.5219	0.5933 0.6010	0.5991 0.6508	0.6272	Ave		0.5914				6.8		15.0			
2,2'-oxybis[1-chloropropane]	0.7426 0.5864	0.7015 0.5465	0.7138 0.6245	0.6734 0.6832	0.6630	Ave		0.6595				9.5		15.0			
3 & 4 Methylphenol	0.6215 0.5732	0.6213 0.5448	0.5973 0.6212	0.6233 0.6770	0.6482	Ave		0.6142				6.3		15.0			
N-Nitrosodi-n-propylamine	0.4516 0.4251	0.4240 0.3993	0.4289 0.4552	0.4413 0.5055	0.4683	Ave		0.4443			0.0500	6.9		15.0			
Acetophenone	0.8952 0.7772	0.9128 0.7418	0.8977 0.8500	0.8883 0.9139	0.9120	Ave		0.8654				7.4		15.0			
Hexachloroethane	0.2847 0.2509	0.2677 0.2421	0.2752 0.2710	0.2775 0.3054	0.2842	Ave		0.2732				6.9		15.0			
Nitrobenzene	0.2983 0.3151	0.2825 0.3370	0.2949 0.3311	0.3124 0.3323	0.3343	Ave		0.3153				6.3		15.0			
Isophorone	0.4506 0.5527	0.4512 0.5908	0.4564 0.5868	0.4989 0.5802	0.5661	Ave		0.5260				12.0		15.0			
2,4-Dimethylphenol	0.2572 0.2840	0.2599 0.2942	0.2474 0.2877	0.2672 0.2886	0.2937	Ave		0.2755				6.4		15.0			
2-Nitrophenol	0.0997 0.1586	0.1046 0.1710	0.1050 0.1602	0.1280 0.1663	0.1435	Lin1	-0.014	0.1644							0.9970		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0719	+++++ 0.0508	0.0149 0.0479	0.0253 0.0764	0.0213	Qua	-0.010	0.0272	0.0025						0.9980		0.9900
Bis(2-chloroethoxy)methane	0.3507 0.3275	0.3385 0.3518	0.3301 0.3459	0.3331 0.3391	0.3535	Ave		0.3411				2.9		15.0			
2,4-Dichlorophenol	0.1808 0.2207	0.1861 0.2402	0.1940 0.2390	0.2100 0.2348	0.2355	Ave		0.2157				11.0		15.0			
1,2,4-Trichlorobenzene	0.2909 0.2558	0.2797 0.2757	0.2759 0.2701	0.2779 0.2577	0.2856	Ave		0.2744				4.2		15.0			
Alpha-Terpineol	0.1805 0.1993	0.1687 0.2152	0.1741 0.2121	0.1820 0.2130	0.2074	Ave		0.1947				9.4		15.0			
Naphthalene	0.9667 0.8538	0.9178 0.9044	0.9020 0.8950	0.9169 0.8567	0.9518	Ave		0.9072				4.1		15.0			
4-Chloroaniline	0.3184 0.3242	0.2978 0.3574	0.3114 0.3659	0.3176 0.3634	0.3572	Ave		0.3348				7.8		15.0			
Hexachlorobutadiene	0.1512 0.1373	0.1485 0.1463	0.1352 0.1469	0.1444 0.1387	0.1561	Ave		0.1449				4.7		15.0			
Caprolactam	0.0648 0.0826	0.0460 0.0884	0.0474 0.0891	0.0542 0.0932	0.0734	Lin1	-0.009	0.0895							0.9930		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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	0.1901 0.2439	0.2012 0.2603	0.1941 0.2568	0.2161 0.2610	0.2487	Ave		0.2303				13.0		15.0			
2-Methylnaphthalene	0.6018 0.5370	0.5767 0.5722	0.5512 0.5712	0.5692 0.5472	0.5964	Ave		0.5692				3.8		15.0			
1-Methylnaphthalene	0.5842 0.5344	0.5801 0.5624	0.5561 0.5564	0.5495 0.5366	0.5805	Ave		0.5600				3.3		15.0			
1,2,4,5-Tetrachlorobenzene	0.2285 0.2102	0.2231 0.2180	0.2187 0.2196	0.2232 0.2030	0.2275	Ave		0.2191				3.7		15.0			
Hexachlorocyclopentadiene	0.1578 0.2233	0.1663 0.1941	0.1635 0.1812	0.1707 0.2045	0.1611	Ave		0.1803			0.0500	13.0		15.0			
2,4,6-Trichlorophenol	0.2281 0.3086	0.2356 0.3382	0.2478 0.3206	0.2730 0.3261	0.3289	Ave		0.2897				15.0		15.0			
2,4,5-Trichlorophenol	0.2386 0.3095	0.2481 0.3469	0.2623 0.3306	0.2799 0.3340	0.3278	Ave		0.2975				14.0		15.0			
1,1'-Biphenyl	1.5333 1.3052	1.4393 1.3932	1.4172 1.3527	1.3817 1.2827	1.5149	Ave		1.4023				6.1		15.0			
2-Chloronaphthalene	1.3038 1.1604	1.2616 1.2552	1.2543 1.2042	1.2326 1.1726	1.3278	Ave		1.2414				4.5		15.0			
Phenyl ether	0.3935 0.3450	0.3777 0.3714	0.3666 0.3704	0.3717 0.3540	0.3831	Ave		0.3704				3.9		15.0			
2-Nitroaniline	0.2123 0.3025	0.1992 0.3319	0.2088 0.3121	0.2342 0.3287	0.3104	Lin1	-0.026	0.3227							0.9970		0.9900
Benzidine	+++++ 0.1585	+++++ 0.1497	0.0681 0.1858	0.0907 0.1812	0.1639	Lin1	-0.069	0.1806							0.9940		0.9900
Dimethyl phthalate	1.1186 1.1692	1.1606 1.2670	1.2000 1.2173	1.2218 1.1958	1.3140	Ave		1.2071				4.8		15.0			
2,6-Dinitrotoluene	0.1741 0.2748	0.1994 0.3050	0.2211 0.2896	0.2572 0.2952	0.3060	Lin2	-0.013	0.2839							0.9910		0.9900
Acenaphthylene	1.4498 1.5883	1.5110 1.7414	1.5431 1.6635	1.6040 1.6428	1.8169	Ave		1.6179				7.0		15.0			
Pentachlorophenol	+++++ 0.0950	0.0320 0.0798	0.0360 0.0728	0.0474 0.0963	0.0501	Qua	-0.009	0.0671	0.0015						0.9930		0.9900
3-Nitroaniline	0.1764 0.2740	0.1920 0.3019	0.2201 0.2885	0.2360 0.3000	0.3006	Lin1	-0.021	0.2961							0.9980		0.9900
Acenaphthene	1.1547 1.0168	1.1184 1.1006	1.1063 1.0664	1.0694 1.0238	1.1651	Ave		1.0913				4.8		15.0			
4-Nitrophenol	0.0429 0.1494	0.0720 0.1472	0.0753 0.1360	0.0883 0.1612	0.1021	Lin	-0.074	0.1601			0.0500				0.9940		0.9900
Dibenzofuran	1.6177 1.3887	1.5267 1.5230	1.4851 1.4575	1.4747 1.3909	1.6074	Ave		1.4969				5.5		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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-Dinitrotoluene	0.1611 0.3274	0.1813 0.3715	0.2045 0.3579	0.2517 0.3637	0.3369	Lin1	-0.038	0.3604							0.9970		0.9900
2,3,4,6-Tetrachlorophenol	0.0918 0.2314	0.1281 0.2409	0.1390 0.2312	0.1808 0.2507	0.1954	Lin1	-0.027	0.2415							0.9960		0.9900
Diethyl phthalate	1.3140 1.1681	1.1601 1.2499	1.1644 1.2063	1.1561 1.2159	1.3040	Ave		1.2154				5.1		15.0			
4-Chlorophenyl phenyl ether	0.5774 0.5432	0.5860 0.5843	0.5766 0.5619	0.5526 0.5484	0.6231	Ave		0.5726				4.3		15.0			
Fluorene	1.1893 1.1244	1.1475 1.2287	1.1487 1.1670	1.1394 1.1552	1.3057	Ave		1.1784				4.8		15.0			
4-Nitroaniline	0.1403 0.2045	0.1459 0.2386	0.1547 0.2419	0.1770 0.2551	0.2356	Lin1	-0.022	0.2439							0.9950		0.9900
Diphenylamine	0.5968 0.6151	0.5802 0.6641	0.5954 0.6179	0.6473 0.6126	0.6791	Ave		0.6232				5.4		15.0			
N-Nitrosodiphenylamine	0.5968 0.6151	0.5802 0.6641	0.5954 0.6179	0.6473 0.6126	0.6791	Ave		0.6232				5.4		15.0			
1,2-Diphenylhydrazine	0.6240 0.7611	0.6417 0.8217	0.7061 0.7730	0.7593 0.7973	0.8271	Ave		0.7457				9.9		15.0			
Azobenzene	0.6240 0.7611	0.6417 0.8217	0.7061 0.7730	0.7593 0.7973	0.8271	Ave		0.7457				9.9		15.0			
4-Bromophenyl phenyl ether	0.1915 0.1736	0.1725 0.1919	0.1852 0.1787	0.1897 0.1780	0.1996	Ave		0.1845				5.1		15.0			
Atrazine	0.1308 0.1810	0.1437 0.2022	0.1510 0.1890	0.1689 0.1901	0.2003	Ave		0.1730				15.0		15.0			
Hexachlorobenzene	0.2011 0.1748	0.1784 0.1931	0.1969 0.1811	0.1976 0.1763	0.2077	Ave		0.1897				6.4		15.0			
Pentachloronitrobenzene	0.0492 0.0692	0.0463 0.0763	0.0519 0.0732	0.0621 0.0763	0.0748	Lin1	-0.005	0.0751							0.9980		0.9900
Phenanthrene	1.1476 0.9468	1.0519 1.0357	1.0620 0.9817	1.0352 0.9535	1.0813	Ave		1.0329				6.2		15.0			
Anthracene	0.8620 0.9168	0.8390 1.0052	0.8887 0.9530	0.9041 0.9434	1.0098	Ave		0.9247				6.4		15.0			
Carbazole	0.7512 0.8029	0.7839 0.8834	0.7795 0.8189	0.8254 0.8266	0.8854	Ave		0.8175				5.5		15.0			
Di-n-butyl phthalate	1.5284 1.1429	1.1485 1.2522	1.0759 1.1743	1.0474 1.1996	1.2384	Ave		1.2008				12.0		15.0			
Pyrene	1.4357 1.1000	1.2500 1.3510	1.2258 1.2485	1.2165 1.2933	1.4595	Ave		1.2867				8.8		15.0			
Fluoranthene	0.9959 0.9318	0.8929 1.0112	0.9292 0.9558	0.9449 0.9255	1.0349	Ave		0.9580				4.8		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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								
Butyl benzyl phthalate	0.6131 0.5968	0.4816 0.7287	0.5124 0.6831	0.5683 0.7224	0.7639	Lin1	-0.037	0.7042							0.9950		0.9900
Benzo[a]pyrene	+++++ 0.7860	0.6523 0.9694	0.6302 0.9468	0.7346 0.9661	0.8626	Lin1	-0.134	0.9506							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.8504 0.7982	0.5431 0.9075	0.5519 0.8624	0.6240 0.9191	0.8606	Lin1	-0.060	0.8886							0.9950		0.9900
3,3'-Dichlorobenzidine	0.1963 0.2281	0.1593 0.2300	0.1615 0.2501	0.2004 0.2375	0.2542	Lin1	-0.013	0.2392							0.9970		0.9900
Benzo[a]anthracene	0.8951 0.8590	0.7945 0.9399	0.8247 0.8930	0.8638 0.8973	0.9430	Ave		0.8789				5.6		15.0			
Chrysene	1.0256 0.8217	0.9454 0.8885	0.8496 0.8432	0.8686 0.8362	0.9258	Ave		0.8894				7.4		15.0			
Di-n-octyl phthalate	0.9002 1.7203	0.8024 2.4899	0.8630 2.2936	1.1243 2.4694	2.1427	Lin	-1.105	2.4919							0.9950		0.9900
Benzo[b]fluoranthene	0.0409 1.2206	1.2862 1.5285	1.2390 1.4786	1.3135 1.2957	1.5467	Lin1	-0.089	1.3929							0.9920		0.9900
Benzo[k]fluoranthene	0.0409 1.0519	1.2862 1.3331	1.0280 1.2947	1.0646 1.3371	1.4220	Lin1	-0.108	1.3104							0.9940		0.9900
Dibenz(a,h)anthracene	+++++ 0.3634	0.1853 0.5147	0.2280 0.5195	0.3290 0.6195	0.4469	Qua	-0.109	0.4201	0.0103						0.9980		0.9900
Benzo[g,h,i]perylene	+++++ 0.4565	0.4005 0.5717	0.4226 0.5539	0.5554 0.6454	0.5459	Lin	-0.335	0.6395							0.9920		0.9900
Indeno[1,2,3-cd]pyrene	0.0875 0.4949	0.3007 0.6518	0.3164 0.6592	0.4604 0.7698	0.5577	Lin	-0.479	0.7621							0.9900		0.9900
2-Fluorophenol	0.6292 0.5840	0.6238 0.5618	0.6062 0.6402	0.6406 0.6946	0.6612	Ave		0.6268				6.3		15.0			
Phenol-d5	0.8192 0.7090	0.7430 0.6781	0.7719 0.7707	0.7851 0.8323	0.8113	Ave		0.7689				6.7		15.0			
Nitrobenzene-d5	0.3069 0.3119	0.2910 0.3345	0.2739 0.3291	0.2964 0.3308	0.3236	Ave		0.3109				6.7		15.0			
2-Fluorobiphenyl	1.3700 1.2244	1.3648 1.3418	1.3893 1.2918	1.3333 1.2209	1.4324	Ave		1.3299				5.4		15.0			
2,4,6-Tribromophenol	0.0591 0.0809	0.0537 0.0908	0.0565 0.0826	0.0666 0.0884	0.0765	Lin1	-0.007	0.0864							0.9970		0.9900
Terphenyl-d14	0.8939 0.7283	0.8227 0.8622	0.8153 0.8024	0.7885 0.8136	0.9542	Ave		0.8312				7.8		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49396/3	J03092.D
Level 2	STD025 360-49396/4	J03093.D
Level 3	STD05 360-49396/5	J03094.D
Level 4	STD1 360-49396/6	J03095.D
Level 5	STD25 360-49396/7	J03096.D
Level 6	STD5 360-49396/2	J03091.D
Level 7	STD8 360-49396/8	J03097.D
Level 8	STD10 360-49396/9	J03098.D
Level 9	STD20 360-49396/10	J03099.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
1,4-Dioxane	DCB	Lin2	2335 52469	3974 91100	6341 82454	10362 219425	29647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Ave	2371 139346	6358 238381	10967 219939	23636 587683	72876	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	1312 71053	3166 122509	6254 111736	12122 304523	36850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 48816	+++++ 53468	557 40193	2711 224331	6632	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 14094	+++++ 16775	+++++ 15951	628 73615	1722	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	1657 86166	3870 147523	7274 136902	14288 354559	44410	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	2916 164201	7683 287740	14657 262366	28838 691050	86822	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	3324 195038	8760 339537	16233 317062	31731 843876	102055	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	2752 132518	6474 232970	12727 208662	23836 545442	71937	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	2267 132853	6162 234461	11180 212084	22561 566781	70712	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	2978 147435	7777 260153	14070 238255	27161 625642	81109	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	3180 151691	7979 266473	14642 244127	28284 639869	82988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	1967 111606	4699 194085	8476 177482	16653 490545	56553	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	3133 140359	7781 246044	14091 224603	26224 579998	77137	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylphenol	DCB	Ave	2138 120866	5209 211347	10191 194663	19984 515444	63545	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	2580 129928	6433 221300	12262 202298	22462 541137	67171	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	2159 127002	5697 220605	10260 201229	20794 536187	65669	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1569 94180	3888 161665	7368 147442	14721 400330	47442	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	3110 172209	8370 300377	15420 275334	29633 723832	92401	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	989 55581	2455 98020	4728 87769	9257 241906	28791	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	2489 142741	6153 247953	12106 227171	23789 616989	74856	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	3759 250401	9830 434745	18735 402572	37994 1077260	126741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	2146 128670	5661 216487	10158 197346	20346 535823	65762	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	832 71846	2279 125838	4311 109921	9748 308704	32129	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 25613	+++++ 28674	448 26767	1404 114956	3565	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	2926 148387	7375 258859	13551 237295	25364 629695	79143	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	1508 99990	4055 176724	7965 163946	15990 435981	52736	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	2427 115898	6093 202853	11327 185304	21160 478405	63933	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	1506 90274	3674 158338	7147 145534	13857 395511	46435	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	8065 386804	19994 665484	37029 613972	69822 1590671	213094	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	2656 146890	6488 262963	12782 251005	24184 674792	79976	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	1261 62197	3235 107617	5551 100787	10997 257437	34945	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	541 37409	1001 65044	1945 61126	4131 172985	16438	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	1586 110508	4384 191559	7969 176141	16458 484578	55673	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	5021 243296	12562 421070	22628 391886	43348 1015979	133528	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylnaphthalene	NPT	Ave	4874 242119	12637 413805	22830 381670	41847 996316	129966	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	1906 95237	4861 160435	8977 150658	17000 376956	50925	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Ave	629 49231	1719 68457	3133 61875	6192 187429	16728	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	909 68024	2435 119298	4749 109466	9904 298958	34145	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	951 68223	2564 122365	5027 112896	10154 306195	34033	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	6111 287717	14874 491438	27158 461945	50122 1175836	157292	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	5196 255785	13037 442774	24037 411212	44713 1074893	137859	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	3283 156285	8228 273265	15050 254125	28305 657262	85777	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	846 66673	2059 117088	4002 106585	8495 301289	32228	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin1	+++++ 56472	+++++ 84586	2052 103873	5022 272774	27485	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	4458 257733	11994 446933	22997 415702	44319 1096147	136430	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin2	694 60568	2061 107580	4237 98900	9331 270639	31772	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	5778 350128	15614 614292	29572 568052	58185 1505909	188647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Qua	+++++ 33849	526 45066	1084 40693	2623 144989	8409	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	703 60408	1984 106486	4218 98513	8562 275002	31206	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	4602 224133	11557 388249	21201 364159	38793 938532	120968	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin	171 32942	744 51933	1443 46446	3202 147748	10604	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	6447 306124	15777 537246	28461 497711	53493 1275031	166897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	642 72163	1874 131054	3919 122207	9130 333409	34984	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	366 50999	1324 84995	2663 78954	6560 229822	20286	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	5237 257495	11988 440888	22315 411939	41936 1114618	135392	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
4-Chlorophenyl phenyl ether	ANT	Ave	2301 119735	6056 206118	11049 191869	20044 502685	64698	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	4740 247867	11858 433421	22013 398525	41331 1058905	135567	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	559 45089	1508 84166	2965 82604	6422 233875	24458	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	3709 219155	9551 375207	17947 345340	35851 922038	113882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	3709 219155	9551 375207	17947 345340	35851 922038	113882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	3878 271184	10564 464232	21284 432039	42058 1200124	138716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	3878 271184	10564 464232	21284 432039	42058 1200124	138716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	1190 61861	2840 108400	5584 99880	10505 267972	33480	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	813 64500	2365 114254	4551 105613	9353 286078	33587	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1250 62263	2936 109117	5936 101215	10946 265443	34827	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	306 24641	763 43126	1564 40940	3439 114830	12544	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	7132 337336	17316 585121	32013 548703	57339 1435212	181339	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	5357 326660	13812 567916	26788 532662	50078 1420085	169356	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	4668 286088	12905 499105	23498 457687	45716 1244280	148484	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	9498 407218	18907 707440	32430 656365	58010 1805707	207680	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	5580 314946	14681 549157	26374 501474	49811 1352874	162928	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	6189 331993	14699 571286	28010 534213	52337 1393027	173558	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	2383 170864	5656 296221	11025 274383	23271 755722	85277	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	+++++ 145702	4288 175440	7751 171125	16828 486989	42234	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	3305 228528	6379 368890	11875 346395	25551 961483	96072	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	763 65312	1871 93475	3474 100441	8206 248417	28376	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49396

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzo[a]anthracene	CRY	Ave	3479 245958	9332 382040	17743 358671	35368 938654	105274	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	3986 235274	11104 361160	18280 338655	35567 874764	103347	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	2068 318881	5275 450597	10614 414548	25753 1244825	104914	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Lin1	94 226249	8455 276624	15238 267242	30088 653170	75731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Lin1	94 194989	8455 241262	12643 234013	24386 674055	69628	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Qua	+++++ 67357	1218 93152	2804 93897	7536 312311	21884	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Lin	+++++ 84624	2633 103457	5198 100108	12722 325352	26729	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Lin	201 91728	1977 117962	3891 119142	10547 388032	27307	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	2186 129387	5720 227477	10413 207372	21371 550118	66988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	2846 157085	6813 274575	13259 249631	26190 659207	82200	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	2560 141295	6340 246121	11242 225785	22568 614260	72444	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	5460 269912	14104 473319	26624 441120	48367 1119193	148727	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	367 28839	884 51274	1703 46181	3689 133076	12826	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	3474 208518	9663 350468	17542 322292	32285 851109	106527	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Lims ID:	std5	Client ID:	
Inject. Date:	23-Sep-2009 16:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	STD5		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49396	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:52:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 16:28:11
Reviewed By:	rachtank	Date:	25-Sep-2009 17:58:19
Reviewed By:	rachtank	Date:	25-Sep-2009 18:30:59
Reviewed By:	rachtank	Date:	25-Sep-2009 18:52:12

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.575	8.575	0.000	88625	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	181224	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	88175	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	142519	2.00	
* 5 Chrysene-d12	240	16.004	16.004	0.000	114527	2.00	
* 6 Perylene-d12	264	17.909	17.909	0.000	74145	2.00	
$ 7 2-Fluorophenol	112	7.233	7.233	0.000	129387	4.66	
$ 8 Phenol-d5	99	8.190	8.190	0.000	157085	4.61	
$ 9 Nitrobenzene-d5	82	9.171	9.171	0.000	141295	5.02	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	269912	4.60	
$ 11 2,4,6-Tribromophenol	330	12.489	12.489	0.000	28839	4.76	
$ 12 Terphenyl-d14	244	14.778	14.778	0.000	208518	4.38	
14 1,4-Dioxane	88	4.867	4.867	0.000	52469	4.44	
16 Pyridine	79	5.492	5.492	0.000	139346	4.65	
15 N-Nitrosodimethylamine	74	5.516	5.516	0.000	71053	4.56	
17 Benzaldehyde	105	8.142	8.142	0.000	86166	4.59	
18 Phenol	94	8.205	8.205	0.000	164201	4.52	
19 Aniline	93	8.277	8.277	0.000	195038	4.62	
20 Bis(2-chloroethyl)ether	93	8.310	8.310	0.000	132518	4.36	
21 2-Chlorophenol	128	8.387	8.387	0.000	132853	4.57	
22 1,4-Dichlorobenzene	146	8.536	8.536	0.000	147435	4.29	
23 1,3-Dichlorobenzene	146	8.589	8.589	0.000	151691	4.27	
24 Benzyl alcohol	79	8.709	8.709	0.000	111606	4.74	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	8.791	8.791	0.000	140359	4.20	
26 2-Methylphenol	108	8.815	8.815	0.000	120866	4.61	M
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.854	0.000	129928	4.45	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	127002	4.67	
29 N-Nitrosodi-n-propylamine	70	8.998	8.998	0.000	94180	4.78	
30 Acetophenone	105	8.998	8.998	0.000	172209	4.49	
31 Hexachloroethane	117	9.104	9.104	0.000	55581	4.59	
32 Nitrobenzene	77	9.190	9.190	0.000	142741	5.00	
33 Isophorone	82	9.402	9.402	0.000	250401	5.25	
35 2,4-Dimethylphenol	107	9.489	9.489	0.000	128670	5.15	
34 2-Nitrophenol	139	9.513	9.513	0.000	71846	4.90	
36 Benzoic acid	105	9.532	9.532	0.000	48816	10.2	5
37 Bis(2-chloroethoxy)methane	93	9.594	9.594	0.000	148387	4.80	
38 2,4-Dichlorophenol	162	9.729	9.729	0.000	99990	5.12	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	115898	4.66	
40 Alpha-Terpineol	59	9.849	9.849	0.000	90274	5.12	
41 Naphthalene	128	9.907	9.907	0.000	386804	4.71	
42 4-Chloroaniline	127	9.960	9.960	0.000	146890	4.84	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	62197	4.74	
44 Caprolactam	55	10.268	10.268	0.000	37409	4.72	
45 4-Chloro-3-methylphenol	107	10.397	10.397	0.000	110508	5.30	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	243296	4.72	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	242119	4.77	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	95237	4.80	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	49231	6.19	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	68024	5.33	
51 2,4,5-Trichlorophenol	196	10.931	10.931	0.000	68223	5.20	
52 1,1'-Biphenyl	154	11.061	11.061	0.000	287717	4.65	
53 2-Chloronaphthalene	162	11.099	11.099	0.000	255785	4.67	
54 Phenyl ether	170	11.162	11.162	0.000	156285	4.66	
55 2-Nitroaniline	65	11.220	11.220	0.000	66673	4.77	
56 Dimethyl phthalate	163	11.378	11.378	0.000	257733	4.84	
57 2,6-Dinitrotoluene	165	11.479	11.479	0.000	60568	4.89	
58 Acenaphthylene	152	11.537	11.537	0.000	350128	4.91	
59 3-Nitroaniline	138	11.633	11.633	0.000	60408	4.70	
61 Acenaphthene	153	11.720	11.720	0.000	224133	4.66	
60 2,4-Dinitrophenol	184	11.729	11.729	0.000	14094	7.00	M
62 4-Nitrophenol	109	11.739	11.739	0.000	32942	5.13	
64 Dibenzofuran	168	11.874	11.874	0.000	306124	4.64	
63 2,4-Dinitrotoluene	165	11.878	11.878	0.000	72163	4.65	
65 2,3,4,6-Tetrachlorophenol	232	11.979	11.979	0.000	50999	4.90	
66 Diethyl phthalate	149	12.071	12.071	0.000	257495	4.81	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	119735	4.74	
69 Fluorene	166	12.225	12.225	0.000	247867	4.77	
68 4-Nitroaniline	138	12.263	12.263	0.000	45089	4.29	
70 4,6-Dinitro-2-methylphenol	198	12.287	12.287	0.000	25613	8.16	
71 Diphenylamine	169	12.306	12.306	0.000	219155	4.94	
72 N-Nitrosodiphenylamine	169	12.306	12.306	0.000	219155	4.94	
74 Azobenzene	77	12.340	12.340	0.000	271184	5.10	
73 1,2-Diphenylhydrazine	77	12.340	12.340	0.000	271184	5.10	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	61861	4.70	
77 Atrazine	200	12.821	12.821	0.000	64500	5.23	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	12.864	12.864	0.000	62263	4.61	
78 Pentachlorophenol	266	13.028	13.028	0.000	33849	6.34	
79 Pentachloronitrobenzene	237	13.105	13.105	0.000	24641	4.68	
80 Phenanthrene	178	13.206	13.206	0.000	337336	4.58	
81 Anthracene	178	13.249	13.249	0.000	326660	4.96	
83 Carbazole	167	13.398	13.398	0.000	286088	4.91	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	407218	4.76	
85 Pyrene	202	14.437	14.437	0.000	314946	4.27	
86 Benzidine	184	14.528	14.528	0.000	56472	4.77	
87 Fluoranthene	202	14.692	14.692	0.000	331993	4.86	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	170864	4.29	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	228528	4.56	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	65312	4.82	
93 Benzo[a]anthracene	228	15.985	15.985	0.000	245958	4.89	
94 Chrysene	228	16.038	16.038	0.000	235274	4.62	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	318881	3.90	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	226249	4.45	
98 Benzo[k]fluoranthene	252	17.356	17.356	0.000	194989	4.10	
99 Benzo[a]pyrene	252	17.822	17.822	0.000	145702	4.28	
101 Dibenz(a,h)anthracene	278	19.823	19.823	0.000	67357	4.16	
100 Indeno[1,2,3-cd]pyrene	276	19.837	19.837	0.000	91728	3.88	
102 Benzo[g,h,i]perylene	276	20.433	20.433	0.000	84624	4.09	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:52:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D

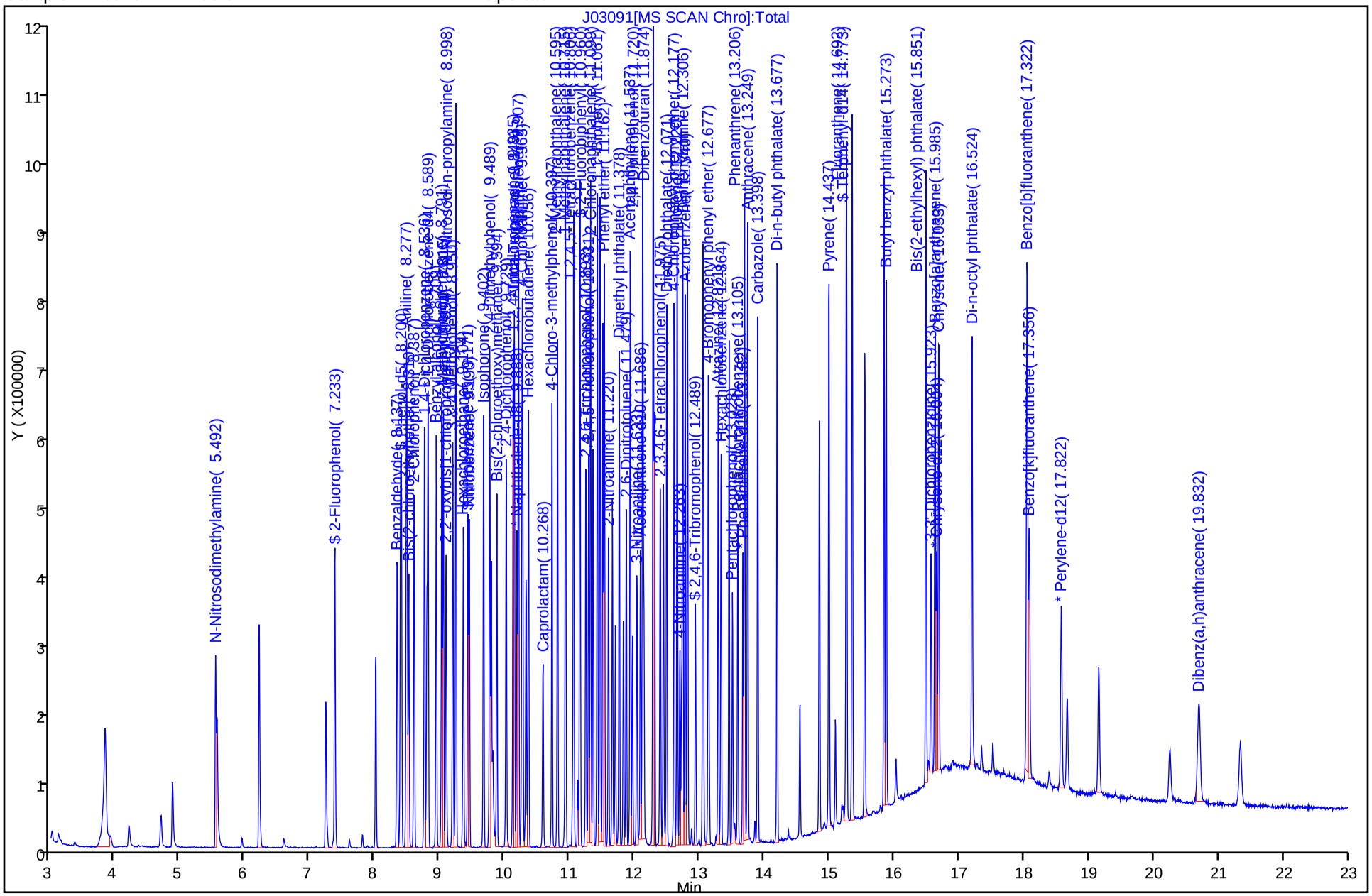
Inj Date: 23-Sep-2009 16:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: STD5

Sample Amount: 1.00 ul Operator:



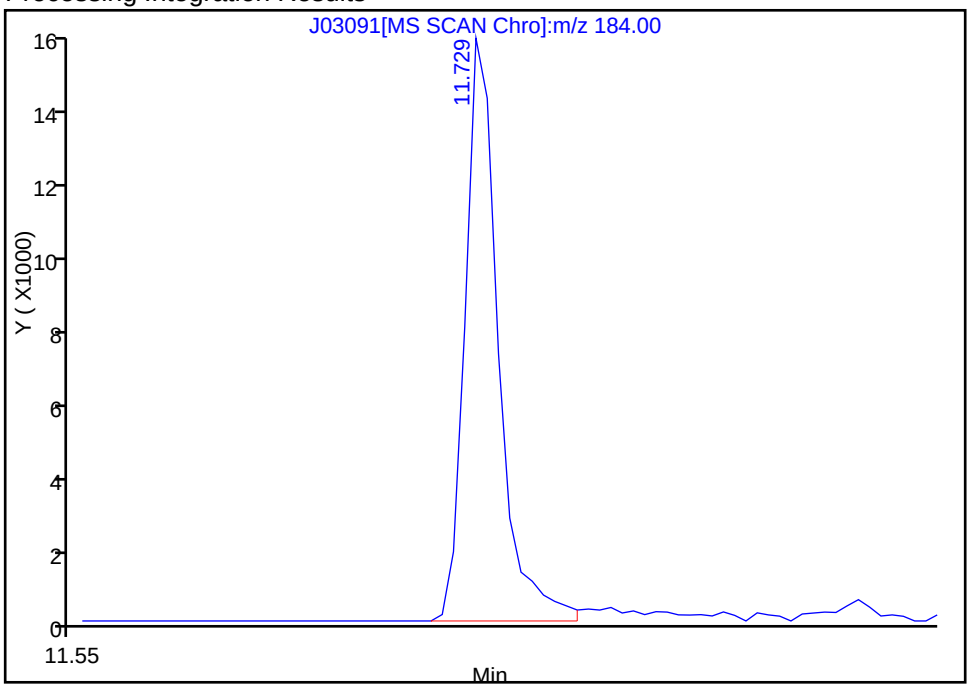
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Inj Date:	23-Sep-2009 16:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	STD5		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.73

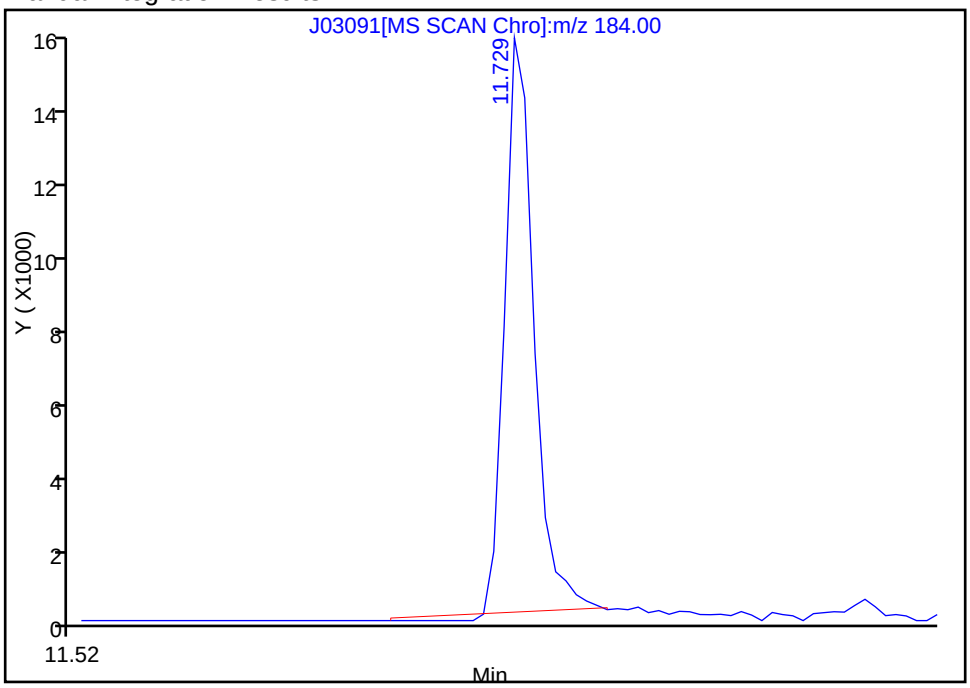
Processing Integration Results

RT: 11.73
Response: 15402
Amount: 7.484823



Manual Integration Results

RT: 11.73
Response: 14094
Amount: 6.997444



Reviewer: rachtank, 25-Sep-2009 18:52:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

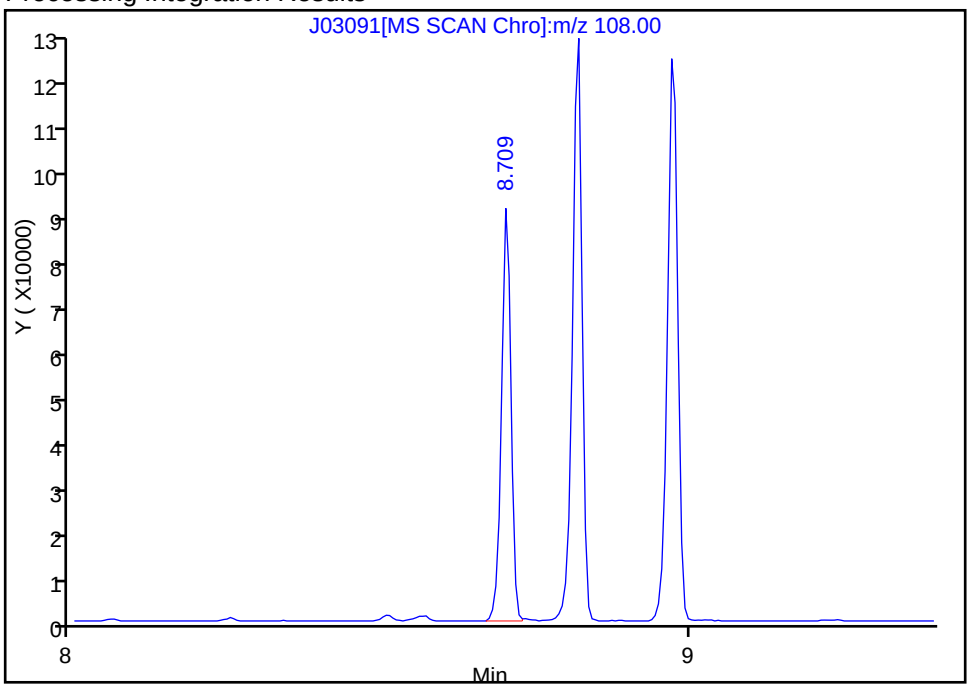
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Inj Date:	23-Sep-2009 16:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	STD5		
Sample Amount:	1.00 ul	Operator:	

26 2-Methylphenol, Number: 1, m/z: 108 Type: quant, RT: 8.82

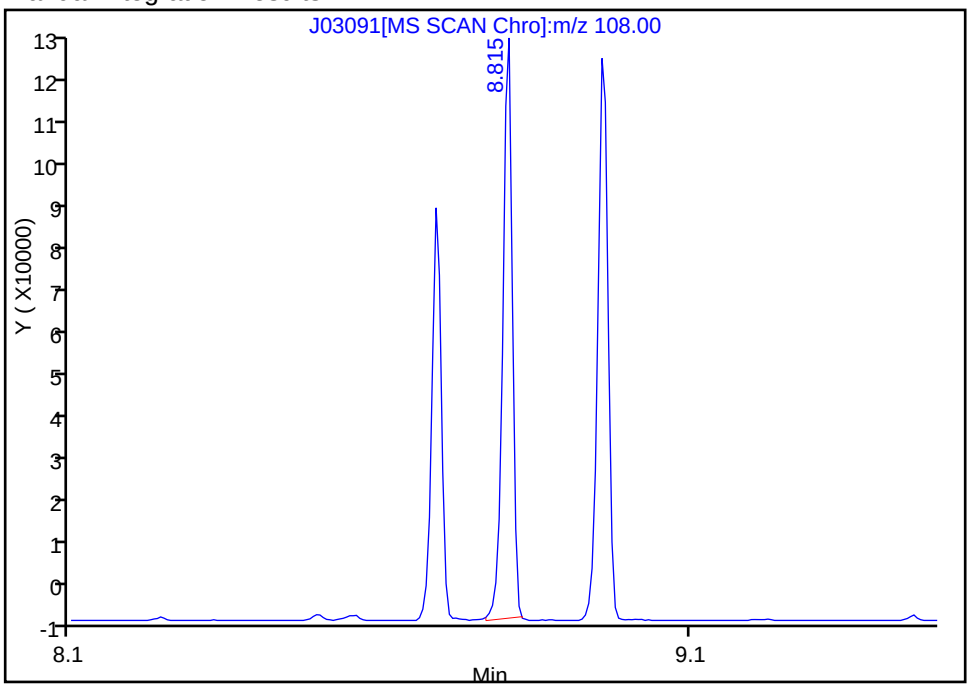
Processing Integration Results

RT: 8.71
Response: 85752
Amount: 3.842565



Manual Integration Results

RT: 8.82
Response: 120866
Amount: 4.612408



Reviewer: rachtank, 25-Sep-2009 18:30:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03092.D		
Lims ID:	std01	Client ID:	
Inject. Date:	23-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49396	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:31:33	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:34:48
Reviewed By:	rachtank	Date:	25-Sep-2009 17:54:49
Reviewed By:	rachtank	Date:	25-Sep-2009 18:31:33

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.571	8.575	-0.004	69482	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.000	166853	2.00	
* 3 Acenaphthene-d10	164	11.682	11.686	-0.004	79708	2.00	
* 4 Phenanthrene-d10	188	13.178	13.182	-0.004	124289	2.00	
* 5 Chrysene-d12	240	16.005	16.004	0.001	77730	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	45944	2.00	
$ 7 2-Fluorophenol	112	7.229	7.233	-0.004	2186	0.1004	
$ 8 Phenol-d5	99	8.186	8.190	-0.004	2846	0.1065	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	2560	0.0987	
$ 10 2-Fluorobiphenyl	172	10.956	10.960	-0.004	5460	0.1030	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	367	0.1478	
$ 12 Terphenyl-d14	244	14.774	14.778	-0.004	3474	0.1075	
14 1,4-Dioxane	88	4.878	4.867	0.011	2335	0.0965	
16 Pyridine	79	5.537	5.492	0.045	2371	0.1017	
15 N-Nitrosodimethylamine	74	5.532	5.516	0.016	1312	0.1073	
17 Benzaldehyde	105	8.143	8.142	0.001	1657	0.1126	
18 Phenol	94	8.201	8.205	-0.004	2916	0.1023	
19 Aniline	93	8.273	8.277	-0.004	3324	0.1004	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	2752	0.1155	
21 2-Chlorophenol	128	8.388	8.387	0.001	2267	0.0996	
22 1,4-Dichlorobenzene	146	8.537	8.536	0.001	2978	0.1106	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	3180	0.1143	
24 Benzyl alcohol	79	8.710	8.709	0.001	1967	0.1066	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	3133	0.1196	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.811	8.815	-0.004	2138	0.1041	
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	2580	0.1126	
28 3 & 4 Methylphenol	108	8.951	8.950	0.001	2159	0.1012	
29 N-Nitrosodi-n-propylamine	70	8.994	8.998	-0.004	1569	0.1016	
30 Acetophenone	105	8.999	8.998	0.001	3110	0.3362	
31 Hexachloroethane	117	9.105	9.104	0.001	989	0.1042	
32 Nitrobenzene	77	9.186	9.190	-0.004	2489	0.0946	
33 Isophorone	82	9.398	9.402	-0.004	3759	0.0857	
35 2,4-Dimethylphenol	107	9.489	9.489	0.001	2146	0.0934	
34 2-Nitrophenol	139	9.509	9.513	-0.004	832	0.1433	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	2926	0.1028	
38 2,4-Dichlorophenol	162	9.730	9.729	0.001	1508	0.0838	
39 1,2,4-Trichlorobenzene	180	9.831	9.835	-0.004	2427	0.1060	
40 Alpha-Terpineol	59	9.845	9.849	-0.004	1506	0.0927	
41 Naphthalene	128	9.908	9.907	0.001	8065	0.1066	
42 4-Chloroaniline	127	9.961	9.960	0.001	2656	0.0951	
43 Hexachlorobutadiene	225	10.052	10.056	-0.004	1261	0.1043	
44 Caprolactam	55	10.254	10.268	-0.014	541	0.1765	
45 4-Chloro-3-methylphenol	107	10.393	10.397	-0.004	1586	0.0826	
46 2-Methylnaphthalene	142	10.591	10.595	-0.004	5021	0.1057	
47 1-Methylnaphthalene	142	10.711	10.715	-0.004	4874	0.1043	
49 1,2,4,5-Tetrachlorobenzene	216	10.802	10.806	-0.004	1906	0.1043	
48 Hexachlorocyclopentadiene	237	10.807	10.811	-0.004	629	0.0875	
50 2,4,6-Trichlorophenol	196	10.889	10.893	-0.004	909	0.0787	
51 2,4,5-Trichlorophenol	196	10.927	10.931	-0.004	951	0.0802	
52 1,1'-Biphenyl	154	11.057	11.061	-0.004	6111	0.1093	
53 2-Chloronaphthalene	162	11.096	11.099	-0.003	5196	0.1050	
54 Phenyl ether	170	11.163	11.162	0.001	3283	0.1062	
55 2-Nitroaniline	65	11.216	11.220	-0.004	846	0.1463	
56 Dimethyl phthalate	163	11.374	11.378	-0.004	4458	0.0927	
57 2,6-Dinitrotoluene	165	11.480	11.479	0.001	694	0.1072	
58 Acenaphthylene	152	11.538	11.537	0.001	5778	0.0896	
59 3-Nitroaniline	138	11.634	11.633	0.001	703	0.3512	
61 Acenaphthene	153	11.716	11.720	-0.004	4602	0.1058	
62 4-Nitrophenol	109	11.735	11.739	-0.004	171	0.0475	
64 Dibenzofuran	168	11.870	11.874	-0.004	6447	0.1081	
63 2,4-Dinitrotoluene	165	11.875	11.878	-0.003	642	0.1514	
65 2,3,4,6-Tetrachlorophenol	232	11.976	11.979	-0.003	366	0.1502	
66 Diethyl phthalate	149	12.067	12.071	-0.004	5237	0.1081	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	2301	0.1008	
69 Fluorene	166	12.221	12.225	-0.004	4740	0.1009	
68 4-Nitroaniline	138	12.254	12.263	-0.009	559	0.1496	
71 Diphenylamine	169	12.303	12.306	-0.004	3709	0.2071	
72 N-Nitrosodiphenylamine	169	12.303	12.306	-0.004	3709	0.0958	
74 Azobenzene	77	12.336	12.340	-0.004	3878	0.0837	
73 1,2-Diphenylhydrazine	77	12.336	12.340	-0.004	3878	0.0837	
75 4-Bromophenyl phenyl ether	248	12.673	12.677	-0.004	1190	0.1038	
77 Atrazine	200	12.822	12.821	0.001	813	0.0756	
76 Hexachlorobenzene	284	12.860	12.864	-0.004	1250	0.1060	
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	306	0.1373	
80 Phenanthrene	178	13.202	13.206	-0.004	7132	0.1111	
81 Anthracene	178	13.250	13.249	0.001	5357	0.0932	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	13.394	13.398	-0.004	4668	0.0919	
84 Di-n-butyl phthalate	149	13.678	13.682	-0.004	9498	0.1273	
85 Pyrene	202	14.433	14.437	-0.004	5580	0.1116	
87 Fluoranthene	202	14.688	14.692	-0.004	6189	0.1040	
89 Butyl benzyl phthalate	149	15.270	15.273	-0.003	2383	0.1401	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	3305	0.1637	
91 3,3'-Dichlorobenzidine	252	15.919	15.923	-0.004	763	0.1371	
93 Benzo[a]anthracene	228	15.981	15.985	-0.004	3479	0.1018	
94 Chrysene	228	16.034	16.038	-0.004	3986	0.1153	
95 Di-n-octyl phthalate	149	16.520	16.524	-0.004	2068	0.4794	
97 Benzo[b]fluoranthene	252	17.289	17.327	-0.038	94	0.0667	
98 Benzo[k]fluoranthene	252	17.289	17.356	-0.067	94	0.0857	
100 Indeno[1,2,3-cd]pyrene	276	19.852	19.837	0.015	201	0.6402	

Report Date: 25-Sep-2009 18:31:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03092.D

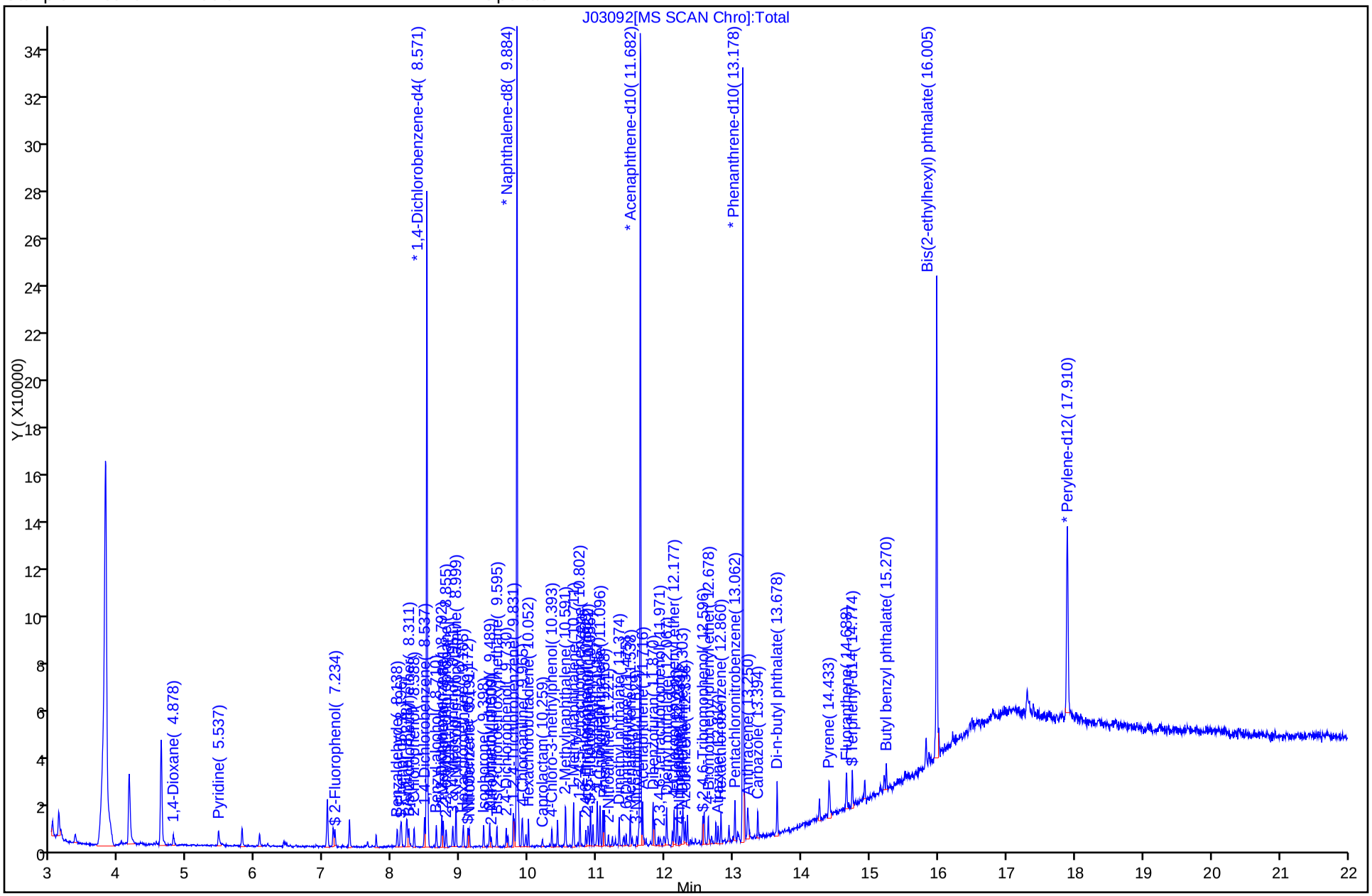
Inj Date: 23-Sep-2009 16:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: STD01

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Lims ID:	std025	Client ID:	
Inject. Date:	23-Sep-2009 17:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD025		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49396	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:54:04	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:42:45
Reviewed By:	rachtank	Date:	25-Sep-2009 18:32:55
Reviewed By:	rachtank	Date:	25-Sep-2009 18:54:04

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.572	8.575	-0.003	73360	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.001	174273	2.00	
* 3 Acenaphthene-d10	164	11.683	11.686	-0.003	82671	2.00	
* 4 Phenanthrene-d10	188	13.178	13.182	-0.004	131694	2.00	
* 5 Chrysene-d12	240	16.006	16.004	0.002	93961	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	52591	2.00	
$ 7 2-Fluorophenol	112	7.235	7.233	0.002	5720	0.2488	
$ 8 Phenol-d5	99	8.187	8.190	-0.003	6813	0.2416	
$ 9 Nitrobenzene-d5	82	9.173	9.171	0.002	6340	0.2340	
$ 10 2-Fluorobiphenyl	172	10.957	10.960	-0.003	14104	0.2566	
$ 11 2,4,6-Tribromophenol	330	12.486	12.489	-0.003	884	0.2348	
$ 12 Terphenyl-d14	244	14.775	14.778	-0.003	9663	0.2474	
14 1,4-Dioxane	88	4.878	4.867	0.011	3974	0.2565	
16 Pyridine	79	5.523	5.492	0.031	6358	0.2566	
15 N-Nitrosodimethylamine	74	5.532	5.516	0.016	3166	0.2453	
17 Benzaldehyde	105	8.139	8.142	-0.003	3870	0.2491	
18 Phenol	94	8.201	8.205	-0.004	7683	0.2552	
19 Aniline	93	8.274	8.277	-0.003	8760	0.2506	
20 Bis(2-chloroethyl)ether	93	8.312	8.310	0.002	6474	0.2575	
21 2-Chlorophenol	128	8.389	8.387	0.002	6162	0.2563	
22 1,4-Dichlorobenzene	146	8.538	8.536	0.002	7777	0.2737	
23 1,3-Dichlorobenzene	146	8.591	8.589	0.002	7979	0.2716	
24 Benzyl alcohol	79	8.711	8.709	0.002	4699	0.2412	
25 1,2-Dichlorobenzene	146	8.793	8.791	0.002	7781	0.2814	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.812	8.815	-0.003	5209	0.2401	
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	6433	0.2660	
28 3 & 4 Methylphenol	108	8.952	8.950	0.002	5697	0.2529	
29 N-Nitrosodi-n-propylamine	70	8.995	8.998	-0.003	3888	0.2386	
30 Acetophenone	105	9.000	8.998	0.002	8370	0.2637	
31 Hexachloroethane	117	9.105	9.104	0.001	2455	0.2450	
32 Nitrobenzene	77	9.192	9.190	0.002	6153	0.2239	
33 Isophorone	82	9.399	9.402	-0.003	9830	0.2145	
35 2,4-Dimethylphenol	107	9.490	9.489	0.002	5661	0.2358	
34 2-Nitrophenol	139	9.514	9.513	0.001	2279	0.2417	
37 Bis(2-chloroethoxy)methane	93	9.591	9.594	-0.003	7375	0.2481	
38 2,4-Dichlorophenol	162	9.731	9.729	0.002	4055	0.2158	
39 1,2,4-Trichlorobenzene	180	9.832	9.835	-0.003	6093	0.2549	
40 Alpha-Terpineol	59	9.846	9.849	-0.003	3674	0.2166	
41 Naphthalene	128	9.908	9.907	0.001	19994	0.2529	
42 4-Chloroaniline	127	9.961	9.960	0.001	6488	0.2224	
43 Hexachlorobutadiene	225	10.053	10.056	-0.003	3235	0.2561	
44 Caprolactam	55	10.260	10.268	-0.008	1001	0.2324	
45 4-Chloro-3-methylphenol	107	10.394	10.397	-0.003	4384	0.2185	
46 2-Methylnaphthalene	142	10.596	10.595	0.001	12562	0.2533	
47 1-Methylnaphthalene	142	10.712	10.715	-0.003	12637	0.2590	
49 1,2,4,5-Tetrachlorobenzene	216	10.803	10.806	-0.003	4861	0.2546	
48 Hexachlorocyclopentadiene	237	10.808	10.811	-0.003	1719	0.2307	
50 2,4,6-Trichlorophenol	196	10.889	10.893	-0.004	2435	0.2034	
51 2,4,5-Trichlorophenol	196	10.928	10.931	-0.003	2564	0.2085	
52 1,1'-Biphenyl	154	11.058	11.061	-0.003	14874	0.2566	
53 2-Chloronaphthalene	162	11.096	11.099	-0.003	13037	0.2541	
54 Phenyl ether	170	11.159	11.162	-0.003	8228	0.2549	
55 2-Nitroaniline	65	11.221	11.220	0.001	2059	0.2349	
56 Dimethyl phthalate	163	11.375	11.378	-0.003	11994	0.2404	
57 2,6-Dinitrotoluene	165	11.476	11.479	-0.003	2061	0.2214	
58 Acenaphthylene	152	11.539	11.537	0.002	15614	0.2335	
59 3-Nitroaniline	138	11.635	11.633	0.002	1984	0.2331	
61 Acenaphthene	153	11.717	11.720	-0.003	11557	0.2561	
62 4-Nitrophenol	109	11.736	11.748	-0.012	744	0.5753	
64 Dibenzofuran	168	11.870	11.874	-0.004	15777	0.2550	
63 2,4-Dinitrotoluene	165	11.875	11.878	-0.003	1874	0.2325	
65 2,3,4,6-Tetrachlorophenol	232	11.976	11.979	-0.003	1324	0.2448	
66 Diethyl phthalate	149	12.068	12.071	-0.003	11988	0.2386	
67 4-Chlorophenyl phenyl ether	204	12.178	12.177	0.001	6056	0.2559	
69 Fluorene	166	12.222	12.225	-0.003	11858	0.2434	
68 4-Nitroaniline	138	12.260	12.263	-0.003	1508	0.2417	
71 Diphenylamine	169	12.303	12.306	-0.003	9551	0.2328	
72 N-Nitrosodiphenylamine	169	12.303	12.306	-0.003	9551	0.2328	
74 Azobenzene	77	12.337	12.340	-0.003	10564	0.2151	
73 1,2-Diphenylhydrazine	77	12.337	12.340	-0.003	10564	0.2151	
75 4-Bromophenyl phenyl ether	248	12.678	12.677	0.001	2840	0.2337	
77 Atrazine	200	12.818	12.821	-0.003	2365	0.2076	
76 Hexachlorobenzene	284	12.861	12.864	-0.003	2936	0.2351	
78 Pentachlorophenol	266	13.029	13.028	0.001	526	0.2534	
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	763	0.2261	
80 Phenanthrene	178	13.203	13.206	-0.003	17316	0.2546	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	13.251	13.249	0.002	13812	0.2268	
83 Carbazole	167	13.395	13.398	-0.003	12905	0.2397	
84 Di-n-butyl phthalate	149	13.679	13.682	-0.003	18907	0.2391	
85 Pyrene	202	14.434	14.437	-0.003	14681	0.2429	
87 Fluoranthene	202	14.688	14.692	-0.004	14699	0.2330	
89 Butyl benzyl phthalate	149	15.270	15.273	-0.003	5656	0.2240	
92 Bis(2-ethylhexyl) phthalate	149	15.852	15.851	0.001	6379	0.2208	
91 3,3'-Dichlorobenzidine	252	15.924	15.923	0.001	1871	0.2215	
93 Benzo[a]anthracene	228	15.982	15.985	-0.003	9332	0.2260	
94 Chrysene	228	16.035	16.038	-0.003	11104	0.2657	
95 Di-n-octyl phthalate	149	16.521	16.524	-0.003	5275	0.5238	
97 Benzo[b]fluoranthene	252	17.324	17.327	-0.003	8455	0.2946	
98 Benzo[k]fluoranthene	252	17.324	17.356	-0.032	8455	0.3280	
99 Benzo[a]pyrene	252	17.824	17.822	0.002	4288	0.3127	
101 Dibenz(a,h)anthracene	278	19.819	19.823	-0.004	1218	0.3665	
100 Indeno[1,2,3-cd]pyrene	276	19.839	19.837	0.002	1977	0.7274	
102 Benzo[g,h,i]perylene	276	20.430	20.433	-0.003	2633	0.6805	

Report Date: 25-Sep-2009 18:54:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D

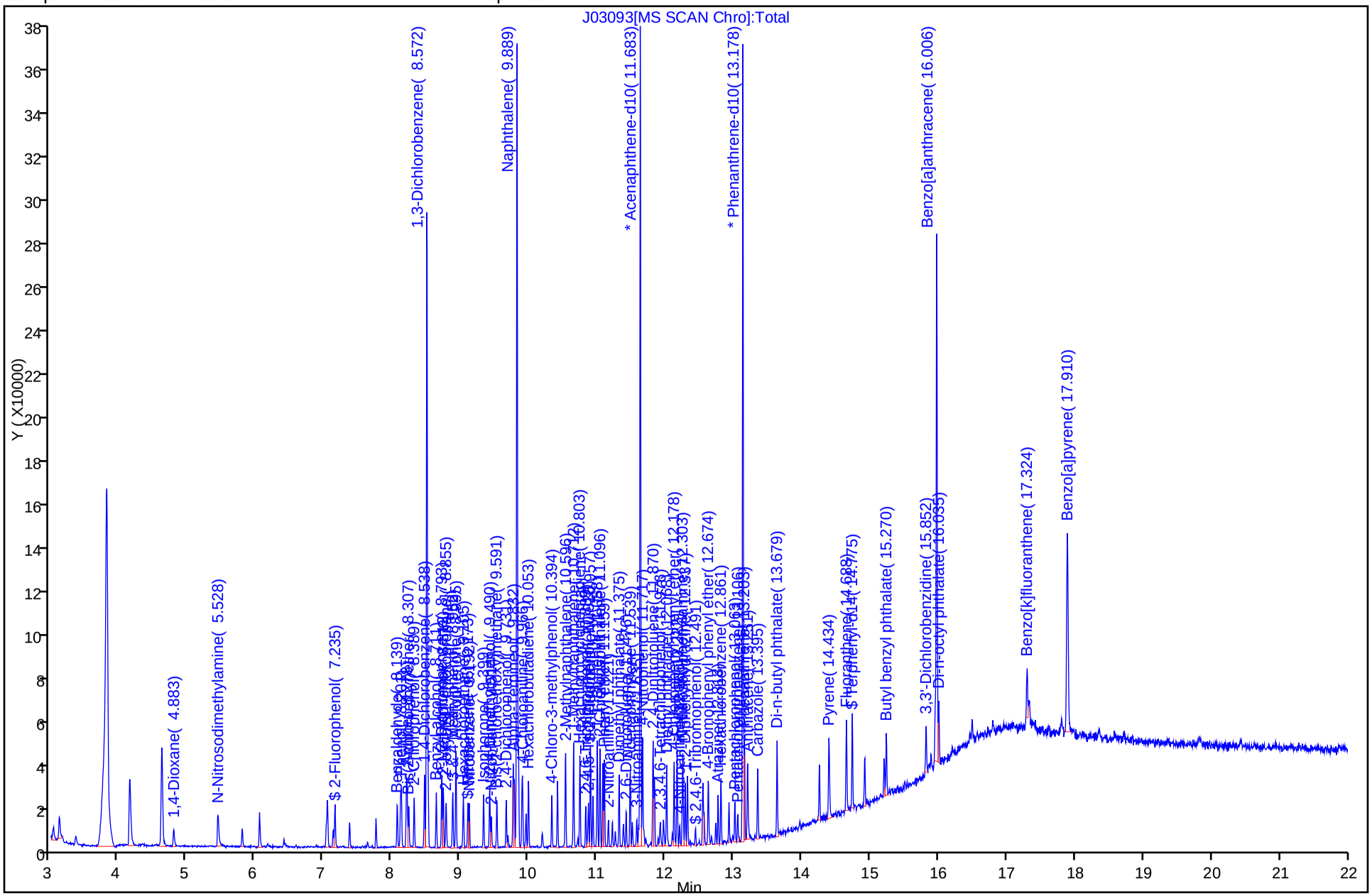
Inj Date: 23-Sep-2009 17:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: STD025

Sample Amount: 1.00 ul Operator:

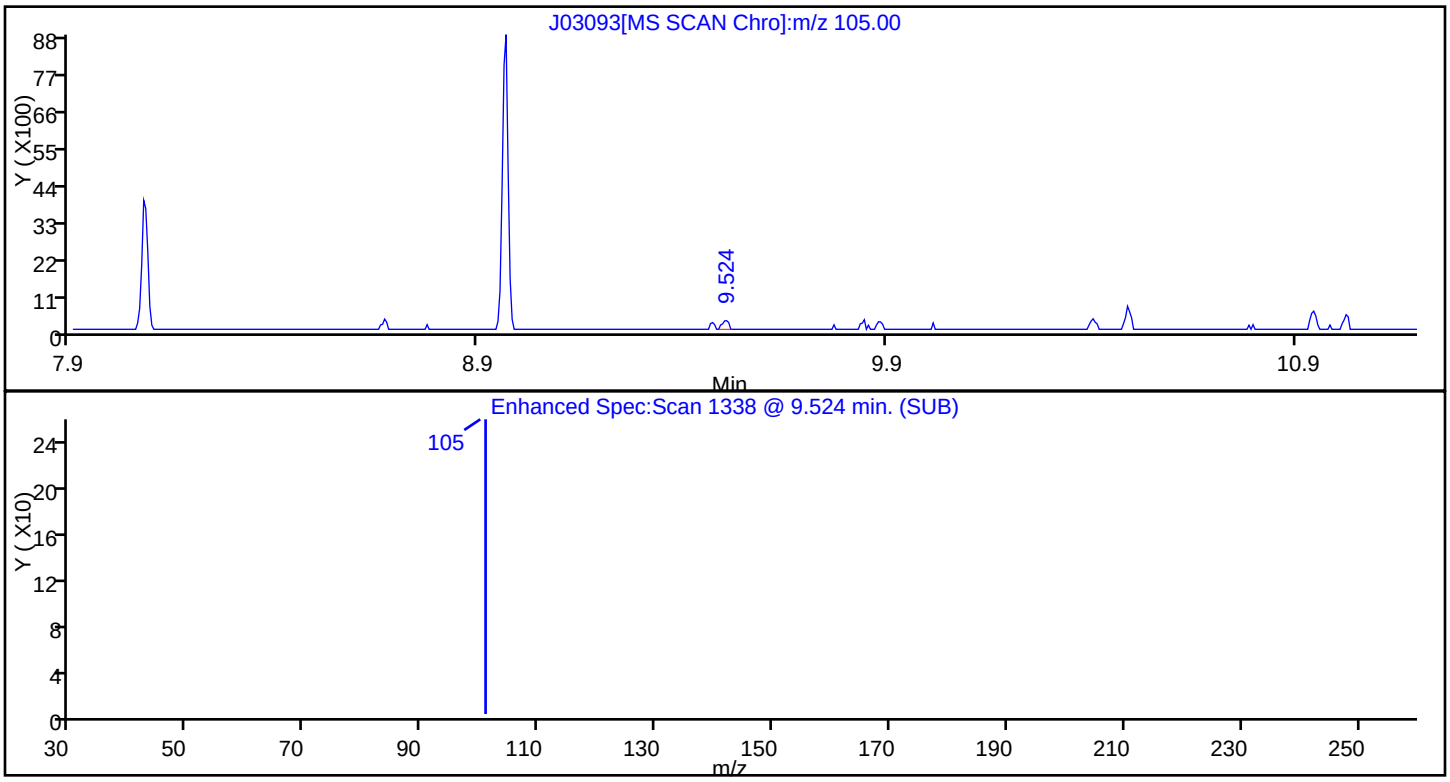


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Inj Date:	23-Sep-2009 17:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	STD025		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
9.52	105.00	291	0.061403
9.52	122.00	327	
9.53	77.00	140	

Reviewer: rachtank, 25-Sep-2009 18:32:55
Audit Action: Marked Compound Undetected
Audit Reason:

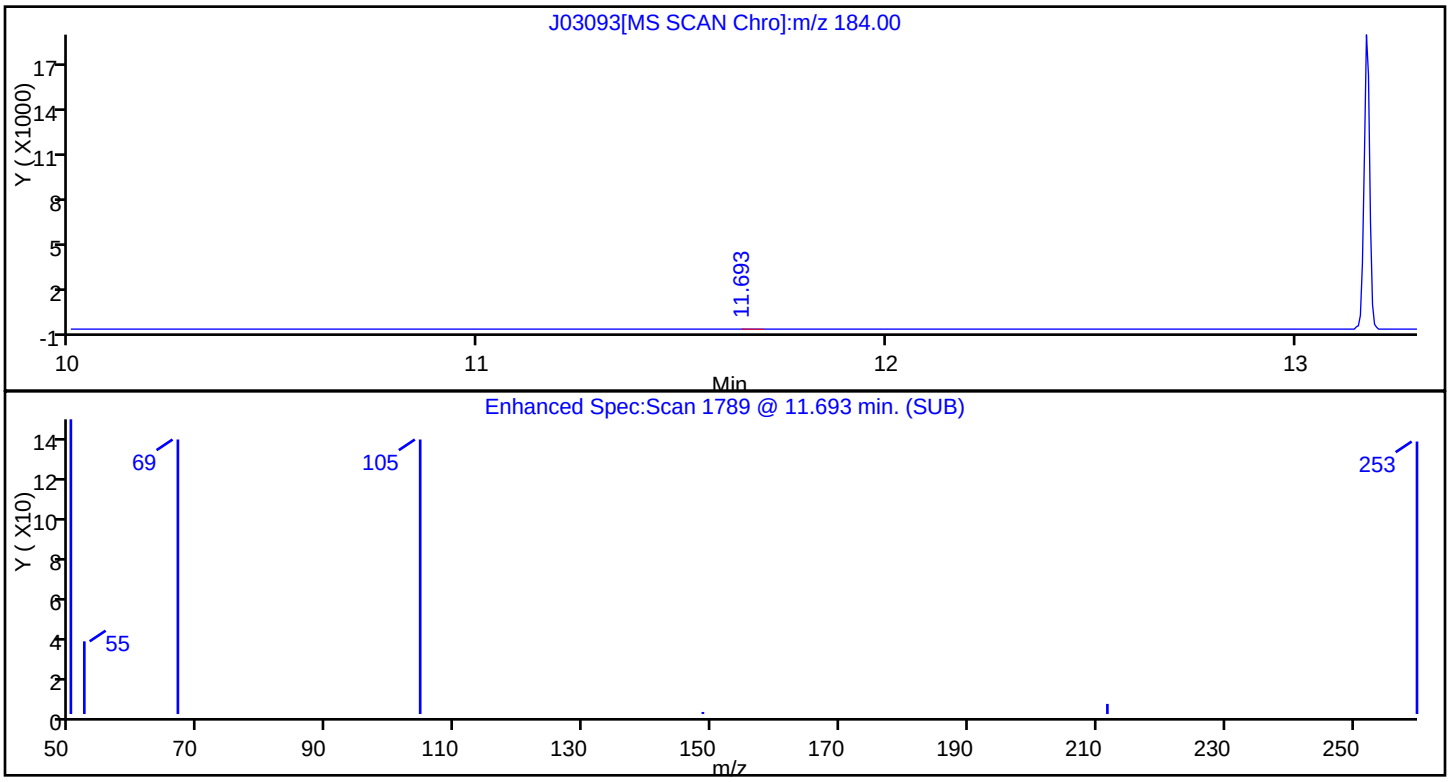
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Inj Date:	23-Sep-2009 17:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	STD025		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
11.69	184.00	21	0.012878
0.00	63.00	0	
0.00	154.00	0	

Reviewer: rachtank, 25-Sep-2009 18:54:04
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D		
Lims ID:	std05	Client ID:	
Inject. Date:	23-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD05		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49396	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:54:41	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 16:43:37
Reviewed By:	rachtank	Date:	25-Sep-2009 18:33:31
Reviewed By:	rachtank	Date:	25-Sep-2009 18:54:41

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.573	8.575	-0.002	68710	2.00	
* 2 Naphthalene-d8	136	9.890	9.888	0.002	164204	2.00	
* 3 Acenaphthene-d10	164	11.684	11.686	-0.002	76655	2.00	
* 4 Phenanthrene-d10	188	13.180	13.182	-0.002	120574	2.00	
* 5 Chrysene-d12	240	16.007	16.004	0.003	86062	2.00	
* 6 Perylene-d12	264	17.911	17.909	0.002	49196	2.00	
$ 7 2-Fluorophenol	112	7.231	7.233	-0.002	10413	0.4835	
$ 8 Phenol-d5	99	8.188	8.190	-0.002	13259	0.5019	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	11242	0.4404	
$ 10 2-Fluorobiphenyl	172	10.958	10.960	-0.002	26624	0.5223	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	1703	0.4063	
$ 12 Terphenyl-d14	244	14.776	14.778	-0.002	17542	0.4904	
14 1,4-Dioxane	88	4.875	4.867	0.008	6341	0.5531	
16 Pyridine	79	5.514	5.492	0.022	10967	0.4725	
15 N-Nitrosodimethylamine	74	5.524	5.516	0.008	6254	0.5174	
17 Benzaldehyde	105	8.140	8.142	-0.002	7274	0.4998	
18 Phenol	94	8.202	8.205	-0.003	14657	0.5199	
19 Aniline	93	8.275	8.277	-0.002	16233	0.4957	
20 Bis(2-chloroethyl)ether	93	8.308	8.310	-0.002	12727	0.5404	
21 2-Chlorophenol	128	8.390	8.387	0.003	11180	0.4965	
22 1,4-Dichlorobenzene	146	8.539	8.536	0.003	14070	0.5286	
23 1,3-Dichlorobenzene	146	8.592	8.589	0.003	14642	0.5321	
24 Benzyl alcohol	79	8.707	8.709	-0.002	8476	0.4646	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	14091	0.5441	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.813	8.815	-0.002	10191	0.5016	
27 2,2'-oxybis[1-chloropropane]	45	8.856	8.854	0.002	12262	0.5412	
28 3 & 4 Methylphenol	108	8.953	8.950	0.003	10260	0.4862	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	7368	0.4827	
30 Acetophenone	105	9.001	8.998	0.003	15420	0.5186	
31 Hexachloroethane	117	9.106	9.104	0.002	4728	0.5038	
32 Nitrobenzene	77	9.193	9.190	0.003	12106	0.4676	
33 Isophorone	82	9.400	9.402	-0.002	18735	0.4338	
35 2,4-Dimethylphenol	107	9.491	9.489	0.003	10158	0.4490	
34 2-Nitrophenol	139	9.515	9.513	0.002	4311	0.4020	
36 Benzoic acid	105	9.515	9.565	-0.049	557	0.1281	
37 Bis(2-chloroethoxy)methane	93	9.592	9.594	-0.002	13551	0.4838	
38 2,4-Dichlorophenol	162	9.732	9.729	0.003	7965	0.4498	
39 1,2,4-Trichlorobenzene	180	9.833	9.835	-0.002	11327	0.5029	
40 Alpha-Terpineol	59	9.847	9.849	-0.002	7147	0.4471	
41 Naphthalene	128	9.910	9.907	0.003	37029	0.4971	
42 4-Chloroaniline	127	9.962	9.960	0.002	12782	0.4650	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	5551	0.4665	
44 Caprolactam	55	10.256	10.268	-0.012	1945	0.3687	
45 4-Chloro-3-methylphenol	107	10.395	10.397	-0.002	7969	0.4216	
46 2-Methylnaphthalene	142	10.597	10.595	0.002	22628	0.4842	
47 1-Methylnaphthalene	142	10.713	10.715	-0.002	22830	0.4965	
49 1,2,4,5-Tetrachlorobenzene	216	10.804	10.806	-0.002	8977	0.4990	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	3133	0.4534	
50 2,4,6-Trichlorophenol	196	10.891	10.893	-0.002	4749	0.4278	
51 2,4,5-Trichlorophenol	196	10.929	10.931	-0.002	5027	0.4408	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	27158	0.5053	
53 2-Chloronaphthalene	162	11.097	11.099	-0.002	24037	0.5052	
54 Phenyl ether	170	11.160	11.162	-0.002	15050	0.4949	
55 2-Nitroaniline	65	11.218	11.220	-0.002	4002	0.4041	
56 Dimethyl phthalate	163	11.376	11.378	-0.002	22997	0.4971	
57 2,6-Dinitrotoluene	165	11.482	11.479	0.003	4237	0.4352	
58 Acenaphthylene	152	11.540	11.537	0.003	29572	0.4769	
59 3-Nitroaniline	138	11.631	11.633	-0.002	4218	0.4426	
61 Acenaphthene	153	11.718	11.720	-0.002	21201	0.5066	
62 4-Nitrophenol	109	11.737	11.748	-0.011	1443	0.6981	
64 Dibenzofuran	168	11.872	11.874	-0.002	28461	0.4961	
63 2,4-Dinitrotoluene	165	11.876	11.878	-0.002	3919	0.3905	
65 2,3,4,6-Tetrachlorophenol	232	11.977	11.979	-0.002	2663	0.3998	
66 Diethyl phthalate	149	12.069	12.071	-0.002	22315	0.4790	
67 4-Chlorophenyl phenyl ether	204	12.179	12.177	0.002	11049	0.5035	
69 Fluorene	166	12.223	12.225	-0.002	22013	0.4874	
68 4-Nitroaniline	138	12.261	12.263	-0.002	2965	0.4093	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	448	0.1687	
71 Diphenylamine	169	12.304	12.306	-0.002	17947	0.4777	
72 N-Nitrosodiphenylamine	169	12.304	12.306	-0.002	17947	0.4777	
74 Azobenzene	77	12.338	12.340	-0.002	21284	0.4734	
73 1,2-Diphenylhydrazine	77	12.338	12.340	-0.002	21284	0.4734	
75 4-Bromophenyl phenyl ether	248	12.675	12.677	-0.002	5584	0.5019	
77 Atrazine	200	12.819	12.821	-0.002	4551	0.4364	
76 Hexachlorobenzene	284	12.862	12.864	-0.002	5936	0.5191	
78 Pentachlorophenol	266	13.030	13.028	0.002	1084	0.4003	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.107	13.105	0.002	1564	0.4173	
80 Phenanthrene	178	13.204	13.206	-0.002	32013	0.5141	
81 Anthracene	178	13.247	13.249	-0.002	26788	0.4805	
83 Carbazole	167	13.396	13.398	-0.002	23498	0.4768	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	32430	0.4480	
85 Pyrene	202	14.435	14.437	-0.002	26374	0.4763	
86 Benzidine	184	14.531	14.528	0.003	2052	0.5690	
87 Fluoranthene	202	14.690	14.692	-0.002	28010	0.4850	
89 Butyl benzyl phthalate	149	15.271	15.273	-0.002	11025	0.4169	
92 Bis(2-ethylhexyl) phthalate	149	15.848	15.851	-0.003	11875	0.3786	
91 3,3'-Dichlorobenzidine	252	15.925	15.923	0.002	3474	0.3926	
93 Benzo[a]anthracene	228	15.983	15.985	-0.002	17743	0.4691	
94 Chrysene	228	16.036	16.038	-0.002	18280	0.4776	
95 Di-n-octyl phthalate	149	16.522	16.524	-0.002	10614	0.6165	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	15238	0.5085	
98 Benzo[k]fluoranthene	252	17.358	17.356	0.002	12643	0.4748	
99 Benzo[a]pyrene	252	17.825	17.822	0.003	7751	0.4727	
101 Dibenz(a,h)anthracene	278	19.825	19.823	0.002	2804	0.5241	
100 Indeno[1,2,3-cd]pyrene	276	19.840	19.837	0.003	3891	0.8363	
102 Benzo[g,h,i]perylene	276	20.426	20.433	-0.007	5198	0.8543	

Report Date: 25-Sep-2009 18:54:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D

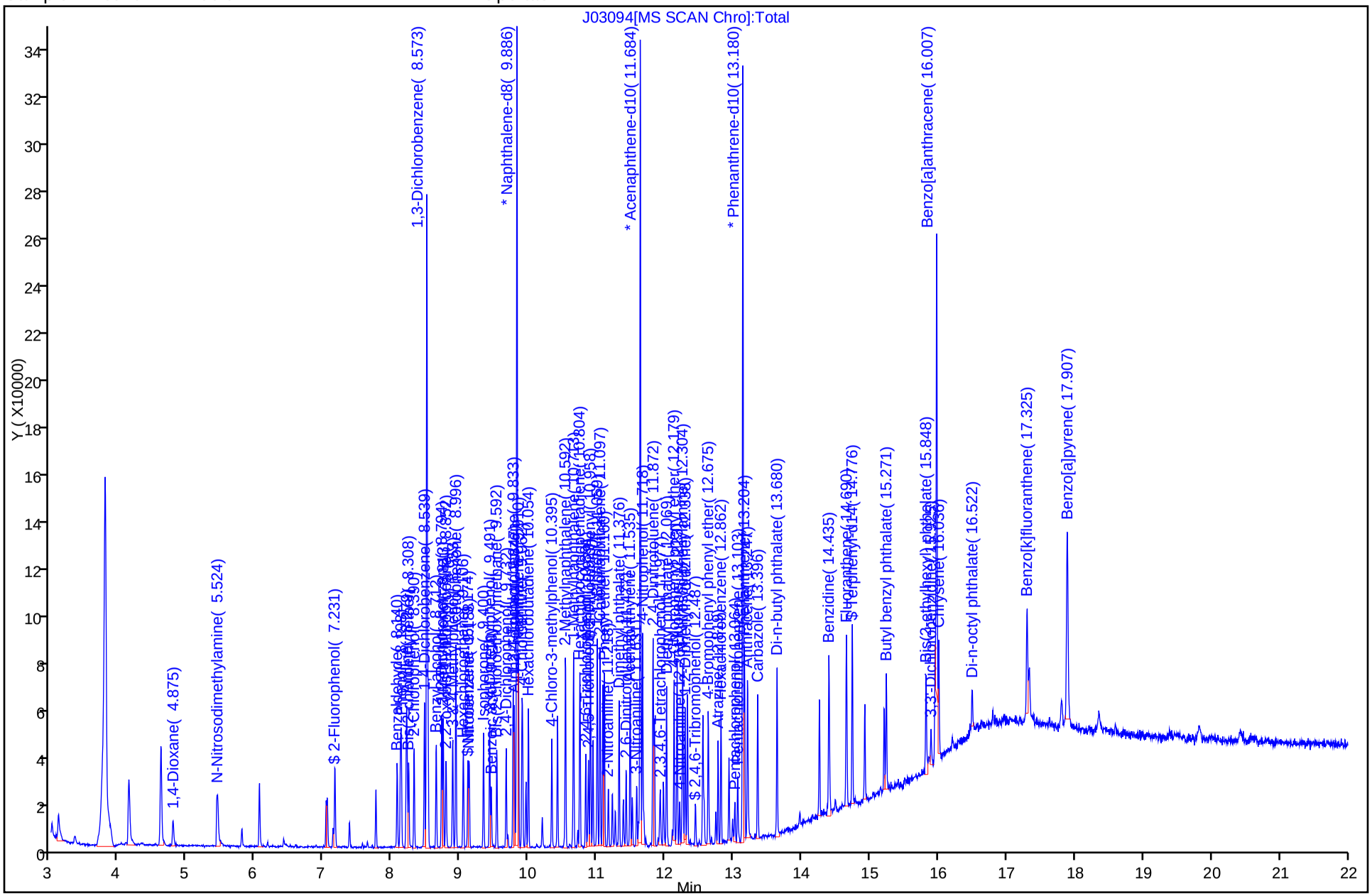
Inj Date: 23-Sep-2009 18:02:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: STD05

Sample Amount: 1.00 ul Operator:

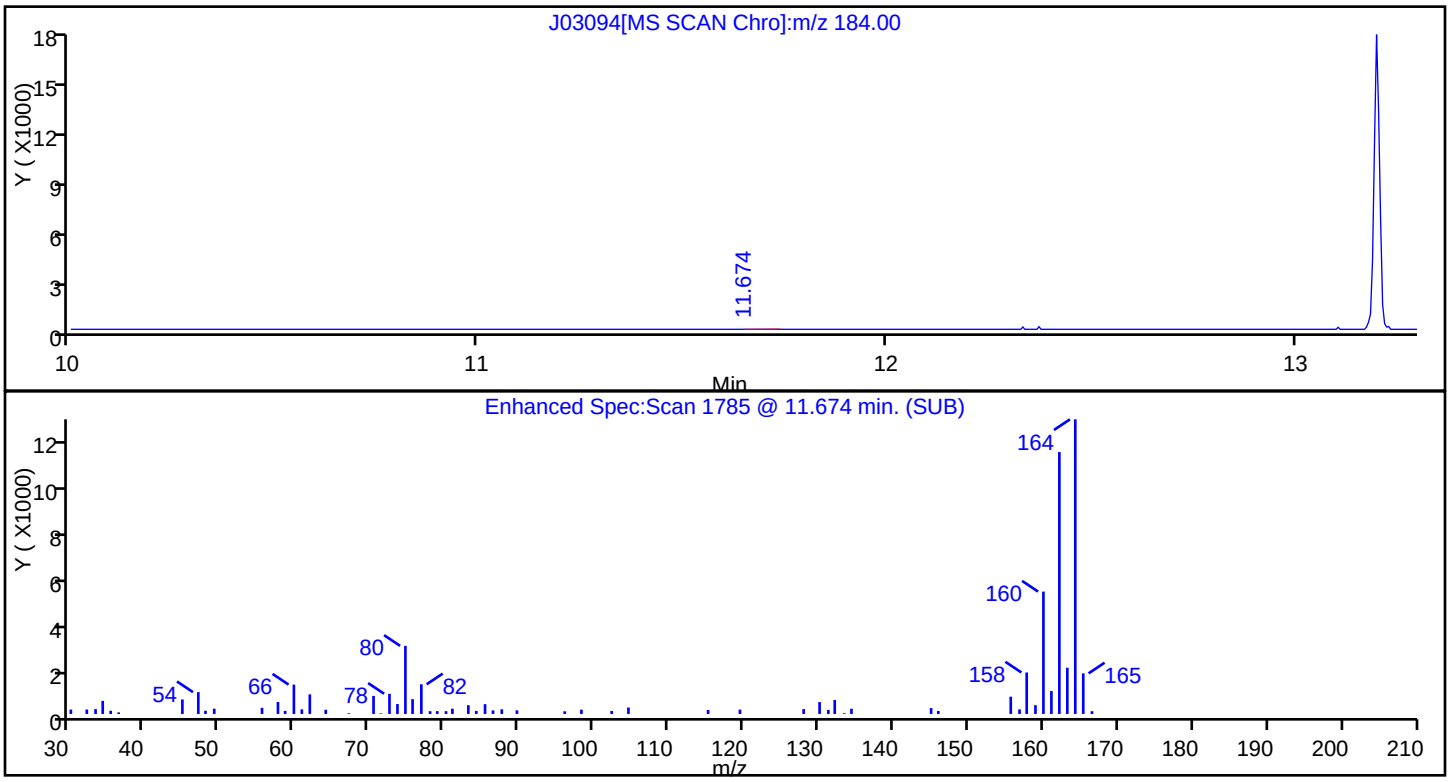


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D		
Inj Date:	23-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	STD05		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
11.67	184.00	-46	-0.030920
0.00	63.00	0	
0.00	154.00	0	

Reviewer: rachtank, 25-Sep-2009 18:54:41
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Lims ID:	std1	Client ID:	
Inject. Date:	23-Sep-2009 18:35:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD1		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49396	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:55:55	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:44:20
Reviewed By:	rachtank	Date:	25-Sep-2009 18:34:04
Reviewed By:	rachtank	Date:	25-Sep-2009 18:55:55

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.575	8.575	0.000	66717	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	152301	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	72550	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	110774	2.00	
* 5 Chrysene-d12	240	16.005	16.004	0.001	81891	2.00	
* 6 Perylene-d12	264	17.909	17.909	0.000	45813	2.00	
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	21371	1.02	
$ 8 Phenol-d5	99	8.190	8.190	0.000	26190	1.02	
$ 9 Nitrobenzene-d5	82	9.171	9.171	0.000	22568	0.9533	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	48367	1.00	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	3689	0.8501	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	32285	0.9486	
14 1,4-Dioxane	88	4.868	4.867	0.001	10362	1.04	
16 Pyridine	79	5.502	5.492	0.010	23636	1.05	
15 N-Nitrosodimethylamine	74	5.522	5.516	0.006	12122	1.03	
17 Benzaldehyde	105	8.142	8.142	0.000	14288	1.01	
18 Phenol	94	8.200	8.205	-0.005	28838	1.05	
19 Aniline	93	8.277	8.277	0.000	31731	1.00	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	23836	1.04	
21 2-Chlorophenol	128	8.388	8.387	0.001	22561	1.03	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	27161	1.05	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	28284	1.06	
24 Benzyl alcohol	79	8.710	8.709	0.001	16653	0.9400	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	26224	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.816	8.815	0.001	19984	1.01	
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.854	0.000	22462	1.02	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	20794	1.01	
29 N-Nitrosodi-n-propylamine	70	8.994	8.998	-0.004	14721	0.99	
30 Acetophenone	105	8.998	8.998	0.000	29633	1.03	
31 Hexachloroethane	117	9.104	9.104	0.000	9257	1.02	
32 Nitrobenzene	77	9.191	9.190	0.001	23789	0.99	
33 Isophorone	82	9.402	9.402	0.000	37994	0.9486	
35 2,4-Dimethylphenol	107	9.489	9.489	0.001	20346	0.9696	
34 2-Nitrophenol	139	9.513	9.513	0.000	9748	0.8611	
36 Benzoic acid	105	9.518	9.565	-0.046	2711	0.6722	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	25364	0.9764	
38 2,4-Dichlorophenol	162	9.729	9.729	0.000	15990	0.9736	
39 1,2,4-Trichlorobenzene	180	9.830	9.835	-0.005	21160	1.01	
40 Alpha-Terpineol	59	9.850	9.849	0.001	13857	0.9346	
41 Naphthalene	128	9.907	9.907	0.000	69822	1.01	
42 4-Chloroaniline	127	9.960	9.960	0.000	24184	0.9486	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	10997	1.00	
44 Caprolactam	55	10.258	10.268	-0.010	4131	0.7102	
45 4-Chloro-3-methylphenol	107	10.393	10.397	-0.004	16458	0.9386	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	43348	1.00	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	41847	0.9813	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	17000	1.02	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	6192	0.9468	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	9904	0.9426	
51 2,4,5-Trichlorophenol	196	10.931	10.931	0.000	10154	0.9408	
52 1,1'-Biphenyl	154	11.057	11.061	-0.004	50122	0.9854	
53 2-Chloronaphthalene	162	11.100	11.099	0.001	44713	0.99	
54 Phenyl ether	170	11.162	11.162	0.000	28305	1.00	
55 2-Nitroaniline	65	11.220	11.220	0.000	8495	0.8061	
56 Dimethyl phthalate	163	11.379	11.378	0.001	44319	1.01	
57 2,6-Dinitrotoluene	165	11.480	11.479	0.001	9331	0.9519	
58 Acenaphthylene	152	11.537	11.537	0.000	58185	0.99	
59 3-Nitroaniline	138	11.634	11.633	0.001	8562	0.8680	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	628	0.3813	M
61 Acenaphthene	153	11.720	11.720	0.000	38793	0.9800	M
62 4-Nitrophenol	109	11.739	11.748	-0.009	3202	1.01	
64 Dibenzofuran	168	11.869	11.874	-0.005	53493	0.9852	
63 2,4-Dinitrotoluene	165	11.879	11.878	0.001	9130	0.8051	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.979	0.001	6560	0.8610	
66 Diethyl phthalate	149	12.071	12.071	0.000	41936	0.9512	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	20044	0.9650	
69 Fluorene	166	12.220	12.225	-0.005	41331	0.9669	
68 4-Nitroaniline	138	12.259	12.263	-0.004	6422	0.8179	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	1404	0.5754	
71 Diphenylamine	169	12.302	12.306	-0.004	35851	1.04	
72 N-Nitrosodiphenylamine	169	12.302	12.306	-0.004	35851	1.04	
74 Azobenzene	77	12.340	12.340	0.000	42058	1.02	
73 1,2-Diphenylhydrazine	77	12.340	12.340	0.000	42058	1.02	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	10505	1.03	
77 Atrazine	200	12.821	12.821	0.000	9353	0.9762	
76 Hexachlorobenzene	284	12.865	12.864	0.001	10946	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.028	13.028	0.000	2623	0.8269	
79 Pentachloronitrobenzene	237	13.105	13.105	0.000	3439	0.8988	
80 Phenanthrene	178	13.206	13.206	0.000	57339	1.00	
81 Anthracene	178	13.249	13.249	0.000	50078	0.9778	
83 Carbazole	167	13.398	13.398	0.000	45716	1.01	
84 Di-n-butyl phthalate	149	13.677	13.682	-0.005	58010	0.8722	
85 Pyrene	202	14.437	14.437	0.000	49811	0.9455	
86 Benzidine	184	14.528	14.528	0.000	5022	0.8826	
87 Fluoranthene	202	14.687	14.692	-0.005	52337	0.9863	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	23271	0.8601	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	25551	0.7703	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	8206	0.8930	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	35368	0.9828	
94 Chrysene	228	16.038	16.038	0.000	35567	0.9767	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	25753	0.8945	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	30088	1.01	
98 Benzo[k]fluoranthene	252	17.356	17.356	0.000	24386	0.8950	
99 Benzo[a]pyrene	252	17.827	17.822	0.005	16828	0.9140	
101 Dibenz(a,h)anthracene	278	19.828	19.823	0.005	7536	1.02	
100 Indeno[1,2,3-cd]pyrene	276	19.837	19.837	0.000	10547	1.23	
102 Benzo[g,h,i]perylene	276	20.434	20.433	0.001	12722	1.39	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:55:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D

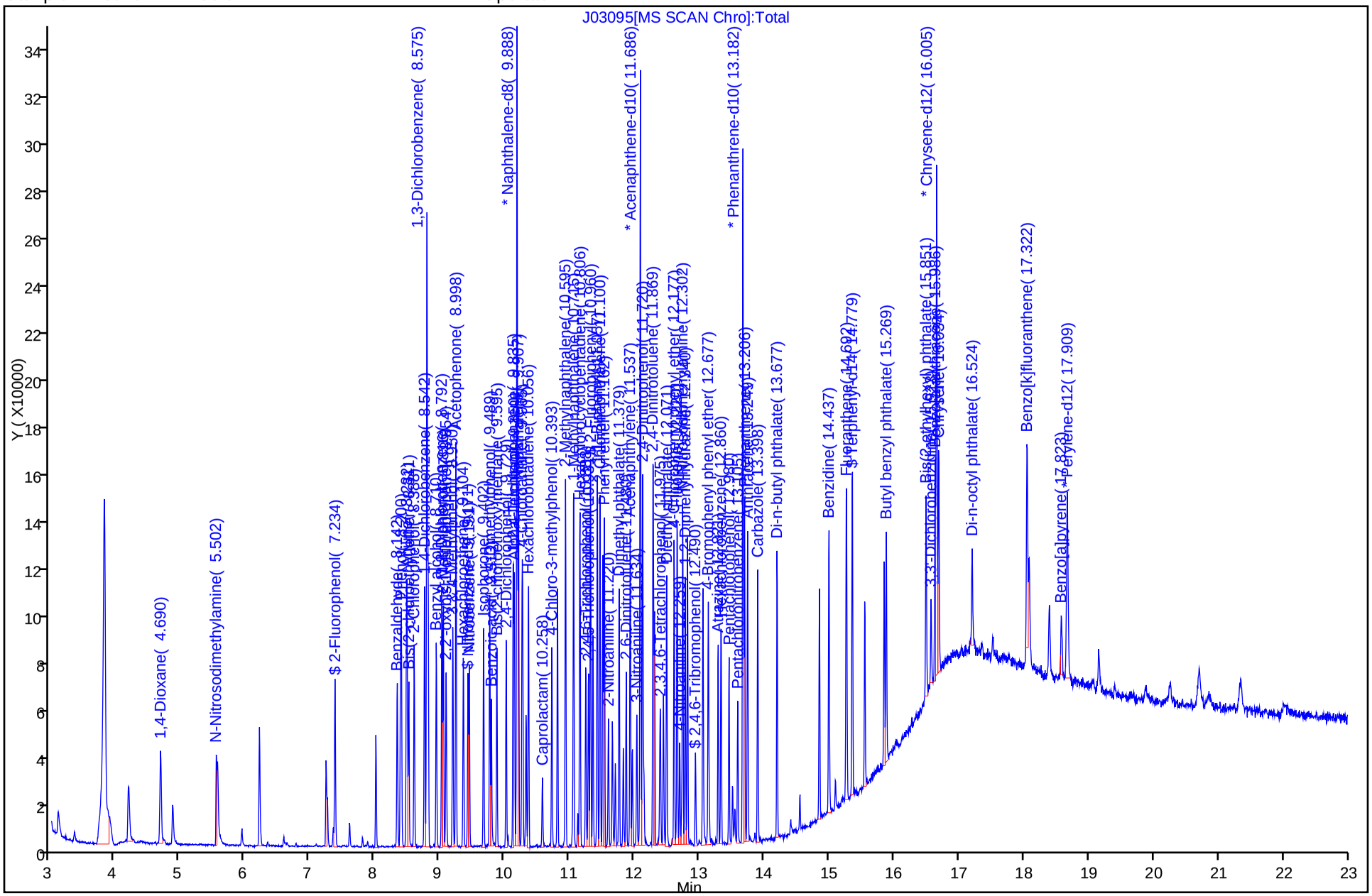
Inj Date: 23-Sep-2009 18:35:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: STD1

Sample Amount: 1.00 ul Operator:



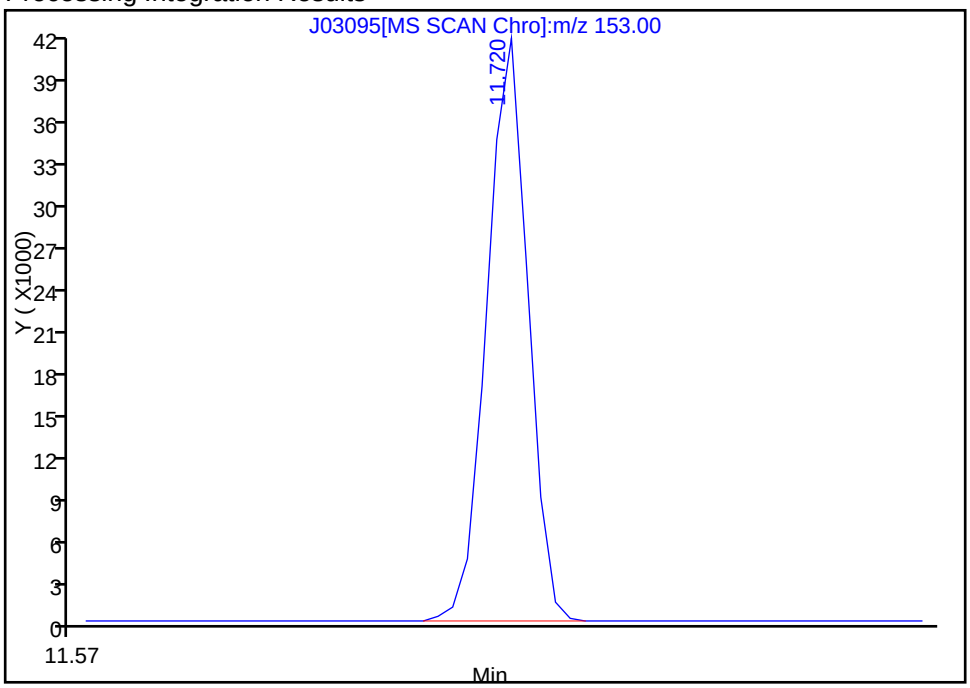
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Inj Date:	23-Sep-2009 18:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	STD1		
Sample Amount:	1.00 ul	Operator:	

61 Acenaphthene, Number: 1, m/z: 153 Type: quant, RT: 11.72

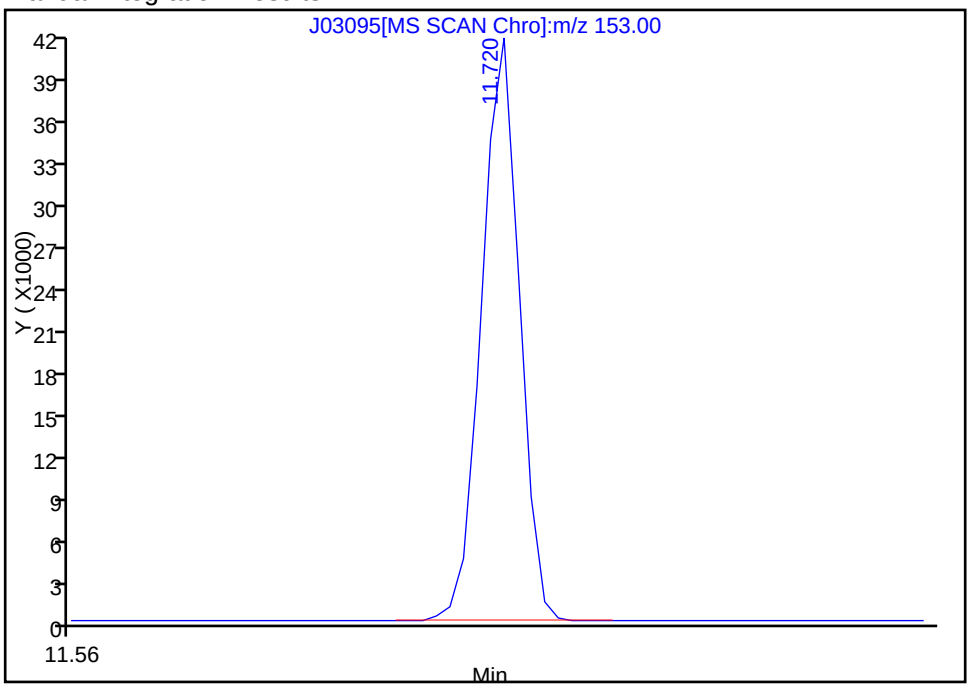
Processing Integration Results

RT: 11.72
Response: 38996
Amount: 0.984534



Manual Integration Results

RT: 11.72
Response: 38793
Amount: 0.979967



Reviewer: rachtank, 25-Sep-2009 18:55:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

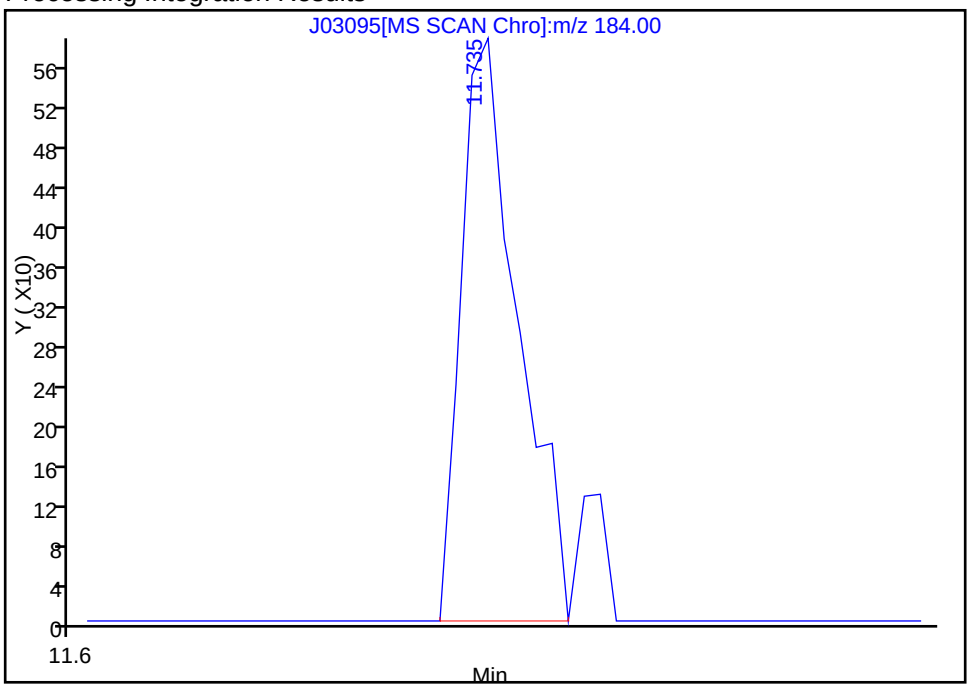
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Inj Date:	23-Sep-2009 18:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	STD1		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.73

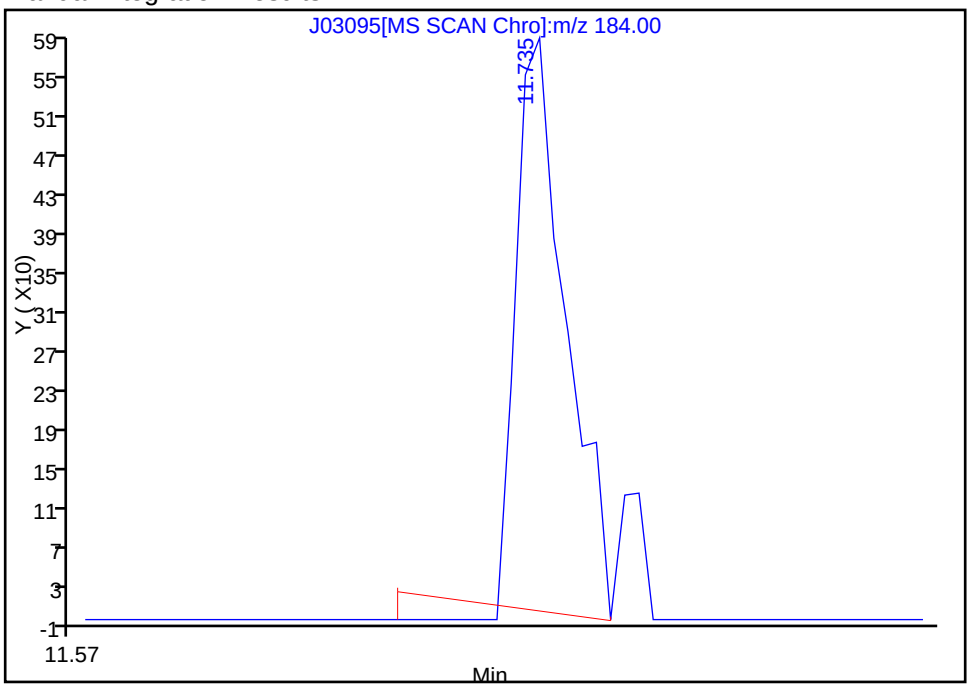
Processing Integration Results

RT: 11.73
Response: 690
Amount: 0.416354



Manual Integration Results

RT: 11.73
Response: 628
Amount: 0.381320



Reviewer: rachtank, 25-Sep-2009 18:55:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	23-Sep-2009 19:08:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49396	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:35:33	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:45:35
Reviewed By:	rachtank	Date:	25-Sep-2009 18:35:33

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.573	8.575	-0.002	81053	2.00	
* 2 Naphthalene-d8	136	9.890	9.888	0.002	179110	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	83063	2.00	
* 4 Phenanthrene-d10	188	13.179	13.182	-0.003	134165	2.00	
* 5 Chrysene-d12	240	16.007	16.004	0.003	89308	2.00	
* 6 Perylene-d12	264	17.911	17.909	0.002	39171	2.00	
$ 7 2-Fluorophenol	112	7.236	7.233	0.003	66988	2.64	
$ 8 Phenol-d5	99	8.193	8.190	0.003	82200	2.64	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	72444	2.60	
$ 10 2-Fluorobiphenyl	172	10.958	10.960	-0.002	148727	2.69	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	12826	2.29	
$ 12 Terphenyl-d14	244	14.776	14.778	-0.002	106527	2.87	
14 1,4-Dioxane	88	4.870	4.867	0.003	29647	2.68	
16 Pyridine	79	5.500	5.492	0.008	72876	2.66	
15 N-Nitrosodimethylamine	74	5.524	5.516	0.008	36850	2.58	
17 Benzaldehyde	105	8.140	8.142	-0.002	44410	2.59	
18 Phenol	94	8.202	8.205	-0.003	86822	2.61	
19 Aniline	93	8.274	8.277	-0.003	102055	2.64	
20 Bis(2-chloroethyl)ether	93	8.308	8.310	-0.002	71937	2.59	
21 2-Chlorophenol	128	8.390	8.387	0.003	70712	2.66	
22 1,4-Dichlorobenzene	146	8.539	8.536	0.003	81109	2.58	
23 1,3-Dichlorobenzene	146	8.592	8.589	0.003	82988	2.56	
24 Benzyl alcohol	79	8.712	8.709	0.003	56553	2.63	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	77137	2.52	
26 2-Methylphenol	108	8.813	8.815	-0.002	63545	2.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.851	8.854	-0.003	67171	2.51	
28 3 & 4 Methylphenol	108	8.952	8.950	0.002	65669	2.64	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	47442	2.63	
30 Acetophenone	105	9.001	8.998	0.002	92401	3.52	
31 Hexachloroethane	117	9.106	9.104	0.002	28791	2.60	
32 Nitrobenzene	77	9.193	9.190	0.003	74856	2.65	
33 Isophorone	82	9.400	9.402	-0.002	126741	2.69	
35 2,4-Dimethylphenol	107	9.491	9.489	0.003	65762	2.66	
34 2-Nitrophenol	139	9.510	9.513	-0.003	32129	2.26	
36 Benzoic acid	105	9.520	9.520	0.000	6632	1.18	M
37 Bis(2-chloroethoxy)methane	93	9.592	9.594	-0.002	79143	2.59	
38 2,4-Dichlorophenol	162	9.731	9.729	0.002	52736	2.73	
39 1,2,4-Trichlorobenzene	180	9.832	9.835	-0.003	63933	2.60	
40 Alpha-Terpineol	59	9.847	9.849	-0.002	46435	2.66	
41 Naphthalene	128	9.909	9.907	0.002	213094	2.62	
42 4-Chloroaniline	127	9.962	9.960	0.002	79976	2.67	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	34945	2.69	
44 Caprolactam	55	10.260	10.268	-0.008	16438	2.15	
45 4-Chloro-3-methylphenol	107	10.395	10.397	-0.002	55673	2.70	
46 2-Methylnaphthalene	142	10.597	10.595	0.002	133528	2.62	
47 1-Methylnaphthalene	142	10.712	10.715	-0.003	129966	2.59	
49 1,2,4,5-Tetrachlorobenzene	216	10.804	10.806	-0.002	50925	2.60	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	16728	2.23	
50 2,4,6-Trichlorophenol	196	10.890	10.893	-0.003	34145	2.84	
51 2,4,5-Trichlorophenol	196	10.929	10.931	-0.002	34033	2.75	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	157292	2.70	
53 2-Chloronaphthalene	162	11.097	11.099	-0.002	137859	2.67	
54 Phenyl ether	170	11.164	11.162	0.002	85777	2.59	
55 2-Nitroaniline	65	11.222	11.220	0.002	32228	2.48	
56 Dimethyl phthalate	163	11.376	11.378	-0.002	136430	2.72	
57 2,6-Dinitrotoluene	165	11.482	11.479	0.003	31772	2.74	
58 Acenaphthylene	152	11.540	11.537	0.003	188647	2.81	
59 3-Nitroaniline	138	11.636	11.633	0.003	31206	2.30	
61 Acenaphthene	153	11.717	11.720	-0.003	120968	2.67	
60 2,4-Dinitrophenol	184	11.732	11.729	0.003	1722	0.8883	
62 4-Nitrophenol	109	11.737	11.739	-0.002	10604	2.82	
64 Dibenzofuran	168	11.871	11.874	-0.003	166897	2.68	
63 2,4-Dinitrotoluene	165	11.876	11.878	-0.002	34984	2.44	
65 2,3,4,6-Tetrachlorophenol	232	11.977	11.979	-0.002	20286	2.13	
66 Diethyl phthalate	149	12.069	12.071	-0.002	135392	2.68	
67 4-Chlorophenyl phenyl ether	204	12.179	12.177	0.002	64698	2.72	
69 Fluorene	166	12.222	12.225	-0.003	135567	2.77	
68 4-Nitroaniline	138	12.261	12.263	-0.002	24458	2.51	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	3565	1.21	
71 Diphenylamine	169	12.304	12.306	-0.002	113882	3.98	
72 N-Nitrosodiphenylamine	169	12.304	12.306	-0.002	113882	2.72	
74 Azobenzene	77	12.338	12.340	-0.002	138716	2.77	
73 1,2-Diphenylhydrazine	77	12.338	12.340	-0.002	138716	2.77	
75 4-Bromophenyl phenyl ether	248	12.679	12.677	0.002	33480	2.70	
77 Atrazine	200	12.824	12.821	0.003	33587	2.89	
76 Hexachlorobenzene	284	12.862	12.864	-0.002	34827	2.74	
78 Pentachlorophenol	266	13.030	13.028	0.002	8409	1.92	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.107	13.105	0.002	12544	2.56	
80 Phenanthrene	178	13.203	13.206	-0.003	181339	2.62	
81 Anthracene	178	13.251	13.249	0.002	169356	2.73	
83 Carbazole	167	13.396	13.398	-0.002	148484	2.71	
84 Di-n-butyl phthalate	149	13.679	13.682	-0.003	207680	2.58	
85 Pyrene	202	14.434	14.437	-0.003	162928	2.84	
86 Benzidine	184	14.531	14.528	0.003	27485	2.65	
87 Fluoranthene	202	14.689	14.692	-0.003	173558	2.70	
89 Butyl benzyl phthalate	149	15.271	15.273	-0.002	85277	2.76	
92 Bis(2-ethylhexyl) phthalate	149	15.853	15.851	0.002	96072	2.49	
91 3,3'-Dichlorobenzidine	252	15.925	15.923	0.002	28376	2.71	
93 Benzo[a]anthracene	228	15.983	15.985	-0.002	105274	2.68	
94 Chrysene	228	16.036	16.038	-0.002	103347	2.60	
95 Di-n-octyl phthalate	149	16.521	16.524	-0.003	104914	2.59	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	75731	2.84	
98 Benzo[k]fluoranthene	252	17.353	17.356	-0.003	69628	2.80	
99 Benzo[a]pyrene	252	17.820	17.822	-0.002	42234	2.41	
101 Dibenz(a,h)anthracene	278	19.820	19.823	-0.003	21884	2.74	
100 Indeno[1,2,3-cd]pyrene	276	19.835	19.837	-0.002	27307	2.46	
102 Benzo[g,h,i]perylene	276	20.431	20.433	-0.002	26729	2.66	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:35:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D

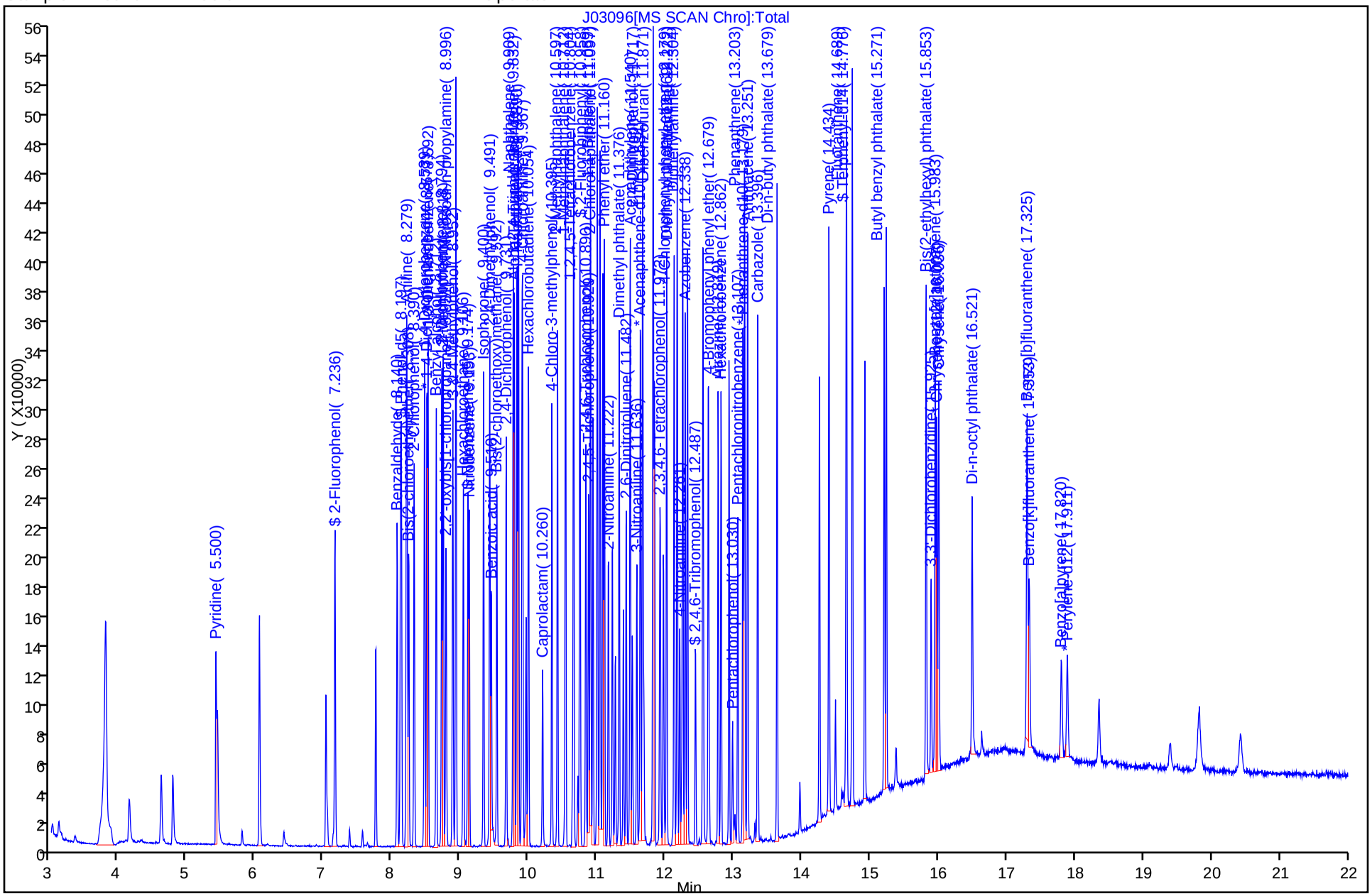
Inj Date: 23-Sep-2009 19:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: STD25

Sample Amount: 1.00 ul Operator:



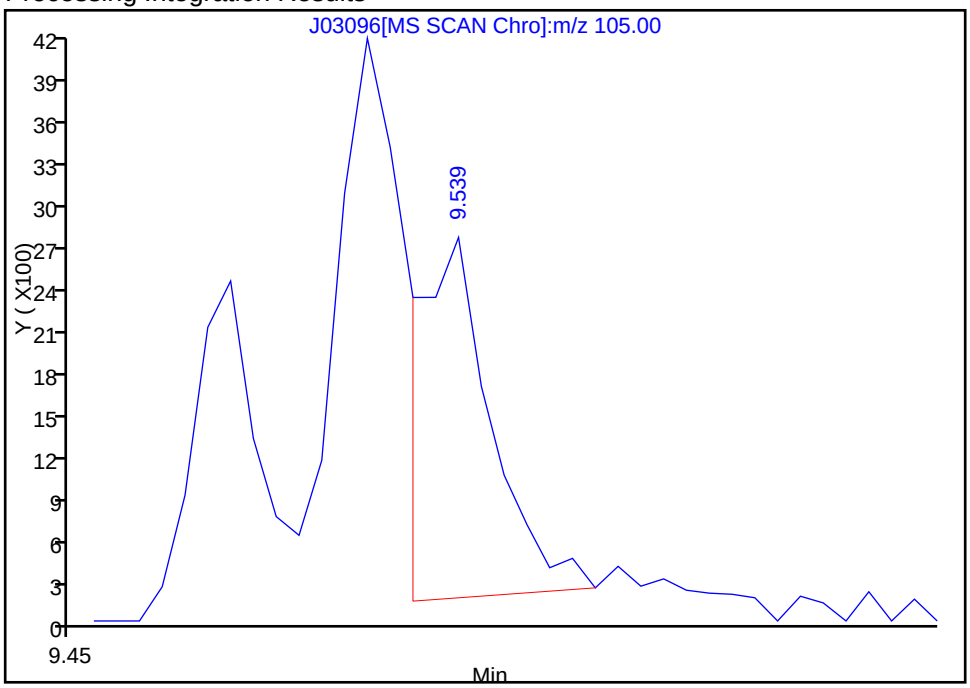
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D		
Inj Date:	23-Sep-2009 19:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	STD25		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.52

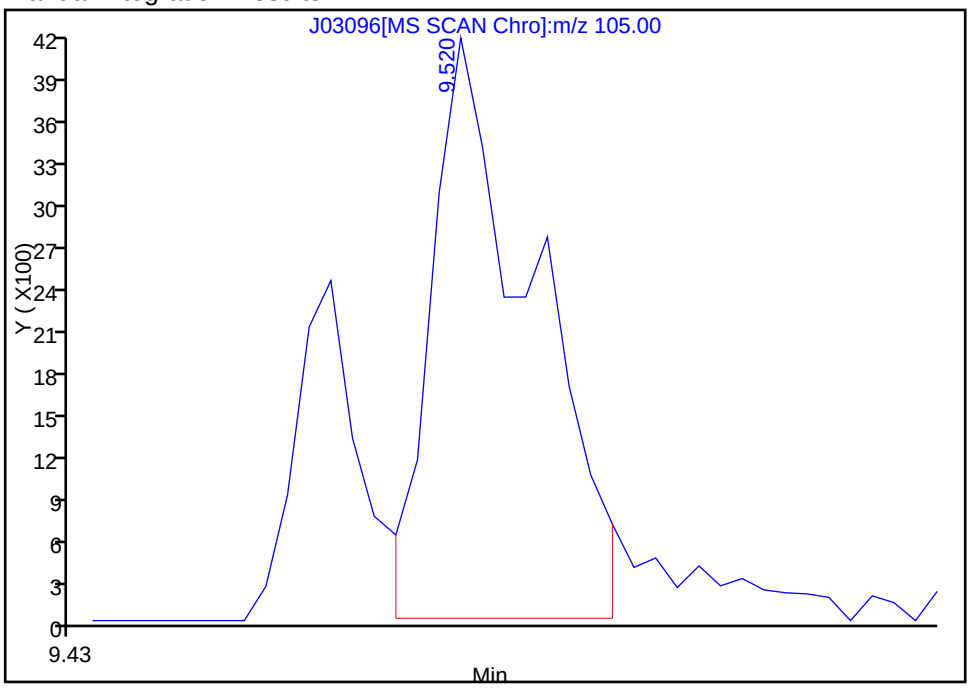
Processing Integration Results

RT: 9.54
Response: 2928
Amount: 0.542661



Manual Integration Results

RT: 9.52
Response: 6632
Amount: 1.182745



Reviewer: rachtank, 25-Sep-2009 18:35:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03097.D		
Lims ID:	std8	Client ID:	
Inject. Date:	23-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD8		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49396	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:36:11	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:46:24
Reviewed By:	rachtank	Date:	25-Sep-2009 17:57:31
Reviewed By:	rachtank	Date:	25-Sep-2009 18:36:11

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.573	8.575	-0.002	101230	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	183960	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	88188	2.00	
* 4 Phenanthrene-d10	188	13.185	13.182	0.003	141239	2.00	
* 5 Chrysene-d12	240	16.008	16.004	0.004	101622	2.00	
* 6 Perylene-d12	264	17.912	17.909	0.003	45243	2.00	
$ 7 2-Fluorophenol	112	7.236	7.233	0.003	227477	7.17	
$ 8 Phenol-d5	99	8.193	8.190	0.003	274575	7.05	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	246121	8.61	
$ 10 2-Fluorobiphenyl	172	10.963	10.960	0.003	473319	8.07	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	51274	8.48	
$ 12 Terphenyl-d14	244	14.777	14.778	-0.001	350468	8.30	
14 1,4-Dioxane	88	4.871	4.867	0.003	91100	6.84	
16 Pyridine	79	5.496	5.492	0.004	238381	6.97	
15 N-Nitrosodimethylamine	74	5.525	5.516	0.008	122509	6.88	
17 Benzaldehyde	105	8.140	8.142	-0.002	147523	6.88	
18 Phenol	94	8.208	8.205	0.003	287740	6.93	
19 Aniline	93	8.275	8.277	-0.002	339537	7.04	
20 Bis(2-chloroethyl)ether	93	8.314	8.310	0.004	232970	6.71	
21 2-Chlorophenol	128	8.391	8.387	0.004	234461	7.07	
22 1,4-Dichlorobenzene	146	8.540	8.536	0.004	260153	6.63	
23 1,3-Dichlorobenzene	146	8.593	8.589	0.004	266473	6.57	
24 Benzyl alcohol	79	8.713	8.709	0.004	194085	7.22	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	246044	6.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.819	8.815	0.004	211347	7.06	
27 2,2'-oxybis[1-chloropropane]	45	8.852	8.854	-0.002	221300	6.63	
28 3 & 4 Methylphenol	108	8.953	8.950	0.003	220605	7.10	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	161665	7.19	
30 Acetophenone	105	9.001	8.998	0.003	300377	8.30	
31 Hexachloroethane	117	9.107	9.104	0.003	98020	7.09	
32 Nitrobenzene	77	9.194	9.190	0.004	247953	8.55	
33 Isophorone	82	9.400	9.402	-0.002	434745	8.99	
35 2,4-Dimethylphenol	107	9.492	9.489	0.004	216487	8.54	
34 2-Nitrophenol	139	9.516	9.513	0.003	125838	8.40	
36 Benzoic acid	105	9.540	9.520	0.020	53468	9.28	
37 Bis(2-chloroethoxy)methane	93	9.598	9.594	0.004	258859	8.25	
38 2,4-Dichlorophenol	162	9.732	9.729	0.003	176724	8.91	
39 1,2,4-Trichlorobenzene	180	9.833	9.835	-0.002	202853	8.04	
40 Alpha-Terpineol	59	9.852	9.849	0.003	158338	8.84	
41 Naphthalene	128	9.910	9.907	0.003	665484	7.97	
42 4-Chloroaniline	127	9.963	9.960	0.003	262963	8.54	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	107617	8.07	
44 Caprolactam	55	10.276	10.268	0.008	65044	8.01	
45 4-Chloro-3-methylphenol	107	10.401	10.397	0.004	191559	9.04	
46 2-Methylnaphthalene	142	10.598	10.595	0.003	421070	8.04	
47 1-Methylnaphthalene	142	10.713	10.715	-0.002	413805	8.03	
49 1,2,4,5-Tetrachlorobenzene	216	10.805	10.806	-0.001	160435	7.96	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	68457	8.61	
50 2,4,6-Trichlorophenol	196	10.891	10.893	-0.002	119298	9.34	
51 2,4,5-Trichlorophenol	196	10.934	10.931	0.003	122365	9.33	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	491438	7.95	
53 2-Chloronaphthalene	162	11.103	11.099	0.004	442774	8.09	
54 Phenyl ether	170	11.160	11.162	-0.002	273265	8.02	
55 2-Nitroaniline	65	11.223	11.220	0.003	117088	8.31	
56 Dimethyl phthalate	163	11.382	11.378	0.004	446933	8.40	
57 2,6-Dinitrotoluene	165	11.483	11.479	0.004	107580	8.64	
58 Acenaphthylene	152	11.540	11.537	0.003	614292	8.61	
59 3-Nitroaniline	138	11.636	11.633	0.003	106486	6.80	
61 Acenaphthene	153	11.718	11.720	-0.002	388249	8.06	
60 2,4-Dinitrophenol	184	11.733	11.729	0.004	16775	8.15	
62 4-Nitrophenol	109	11.742	11.739	0.003	51933	13.0	
64 Dibenzofuran	168	11.872	11.874	-0.002	537246	8.14	
63 2,4-Dinitrotoluene	165	11.882	11.878	0.004	131054	8.35	
65 2,3,4,6-Tetrachlorophenol	232	11.978	11.979	-0.001	84995	8.09	
66 Diethyl phthalate	149	12.069	12.071	-0.002	440888	8.23	
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	206118	8.16	
69 Fluorene	166	12.223	12.225	-0.002	433421	8.34	
68 4-Nitroaniline	138	12.266	12.263	0.003	84166	7.92	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	28674	9.22	
71 Diphenylamine	169	12.305	12.306	-0.001	375207	10.7	
72 N-Nitrosodiphenylamine	169	12.305	12.306	-0.001	375207	8.53	
74 Azobenzene	77	12.339	12.340	-0.001	464232	8.82	
73 1,2-Diphenylhydrazine	77	12.339	12.340	-0.001	464232	8.82	
75 4-Bromophenyl phenyl ether	248	12.680	12.677	0.003	108400	8.32	
77 Atrazine	200	12.824	12.821	0.003	114254	9.35	
76 Hexachlorobenzene	284	12.863	12.864	-0.001	109117	8.15	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.031	13.028	0.003	45066	8.19	
79 Pentachloronitrobenzene	237	13.108	13.105	0.003	43126	8.21	
80 Phenanthrene	178	13.209	13.206	0.003	585121	8.02	
81 Anthracene	178	13.252	13.249	0.003	567916	8.70	
83 Carbazole	167	13.401	13.398	0.003	499105	8.65	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	707440	8.34	
85 Pyrene	202	14.435	14.437	-0.002	549157	8.40	
86 Benzidine	184	14.531	14.528	0.003	84586	7.01	
87 Fluoranthene	202	14.690	14.692	-0.002	571286	8.44	
89 Butyl benzyl phthalate	149	15.272	15.273	-0.001	296221	8.33	
92 Bis(2-ethylhexyl) phthalate	149	15.849	15.851	-0.002	368890	8.24	
91 3,3'-Dichlorobenzidine	252	15.926	15.923	0.003	93475	7.75	
93 Benzo[a]anthracene	228	15.984	15.985	-0.001	382040	8.55	
94 Chrysene	228	16.037	16.038	-0.001	361160	7.99	
95 Di-n-octyl phthalate	149	16.522	16.524	-0.002	450597	8.44	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	276624	8.84	
98 Benzo[k]fluoranthene	252	17.359	17.356	0.003	241262	8.22	
99 Benzo[a]pyrene	252	17.825	17.822	0.003	175440	8.30	
101 Dibenz(a,h)anthracene	278	19.821	19.823	-0.002	93152	8.35	
100 Indeno[1,2,3-cd]pyrene	276	19.835	19.837	-0.002	117962	7.47	
102 Benzo[g,h,i]perylene	276	20.437	20.433	0.004	103457	7.68	

Report Date: 25-Sep-2009 18:36:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03097.D

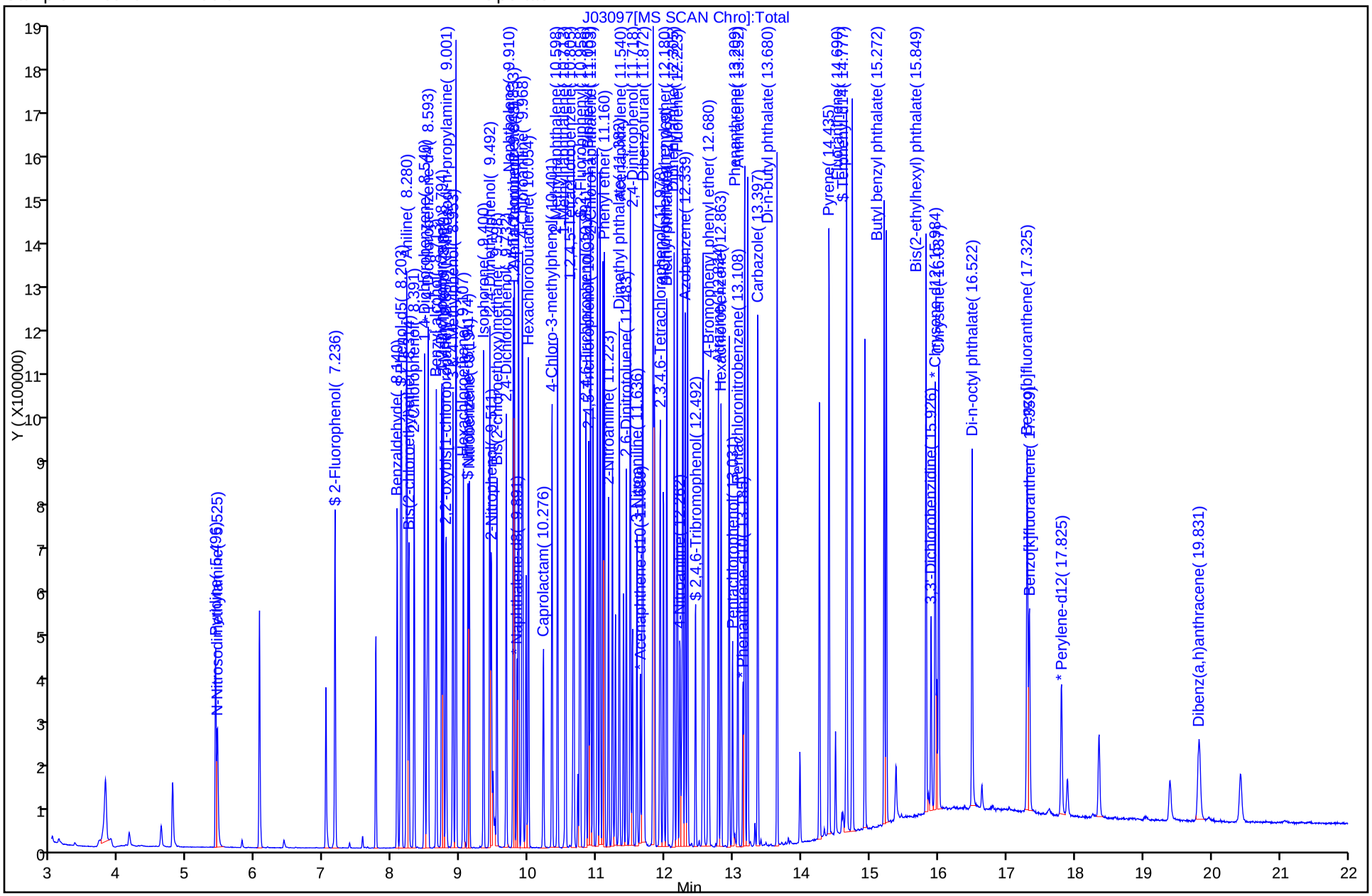
Inj Date: 23-Sep-2009 19:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: STD8

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03098.D		
Lims ID:	std10	Client ID:	
Inject. Date:	23-Sep-2009 20:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD10		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49396	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:36:52	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:48:02
Reviewed By:	rachtank	Date:	25-Sep-2009 18:36:52

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.576	8.575	0.001	64784	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.001	137203	2.00	
* 3 Acenaphthene-d10	164	11.687	11.686	0.001	68298	2.00	
* 4 Phenanthrene-d10	188	13.183	13.182	0.001	111787	2.00	
* 5 Chrysene-d12	240	16.010	16.004	0.006	80330	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	36149	2.00	s
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	207372	10.2	
$ 8 Phenol-d5	99	8.191	8.190	0.001	249631	10.0	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	225785	10.6	
$ 10 2-Fluorobiphenyl	172	10.961	10.960	0.001	441120	9.71	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	46181	9.64	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	322292	9.65	
14 1,4-Dioxane	88	4.854	4.867	-0.013	82454	9.74	
16 Pyridine	79	5.484	5.492	-0.008	219939	10.0	
15 N-Nitrosodimethylamine	74	5.517	5.516	0.001	111736	9.80	
17 Benzaldehyde	105	8.143	8.142	0.001	136902	9.98	
18 Phenol	94	8.205	8.205	0.000	262366	9.87	
19 Aniline	93	8.278	8.277	0.001	317062	10.3	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	208662	9.40	
21 2-Chlorophenol	128	8.388	8.387	0.001	212084	9.99	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	238255	9.49	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	244127	9.41	
24 Benzyl alcohol	79	8.710	8.709	0.001	177482	10.3	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	224603	9.20	
26 2-Methylphenol	108	8.816	8.815	0.001	194663	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	202298	9.47	
28 3 & 4 Methylphenol	108	8.956	8.950	0.006	201229	10.1	
29 N-Nitrosodi-n-propylamine	70	8.999	8.998	0.001	147442	10.2	
30 Acetophenone	105	8.999	8.998	0.001	275334	10.7	
31 Hexachloroethane	117	9.105	9.104	0.001	87769	9.92	
32 Nitrobenzene	77	9.191	9.190	0.001	227171	10.5	
33 Isophorone	82	9.403	9.402	0.001	402572	11.2	
35 2,4-Dimethylphenol	107	9.494	9.489	0.006	197346	10.4	
34 2-Nitrophenol	139	9.513	9.513	0.000	109921	9.83	
36 Benzoic acid	105	9.538	9.520	0.018	40193	9.36	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	237295	10.1	
38 2,4-Dichlorophenol	162	9.735	9.729	0.006	163946	11.1	
39 1,2,4-Trichlorobenzene	180	9.836	9.835	0.001	185304	9.85	
40 Alpha-Terpineol	59	9.850	9.849	0.001	145534	10.9	
41 Naphthalene	128	9.913	9.907	0.006	613972	9.86	
42 4-Chloroaniline	127	9.961	9.960	0.001	251005	10.9	
43 Hexachlorobutadiene	225	10.057	10.056	0.001	100787	10.1	
44 Caprolactam	55	10.273	10.268	0.005	61126	10.1	
45 4-Chloro-3-methylphenol	107	10.398	10.397	0.001	176141	11.2	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	391886	10.0	
47 1-Methylnaphthalene	142	10.716	10.715	0.001	381670	9.93	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.806	0.001	150658	10.0	
48 Hexachlorocyclopentadiene	237	10.812	10.811	0.001	61875	10.1	
50 2,4,6-Trichlorophenol	196	10.894	10.893	0.001	109466	11.1	
51 2,4,5-Trichlorophenol	196	10.932	10.931	0.001	112896	11.1	
52 1,1'-Biphenyl	154	11.062	11.061	0.001	461945	9.65	
53 2-Chloronaphthalene	162	11.100	11.099	0.001	411212	9.70	
54 Phenyl ether	170	11.163	11.162	0.001	254125	10.0	
55 2-Nitroaniline	65	11.221	11.220	0.001	106585	9.75	
56 Dimethyl phthalate	163	11.379	11.378	0.001	415702	10.1	
57 2,6-Dinitrotoluene	165	11.485	11.479	0.006	98900	10.2	
58 Acenaphthylene	152	11.538	11.537	0.001	568052	10.3	
59 3-Nitroaniline	138	11.639	11.633	0.006	98513	9.56	
61 Acenaphthene	153	11.721	11.720	0.001	364159	9.77	
60 2,4-Dinitrophenol	184	11.730	11.729	0.001	15951	10.0	
62 4-Nitrophenol	109	11.740	11.739	0.001	46446	15.0	
64 Dibenzofuran	168	11.875	11.874	0.001	497711	9.74	
63 2,4-Dinitrotoluene	165	11.879	11.878	0.001	122207	10.0	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.979	0.001	78954	9.69	
66 Diethyl phthalate	149	12.072	12.071	0.001	411939	9.92	
67 4-Chlorophenyl phenyl ether	204	12.182	12.177	0.005	191869	9.81	
69 Fluorene	166	12.226	12.225	0.001	398525	9.90	
68 4-Nitroaniline	138	12.264	12.263	0.001	82604	10.0	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	26767	10.9	
71 Diphenylamine	169	12.307	12.306	0.001	345340	11.0	
72 N-Nitrosodiphenylamine	169	12.307	12.306	0.001	345340	9.91	
74 Azobenzene	77	12.341	12.340	0.001	432039	10.4	
73 1,2-Diphenylhydrazine	77	12.341	12.340	0.001	432039	10.4	
75 4-Bromophenyl phenyl ether	248	12.678	12.677	0.001	99880	9.68	
77 Atrazine	200	12.822	12.821	0.001	105613	10.9	
76 Hexachlorobenzene	284	12.865	12.864	0.001	101215	9.55	
78 Pentachlorophenol	266	13.029	13.028	0.001	40693	9.16	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	40940	9.83	
80 Phenanthrene	178	13.207	13.206	0.001	548703	9.50	
81 Anthracene	178	13.250	13.249	0.001	532662	10.3	
83 Carbazole	167	13.399	13.398	0.001	457687	10.0	
84 Di-n-butyl phthalate	149	13.678	13.682	-0.004	656365	9.78	
85 Pyrene	202	14.438	14.437	0.001	501474	9.70	
86 Benzidine	184	14.529	14.528	0.001	103873	10.7	
87 Fluoranthene	202	14.693	14.692	0.001	534213	9.98	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	274383	9.75	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	346395	9.77	
91 3,3'-Dichlorobenzidine	252	15.924	15.923	0.001	100441	10.5	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	358671	10.2	
94 Chrysene	228	16.039	16.038	0.001	338655	9.48	
95 Di-n-octyl phthalate	149	16.525	16.524	0.001	414548	9.65	
97 Benzo[b]fluoranthene	252	17.328	17.327	0.001	267242	10.7	
98 Benzo[k]fluoranthene	252	17.357	17.356	0.001	234013	9.96	
99 Benzo[a]pyrene	252	17.828	17.822	0.006	171125	10.1	
101 Dibenz(a,h)anthracene	278	19.819	19.823	-0.004	93897	10.1	
100 Indeno[1,2,3-cd]pyrene	276	19.833	19.837	-0.004	119142	9.28	
102 Benzo[g,h,i]perylene	276	20.434	20.433	0.001	100108	9.19	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 25-Sep-2009 18:36:53 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03098.D

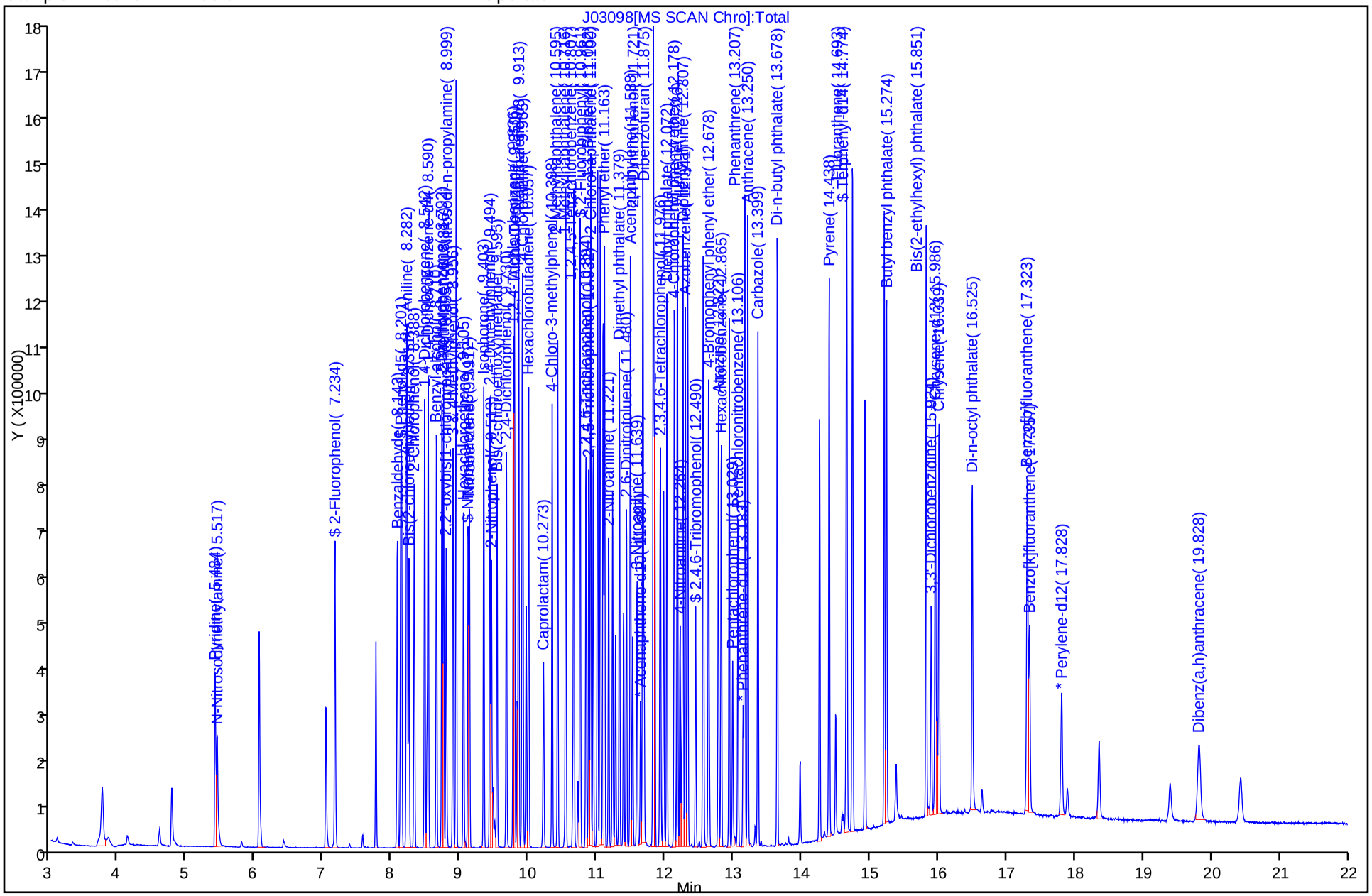
Inj Date: 23-Sep-2009 20:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: STD10

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Lims ID:	std20	Client ID:	
Inject. Date:	23-Sep-2009 20:48:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	ICV		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49396	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:06:05	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 16:48:50
Reviewed By:	rachtank	Date:	25-Sep-2009 18:43:41
Reviewed By:	rachtank	Date:	25-Sep-2009 18:59:22
Reviewed By:	rachtank	Date:	25-Sep-2009 19:06:05

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.579	8.575	0.004	79202	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	185673	2.00	
* 3 Acenaphthene-d10	164	11.690	11.686	0.004	91668	2.00	
* 4 Phenanthrene-d10	188	13.186	13.182	0.004	150523	2.00	
* 5 Chrysene-d12	240	16.008	16.004	0.004	104606	2.00	
* 6 Perylene-d12	264	17.913	17.909	0.004	50410	2.00	
$ 7 2-Fluorophenol	112	7.237	7.233	0.004	550118	22.2	5
$ 8 Phenol-d5	99	8.199	8.190	0.009	659207	21.6	5
$ 9 Nitrobenzene-d5	82	9.180	9.171	0.009	614260	21.3	5
$ 10 2-Fluorobiphenyl	172	10.964	10.960	0.004	1119193	18.4	
$ 11 2,4,6-Tribromophenol	330	12.493	12.489	0.004	133076	20.5	5
$ 12 Terphenyl-d14	244	14.782	14.778	0.004	851109	19.6	
14 1,4-Dioxane	88	4.866	4.867	-0.001	219425	21.4	5
16 Pyridine	79	5.491	5.492	-0.001	587683	22.0	5
15 N-Nitrosodimethylamine	74	5.525	5.516	0.009	304523	21.9	5
17 Benzaldehyde	105	8.146	8.142	0.004	354559	21.1	5
18 Phenol	94	8.208	8.205	0.003	691050	21.3	5
19 Aniline	93	8.281	8.277	0.004	843876	22.4	5
20 Bis(2-chloroethyl)ether	93	8.314	8.310	0.004	545442	20.1	5
21 2-Chlorophenol	128	8.391	8.387	0.004	566781	21.8	5
22 1,4-Dichlorobenzene	146	8.545	8.536	0.009	625642	20.4	5
23 1,3-Dichlorobenzene	146	8.593	8.589	0.004	639869	20.2	5
24 Benzyl alcohol	79	8.718	8.709	0.009	490545	23.3	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	8.795	8.791	0.004	579998	19.4	
26 2-Methylphenol	108	8.819	8.815	0.004	515444	22.0	5
27 2,2'-oxybis[1-chloropropane]	45	8.858	8.854	0.004	541137	20.7	5
28 3 & 4 Methylphenol	108	8.959	8.950	0.009	536187	22.0	5
29 N-Nitrosodi-n-propylamine	70	9.007	8.998	0.009	400330	22.8	5
30 Acetophenone	105	9.007	8.998	0.009	723832	21.1	5
31 Hexachloroethane	117	9.108	9.104	0.004	241906	22.4	5
32 Nitrobenzene	77	9.199	9.190	0.009	616989	21.1	5
33 Isophorone	82	9.406	9.402	0.004	1077260	22.1	5
35 2,4-Dimethylphenol	107	9.497	9.489	0.009	535823	20.9	5
34 2-Nitrophenol	139	9.516	9.513	0.003	308704	20.3	5
36 Benzoic acid	105	9.565	9.565	0.000	224331	20.0	5M
37 Bis(2-chloroethoxy)methane	93	9.598	9.594	0.004	629695	19.9	
38 2,4-Dichlorophenol	162	9.738	9.729	0.009	435981	21.8	5
39 1,2,4-Trichlorobenzene	180	9.834	9.835	-0.001	478405	18.8	
40 Alpha-Terpineol	59	9.853	9.849	0.004	395511	21.9	5
41 Naphthalene	128	9.916	9.907	0.009	1590671	18.9	
42 4-Chloroaniline	127	9.964	9.960	0.004	674792	21.7	5
43 Hexachlorobutadiene	225	10.060	10.056	0.004	257437	19.1	
44 Caprolactam	55	10.295	10.268	0.027	172985	20.9	5
45 4-Chloro-3-methylphenol	107	10.406	10.397	0.009	484578	22.7	5
46 2-Methylnaphthalene	142	10.598	10.595	0.003	1015979	19.2	
47 1-Methylnaphthalene	142	10.719	10.715	0.004	996316	19.2	
49 1,2,4,5-Tetrachlorobenzene	216	10.805	10.806	-0.001	376956	18.5	
48 Hexachlorocyclopentadiene	237	10.810	10.811	-0.001	187429	22.7	5
50 2,4,6-Trichlorophenol	196	10.897	10.893	0.004	298958	22.5	5
51 2,4,5-Trichlorophenol	196	10.940	10.931	0.009	306195	22.5	5
52 1,1'-Biphenyl	154	11.065	11.061	0.004	1175836	18.3	
53 2-Chloronaphthalene	162	11.103	11.099	0.004	1074893	18.9	
54 Phenyl ether	170	11.166	11.162	0.004	657262	19.1	
55 2-Nitroaniline	65	11.228	11.220	0.008	301289	20.4	5
56 Dimethyl phthalate	163	11.387	11.378	0.009	1096147	19.8	
57 2,6-Dinitrotoluene	165	11.488	11.479	0.009	270639	20.8	5
58 Acenaphthylene	152	11.541	11.537	0.004	1505909	20.3	5
59 3-Nitroaniline	138	11.642	11.633	0.009	275002	20.3	5
61 Acenaphthene	153	11.724	11.720	0.004	938532	18.8	
60 2,4-Dinitrophenol	184	11.733	11.735	-0.002	73615	20.0	5
62 4-Nitrophenol	109	11.748	11.748	0.000	147748	20.6	5M
64 Dibenzofuran	168	11.878	11.874	0.004	1275031	18.6	
63 2,4-Dinitrotoluene	165	11.882	11.878	0.004	333409	20.3	5
65 2,3,4,6-Tetrachlorophenol	232	11.983	11.979	0.004	229822	20.9	5
66 Diethyl phthalate	149	12.075	12.071	0.004	1114618	20.0	5
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	502685	19.2	
69 Fluorene	166	12.229	12.225	0.004	1058905	19.6	
68 4-Nitroaniline	138	12.272	12.263	0.009	233875	21.0	5
70 4,6-Dinitro-2-methylphenol	198	12.296	12.287	0.009	114956	20.0	5
71 Diphenylamine	169	12.310	12.306	0.004	922038	19.7	
72 N-Nitrosodiphenylamine	169	12.310	12.306	0.004	922038	19.7	
74 Azobenzene	77	12.344	12.340	0.004	1200124	21.4	5
73 1,2-Diphenylhydrazine	77	12.344	12.340	0.004	1200124	21.4	5
75 4-Bromophenyl phenyl ether	248	12.681	12.677	0.004	267972	19.3	
77 Atrazine	200	12.830	12.821	0.009	286078	22.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	12.868	12.864	0.004	265443	18.6	
78 Pentachlorophenol	266	13.032	13.028	0.004	144989	20.1	5
79 Pentachloronitrobenzene	237	13.113	13.105	0.008	114830	20.4	5
80 Phenanthrene	178	13.210	13.206	0.004	1435212	18.5	
81 Anthracene	178	13.253	13.249	0.004	1420085	20.4	5
83 Carbazole	167	13.402	13.398	0.004	1244280	20.2	5
84 Di-n-butyl phthalate	149	13.681	13.682	-0.001	1805707	20.0	
85 Pyrene	202	14.441	14.437	0.004	1352874	20.1	5
86 Benzidine	184	14.532	14.528	0.004	272774	20.4	5
87 Fluoranthene	202	14.695	14.692	0.003	1393027	19.3	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	755722	20.6	5
92 Bis(2-ethylhexyl) phthalate	149	15.854	15.851	0.003	961483	20.8	5
91 3,3'-Dichlorobenzidine	252	15.927	15.923	0.004	248417	19.9	
93 Benzo[a]anthracene	228	15.989	15.985	0.004	938654	20.4	5
94 Chrysene	228	16.042	16.038	0.004	874764	18.8	5
95 Di-n-octyl phthalate	149	16.523	16.524	-0.001	1244825	20.3	5
97 Benzo[b]fluoranthene	252	17.331	17.327	0.004	653170	18.7	
98 Benzo[k]fluoranthene	252	17.360	17.356	0.004	674055	20.5	5
99 Benzo[a]pyrene	252	17.831	17.822	0.009	486989	20.5	5
101 Dibenz(a,h)anthracene	278	19.826	19.823	0.003	312311	20.0	
100 Indeno[1,2,3-cd]pyrene	276	19.846	19.837	0.009	388032	20.8	5
102 Benzo[g,h,i]perylene	276	20.442	20.433	0.009	325352	20.7	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 19:06:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D

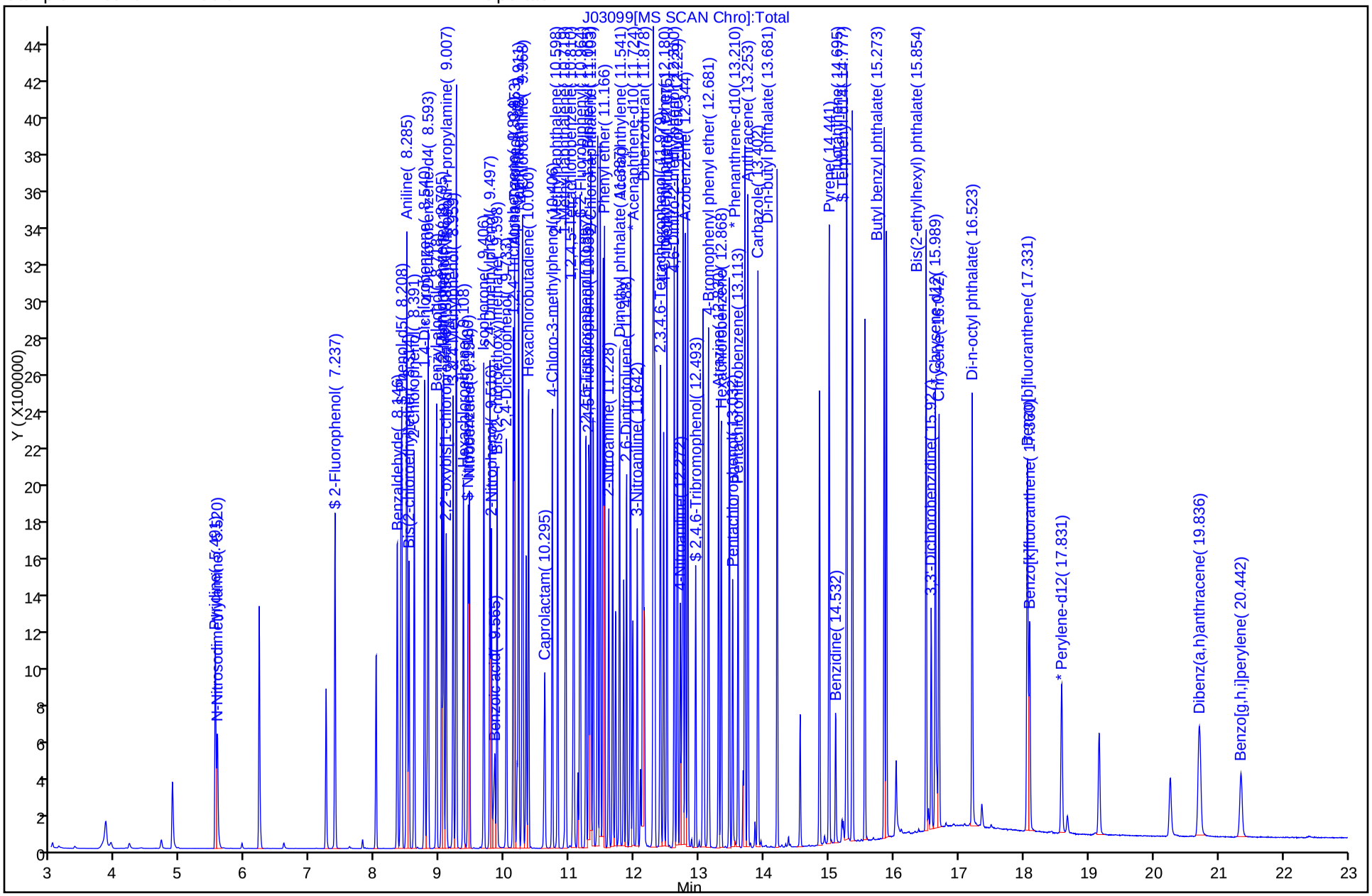
Inj Date: 23-Sep-2009 20:48:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: ICV

Sample Amount: 1.00 ul Operator:



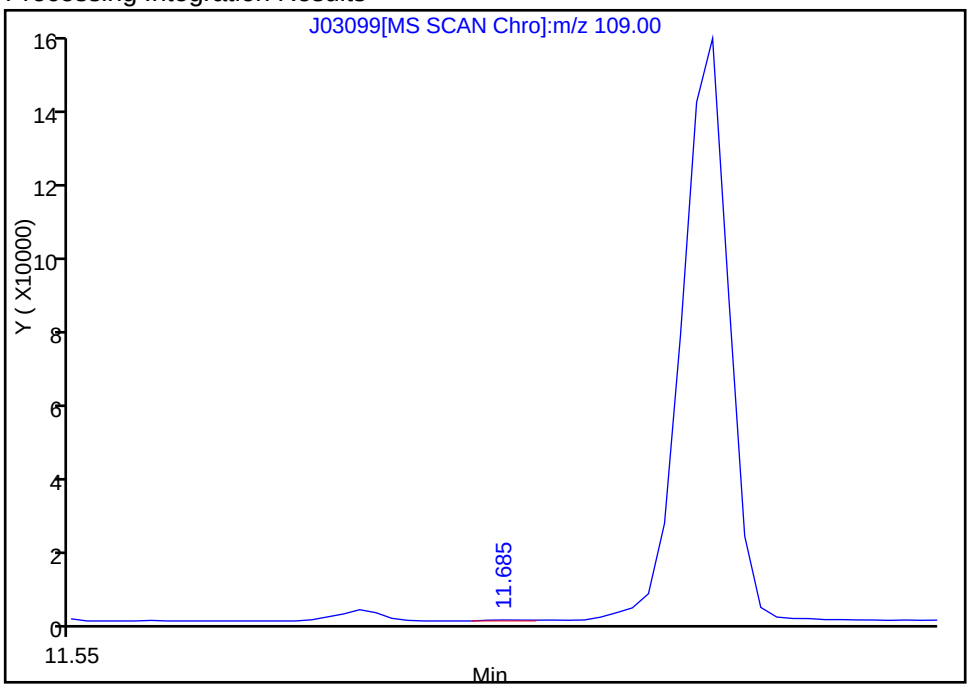
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Inj Date:	23-Sep-2009 20:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	ICV		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol, Number: 1, m/z: 109 Type: quant, RT: 11.75

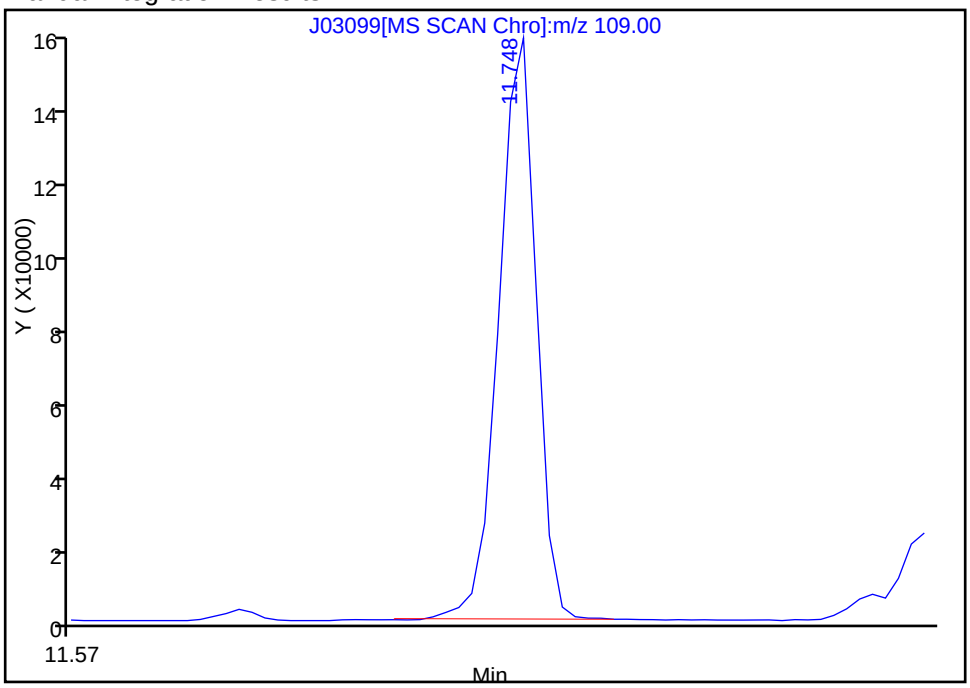
Processing Integration Results

RT: 11.69
Response: 259
Amount: 0.062513



Manual Integration Results

RT: 11.75
Response: 147748
Amount: 20.602255



Reviewer: rachtank, 25-Sep-2009 18:43:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

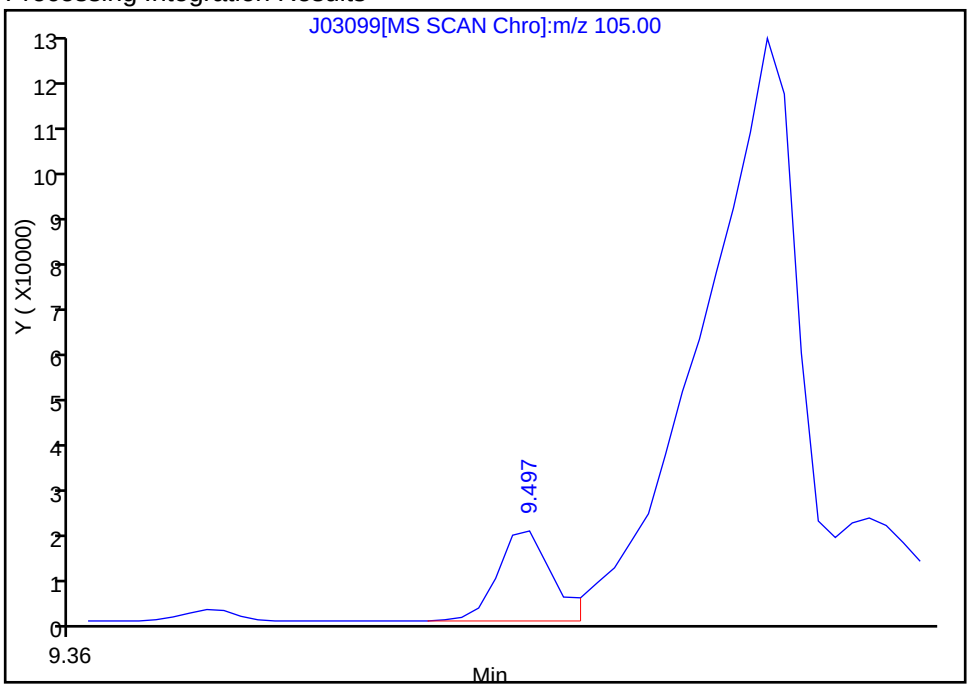
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Inj Date:	23-Sep-2009 20:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	ICV		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.56

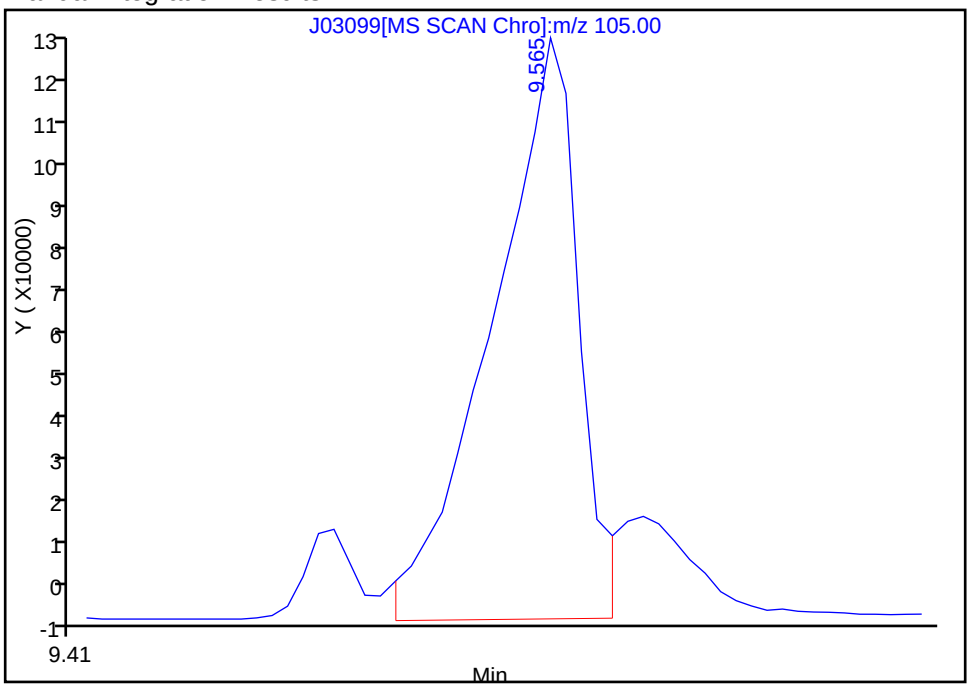
Processing Integration Results

RT: 9.50
Response: 20214
Amount: 4.637270



Manual Integration Results

RT: 9.56
Response: 224331
Amount: 20.035861



Reviewer: rachtank, 25-Sep-2009 18:43:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49645/3	J03184.D
Level 2	STD025 360-49645/4	J03185.D
Level 3	STD05 360-49645/5	J03186.D
Level 4	STD1 360-49645/6	J03187.D
Level 5	STD25 360-49645/7	J03188.D
Level 6	STD5 360-49645/2	J03183.D
Level 7	STD8 360-49645/8	J03189.D
Level 8	STD10 360-49645/9	J03190.D
Level 9	STD20 360-49645/10	J03191.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	0.3139 0.2184	0.4049 0.1867	0.3045 0.2504	0.2513 0.2433	0.2359	Lin	-0.030	0.2397							0.9900		0.9900
Pyridine	0.7785 0.5474	0.5329 0.4744	0.5622 0.6076	0.5430 0.6360	0.5509	Ave		0.5814				15.0		15.0			
N-Nitrosodimethylamine	0.3380 0.3077	0.3163 0.2615	0.3186 0.3386	0.3191 0.3324	0.3159	Ave		0.3165				7.3		15.0			
Benzoic acid	+++++ 0.0685	+++++ 0.0851	0.0053 0.1053	0.0099 0.1484	0.0432	Qua	-0.052	0.0593	0.0046						0.9990		0.9900
2,4-Dinitrophenol	+++++ 0.0616	+++++ 0.0797	+++++ 0.0867	0.0241 0.1137	0.0544	Qua	-0.049	0.0645	0.0026		0.0500				1.0000		0.9900
Benzaldehyde	0.3751 0.3567	0.3444 0.3071	0.3777 0.3994	0.3777 0.3807	0.3699	Ave		0.3654				7.3		15.0			
Phenol	0.8531 0.7085	0.7467 0.6165	0.7743 0.7950	0.7545 0.7734	0.7472	Ave		0.7521				8.6		15.0			
Aniline	0.9839 0.8461	0.8349 0.7369	0.8848 0.9628	0.8677 0.9370	0.8752	Ave		0.8810				8.5		15.0			
Bis(2-chloroethyl)ether	0.6865 0.5791	0.6605 0.4922	0.6531 0.6244	0.6243 0.6068	0.5957	Ave		0.6136				9.2		15.0			
2-Chlorophenol	0.6347 0.5995	0.6163 0.5137	0.6089 0.6605	0.6152 0.6387	0.6290	Ave		0.6130				6.8		15.0			
1,4-Dichlorobenzene	0.7985 0.6590	0.7390 0.5803	0.7658 0.7373	0.7374 0.7004	0.7103	Ave		0.7142				8.9		15.0			
1,3-Dichlorobenzene	0.8590 0.6813	0.8090 0.5963	0.7729 0.7603	0.7690 0.7227	0.7212	Ave		0.7435				10.0		15.0			
Benzyl alcohol	0.5014 0.5124	0.4675 0.4443	0.5105 0.5776	0.4940 0.5750	0.5074	Ave		0.5100				8.6		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

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-Dichlorobenzene	0.7792 0.6240	0.7025 0.5450	0.7338 0.6920	0.6985 0.6615	0.6686	Ave		0.6783				9.8		15.0			
2-Methylphenol	0.5955 0.5231	0.5297 0.4606	0.5651 0.5869	0.5391 0.5742	0.5589	Ave		0.5481				7.5		15.0			
2,2'-oxybis[1-chloropropane]	0.6249 0.5111	0.5783 0.4415	0.5808 0.5620	0.5597 0.5541	0.5302	Ave		0.5492				9.4		15.0			
3 & 4 Methylphenol	0.6102 0.5484	0.5478 0.4827	0.5843 0.6187	0.5752 0.6051	0.5760	Ave		0.5720				7.3		15.0			
Acetophenone	0.8380 0.7779	0.8142 0.6921	0.8490 0.8853	0.8357 0.8633	0.8229	Ave		0.8198				6.9		15.0			
N-Nitrosodi-n-propylamine	0.4164 0.4250	0.4284 0.3747	0.4375 0.4823	0.4419 0.4770	0.4411	Ave		0.4360			0.0500	7.3		15.0			
Hexachloroethane	0.2673 0.2401	0.2478 0.2182	0.2555 0.2810	0.2587 0.2763	0.2597	Ave		0.2561				7.5		15.0			
Nitrobenzene	0.2977 0.3007	0.2721 0.2821	0.2822 0.2951	0.2880 0.2707	0.2918	Ave		0.2867				3.8		15.0			
Isophorone	0.4360 0.5240	0.4262 0.4938	0.4511 0.5294	0.4657 0.4737	0.5077	Ave		0.4786				7.8		15.0			
2,4-Dimethylphenol	0.2505 0.2708	0.2349 0.2500	0.2450 0.2630	0.2419 0.2432	0.2625	Ave		0.2513				4.7		15.0			
2-Nitrophenol	0.0916 0.1372	0.0889 0.1339	0.1095 0.1426	0.1077 0.1291	0.1356	Lin1	-0.007	0.1345							0.9970		0.9900
Bis(2-chloroethoxy)methane	0.2997 0.2984	0.2782 0.2836	0.2877 0.2996	0.2836 0.2718	0.2932	Ave		0.2884				3.5		15.0			
1,2,4-Trichlorobenzene	0.2678 0.2475	0.2437 0.2328	0.2473 0.2406	0.2471 0.2177	0.2503	Ave		0.2439				5.6		15.0			
Alpha-Terpineol	0.1792 0.1865	0.1507 0.1740	0.1651 0.1865	0.1622 0.1751	0.1796	Ave		0.1732				6.9		15.0			
Naphthalene	0.8614 0.8107	0.8218 0.7600	0.8289 0.7882	0.8181 0.7156	0.8137	Ave		0.8020				5.3		15.0			
4-Chloroaniline	0.2805 0.3113	0.2724 0.2955	0.2860 0.3079	0.2866 0.2863	0.2944	Ave		0.2912				4.3		15.0			
2,4-Dichlorophenol	0.1708 0.1907	0.1633 0.1801	0.1710 0.1868	0.1765 0.1690	0.1908	Ave		0.1777				5.7		15.0			
Hexachlorobutadiene	0.1412 0.1382	0.1315 0.1284	0.1330 0.1328	0.1330 0.1187	0.1395	Ave		0.1329				5.1		15.0			
Pentachlorophenol	+++++ 0.0541	+++++ 0.0644	0.0132 0.0676	0.0191 0.0817	0.0412	Lin	-0.102	0.0838							0.9910		0.9900
Caprolactam	0.1439 0.0745	0.0491 0.0704	0.0531 0.0766	0.0612 0.0706	0.0707	Lin1	0.0014	0.0716							0.9940		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

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	0.1963 0.2422	0.1936 0.2233	0.2058 0.2337	0.2068 0.2196	0.2292	Ave		0.2167				7.9		15.0			
4-Nitrophenol	+++++ 0.1276	0.0235 0.1351	0.0683 0.1381	0.0863 0.1588	0.1224	Lin1	-0.042	0.1491			0.0500				0.9930		0.9900
2-Methylnaphthalene	0.5628 0.5431	0.5233 0.5049	0.5378 0.5216	0.5331 0.4697	0.5360	Ave		0.5258				5.0		15.0			
1-Methylnaphthalene	0.5330 0.5247	0.5143 0.4913	0.5243 0.5128	0.5195 0.4541	0.5341	Ave		0.5120				4.9		15.0			
1,2,4,5-Tetrachlorobenzene	0.2283 0.2123	0.2124 0.1958	0.2182 0.2036	0.2127 0.1790	0.2120	Ave		0.2083				6.8		15.0			
Hexachlorocyclopentadiene	0.0887 0.1387	0.0872 0.1474	0.1073 0.1492	0.1179 0.1591	0.1461	Lin1	-0.013	0.1527			0.0500				0.9970		0.9900
2,4,6-Trichlorophenol	0.2119 0.2884	0.2071 0.2863	0.2405 0.2872	0.2479 0.2868	0.2751	Ave		0.2590				13.0		15.0			
2,4,5-Trichlorophenol	0.1907 0.2923	0.2267 0.2950	0.2426 0.2932	0.2539 0.2957	0.2788	Ave		0.2632				14.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0598	0.0211 0.0739	0.0258 0.0772	0.0339 0.0880	0.0558	Qua	-0.028	0.0667	0.0011						0.9990		0.9900
1,1'-Biphenyl	1.3091 1.2284	1.2408 1.1899	1.2024 1.1766	1.2521 1.1294	1.2238	Ave		1.2169				4.2		15.0			
2-Chloronaphthalene	0.9748 0.8967	0.9198 0.8603	0.8526 0.8640	0.9124 0.8270	0.8790	Ave		0.8874				5.0		15.0			
Phenyl ether	0.3412 0.3418	0.3440 0.3156	0.3430 0.3355	0.3387 0.2925	0.3396	Ave		0.3324				5.2		15.0			
2-Nitroaniline	0.2091 0.2859	0.1986 0.2797	0.2055 0.2855	0.2282 0.2925	0.2663	Lin1	-0.019	0.2874							0.9990		0.9900
Dimethyl phthalate	1.1355 1.1424	1.0772 1.1306	1.0893 1.1089	1.1086 1.0668	1.1200	Ave		1.1088				2.4		15.0			
Benzidine	+++++ 0.1540	+++++ 0.1486	0.0759 0.1659	0.0890 0.1940	0.1454	Lin	-0.172	0.1955							0.9910		0.9900
2,6-Dinitrotoluene	0.1637 0.2545	0.1819 0.2556	0.2137 0.2562	0.2266 0.2551	0.2516	Ave		0.2288				15.0		15.0			
Acenaphthylene	1.3460 1.5602	1.3932 1.5254	1.4285 1.5022	1.5004 1.4628	1.5427	Ave		1.4735				4.9		15.0			
3-Nitroaniline	0.1480 0.2459	0.1733 0.2511	0.2032 0.2516	0.2220 0.2445	0.2425	Lin2	-0.011	0.2416							0.9960		0.9900
Acenaphthene	1.0013 0.9860	0.9942 0.9685	0.9642 0.9734	0.9705 0.9221	0.9817	Ave		0.9735				2.4		15.0			
Dibenzofuran	1.4061 1.3775	1.3449 1.3213	1.3551 1.3248	1.3513 1.2783	1.3641	Ave		1.3470				2.7		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

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-Dinitrotoluene	0.1626 0.3198	0.1907 0.3212	0.2280 0.3285	0.2441 0.3281	0.3033	Lin1	-0.029	0.3264							0.9990		0.9900
2,3,4,6-Tetrachlorophenol	0.0909 0.2037	0.1264 0.2112	0.1505 0.2130	0.1570 0.2277	0.1924	Lin1	-0.022	0.2185							0.9970		0.9900
Diethyl phthalate	1.2019 1.1682	1.0985 1.1531	1.0959 1.1387	1.1067 1.1306	1.1362	Ave		1.1366				3.0		15.0			
4-Chlorophenyl phenyl ether	0.4982 0.5352	0.5176 0.5147	0.5148 0.5096	0.5276 0.4890	0.5247	Ave		0.5146				2.8		15.0			
Fluorene	1.1393 1.1236	1.0857 1.0886	1.0650 1.0950	1.0931 1.0438	1.1014	Ave		1.0929				2.6		15.0			
4-Nitroaniline	0.1108 0.1923	0.1320 0.2045	0.1557 0.2082	0.1635 0.2064	0.2044	Lin2	-0.010	0.1949							0.9910		0.9900
Diphenylamine	0.4998 0.5756	0.5358 0.5514	0.5369 0.5522	0.5464 0.5063	0.5619	Ave		0.5407				4.5		15.0			
N-Nitrosodiphenylamine	0.4998 0.5756	0.5358 0.5514	0.5369 0.5522	0.5464 0.5063	0.5619	Ave		0.5407				4.5		15.0			
1,2-Diphenylhydrazine	0.6000 0.7431	0.6141 0.7269	0.6544 0.7423	0.6848 0.6692	0.7122	Ave		0.6830				7.8		15.0			
Azobenzene	0.6000 0.7431	0.6141 0.7269	0.6544 0.7423	0.6848 0.6692	0.7122	Ave		0.6830				7.8		15.0			
Benzophenone	0.4480 0.5601	0.4681 0.5457	0.4976 0.5535	0.5243 0.5261	0.5344	Ave		0.5175				7.5		15.0			
4-Bromophenyl phenyl ether	0.1710 0.1691	0.1689 0.1673	0.1625 0.1645	0.1713 0.1569	0.1694	Ave		0.1668				2.8		15.0			
Atrazine	0.1325 0.1767	0.1301 0.1693	0.1473 0.1702	0.1537 0.1544	0.1679	Ave		0.1558				11.0		15.0			
Hexachlorobenzene	0.1944 0.1791	0.1736 0.1733	0.1830 0.1692	0.1843 0.1515	0.1726	Ave		0.1757				6.8		15.0			
Pentachloronitrobenzene	0.0415 0.0732	0.0450 0.0761	0.0588 0.0746	0.0628 0.0734	0.0690	Lin2	-0.004	0.0708							0.9910		0.9900
Anthracene	1.0378 0.9117	0.9362 0.8896	0.9288 0.8842	0.9276 0.8198	0.9022	Ave		0.9153				6.3		15.0			
Phenanthrene	0.7596 0.8753	0.7419 0.8744	0.8103 0.8636	0.8412 0.8014	0.8630	Ave		0.8257				6.1		15.0			
Carbazole	0.6498 0.7597	0.6438 0.7580	0.7095 0.7616	0.7199 0.6744	0.7666	Ave		0.7159				6.9		15.0			
Di-n-butyl phthalate	1.0955 1.1285	0.9557 1.1004	0.9351 1.0975	0.9951 1.0408	1.0489	Ave		1.0441				6.6		15.0			
Fluoranthene	0.8190 0.8711	0.7795 0.8396	0.8146 0.8418	0.8319 0.7854	0.8615	Ave		0.8272				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

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								
Pyrene	1.5285 1.1925	1.1485 1.1396	1.1696 1.1361	1.1818 0.9755	1.1248	Ave		1.1774				12.0		15.0			
Butyl benzyl phthalate	0.6801 0.6041	0.4849 0.5796	0.4913 0.5592	0.5393 0.5231	0.5362	Ave		0.5553				11.0		15.0			
Bis(2-ethylhexyl) phthalate	0.9243 0.7930	0.6222 0.7267	0.5869 0.7416	0.6163 0.7283	0.6569	Ave		0.7107				15.0		15.0			
3,3'-Dichlorobenzidine	0.1939 0.2280	0.1605 0.2148	0.1661 0.2198	0.1765 0.1902	0.2191	Ave		0.1966				13.0		15.0			
Benzo[a]anthracene	0.9612 0.8344	0.7531 0.8152	0.7639 0.8006	0.7913 0.7581	0.7920	Ave		0.8078				7.9		15.0			
Chrysene	1.1046 0.7864	0.8137 0.7501	0.7909 0.7305	0.7967 0.7082	0.7668	Ave		0.8053				15.0		15.0			
Di-n-octyl phthalate	1.1078 1.4981	0.7680 1.4688	0.8826 1.4621	1.0103 1.4188	1.1871	Lin1	-0.119	1.4368							0.9950		0.9900
Benzo[b]fluoranthene	1.4972 1.1689	1.0870 1.1382	1.0824 1.1850	1.0697 0.9666	1.0610	Ave		1.1396				13.0		15.0			
Benzo[k]fluoranthene	1.4623 1.0207	0.8765 1.0760	0.8946 0.9799	1.0446 0.9980	1.0378	Lin1	0.0174	1.0088							0.9980		0.9900
Benzo[a]pyrene	0.7184 0.7748	0.6517 0.7874	0.6666 0.8016	0.6688 0.7873	0.7414	Ave		0.7331				8.0		15.0			
Dibenz(a,h)anthracene	0.3269 0.4121	0.3983 0.4250	0.3415 0.4526	0.3117 0.5355	0.4108	Lin	-0.280	0.5251							0.9900		0.9900
Indeno[1,2,3-cd]pyrene	0.4077 0.5485	0.5174 0.5497	0.4648 0.5807	0.4247 0.6634	0.5489	Ave		0.5229				15.0		15.0			
Benzo[g,h,i]perylene	0.5041 0.4913	0.5148 0.4786	0.4661 0.4864	0.4492 0.5500	0.4967	Ave		0.4930				5.9		15.0			
2-Fluorophenol	0.6526 0.5635	0.6035 0.4878	0.5920 0.6275	0.5896 0.6195	0.5872	Ave		0.5915				7.9		15.0			
Phenol-d5	0.7127 0.6786	0.6960 0.5902	0.7075 0.7646	0.6927 0.7415	0.7153	Ave		0.6999				7.0		15.0			
Nitrobenzene-d5	0.2898 0.2997	0.2509 0.2823	0.2702 0.2953	0.2759 0.2750	0.2887	Ave		0.2809				5.3		15.0			
2-Fluorobiphenyl	1.2669 1.1745	1.1483 1.1328	1.1628 1.1165	1.1872 1.0636	1.1579	Ave		1.1567				4.8		15.0			
2,4,6-Tribromophenol	0.0468 0.0771	0.0472 0.0783	0.0530 0.0792	0.0603 0.0797	0.0717	Lin1	-0.007	0.0790							0.9980		0.9900
Terphenyl-d14	0.9010 0.7285	0.7232 0.7023	0.7045 0.6928	0.7354 0.6016	0.6875	Ave		0.7197				11.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49645/3	J03184.D
Level 2	STD025 360-49645/4	J03185.D
Level 3	STD05 360-49645/5	J03186.D
Level 4	STD1 360-49645/6	J03187.D
Level 5	STD25 360-49645/7	J03188.D
Level 6	STD5 360-49645/2	J03183.D
Level 7	STD8 360-49645/8	J03189.D
Level 8	STD10 360-49645/9	J03190.D
Level 9	STD20 360-49645/10	J03191.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
1,4-Dioxane	DCB	Lin	897 39854	3419 57628	5331 75680	7550 165800	22511	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Ave	2225 99876	4500 146437	9843 183651	16311 433463	52580	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	966 56151	2671 80711	5578 102339	9585 226522	30153	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 26931	+++++ 53539	234 79285	722 268735	9606	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 12240	+++++ 24542	+++++ 33605	878 97666	6244	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	1072 65081	2908 94809	6613 120725	11345 259433	35306	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	2438 129281	6305 190294	13558 240270	22666 527133	71310	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	2812 154385	7050 227456	15492 291000	26065 638603	83530	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	1962 105671	5577 151926	11436 188708	18755 413556	56856	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	1814 109387	5204 158561	10662 199634	18480 435288	60033	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	2282 120248	6240 179135	13409 222838	22151 477390	67789	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	2455 124313	6831 184057	13532 229801	23102 492559	68835	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	1433 93500	3947 137152	8938 174573	14841 391918	48426	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	2227 113850	5932 168218	12848 209142	20984 450851	63810	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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-Methylphenol	DCB	Ave	1702 95452	4473 142190	9894 177374	16196 391339	53342	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	1786 93250	4883 136271	10169 169871	16812 377653	50599	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	1744 100058	4625 148990	10230 186988	17279 412417	54970	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	2395 141942	6875 213639	14866 267577	25103 588399	78538	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1190 77548	3617 115652	7660 145756	13274 325100	42096	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	764 43817	2092 67338	4473 84926	7772 188309	24782	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	2081 118249	5670 177558	12350 222247	21100 490140	64800	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	3048 206028	8883 310858	19739 398740	34118 857589	112764	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	1751 106463	4895 157350	10720 198066	17723 440354	58311	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	640 53930	1853 84302	4793 107415	7889 233783	30118	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	2095 117341	5797 178493	12589 225653	20781 491985	65111	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	1872 97306	5079 146543	10822 181198	18101 394135	55593	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	1253 73334	3140 109552	7226 140505	11886 316965	39889	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	6022 318770	17126 478424	36275 593669	59935 1295466	180724	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	1961 122404	5678 186029	12515 231904	20994 518229	65392	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	1194 74974	3403 113358	7483 140666	12934 305896	42387	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	987 54323	2740 80806	5822 100053	9747 214922	30981	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 17936	+++++ 33483	493 44028	1159 123363	8044	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	1006 29273	1024 44284	2322 57730	4482 127740	15712	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	1372 95224	4034 140534	9007 176044	15149 397608	50896	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 25339	246 41634	1535 53519	3136 136400	14061	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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	3934 213540	10905 317843	23534 392867	39057 850260	119050	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	3726 206311	10719 309273	22945 386274	38063 822027	118622	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	1596 83455	4427 123232	9547 153387	15582 324112	47089	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin1	322 27557	914 45404	2413 57803	4287 136692	16782	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	769 57286	2172 88209	5406 111273	9014 246416	31598	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	692 58058	2377 90897	5453 113574	9231 254073	32021	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 19824	362 38388	964 50273	2057 132909	10880	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	4751 244000	13011 366579	27029 455834	45523 970263	140551	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	3538 178125	9645 265034	19165 334728	33172 710497	100947	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	2385 134374	7169 198641	15008 252717	24813 529499	75419	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	759 56798	2082 86178	4620 110608	8297 251254	30584	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	4121 226917	11296 348322	24487 429610	40307 916472	128627	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin	+++++ 51041	+++++ 77231	2842 108035	5398 292889	28364	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	594 50561	1907 78760	4803 99249	8239 219145	28897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	4885 309903	14609 469959	32112 581983	54550 1256690	177176	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin2	537 48850	1817 77373	4567 97480	8071 210005	27854	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	3634 195859	10425 298383	21674 377089	35286 792146	112738	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	5103 273615	14103 407053	30462 513258	49131 1098208	156655	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	590 63527	2000 98964	5126 127254	8875 281843	34838	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	330 40467	1325 65055	3384 82520	5709 195648	22095	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	4362 232047	11519 355236	24634 441145	40237 971326	130483	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
4-Chlorophenyl phenyl ether	ANT	Ave	1808 106318	5428 158571	11573 197425	19182 420118	60257	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	4135 223189	11385 335364	23941 424219	39741 896750	126495	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin2	402 38204	1384 62994	3501 80660	5943 177279	23474	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	2844 190824	9211 286535	20092 359522	33141 764551	109615	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	2844 190824	9211 286535	20092 359522	33141 764551	109615	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	3414 246370	10557 377721	24489 483285	41532 1010430	138926	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	3414 246370	10557 377721	24489 483285	41532 1010430	138926	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	2549 185680	8048 283584	18623 360368	31801 794432	104246	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	973 56072	2903 86922	6080 107085	10389 236961	33038	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	754 58584	2237 87952	5512 110823	9322 233137	32744	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1106 59365	2984 90047	6848 110195	11177 228754	33672	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin2	236 24269	773 39551	2201 48584	3809 110803	13455	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	5905 302265	16095 462308	34760 575686	56258 1237979	175984	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	4322 290201	12755 454408	30324 562309	51021 1210076	168349	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	3697 251883	11067 393912	26552 495886	43661 1018380	149538	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	6233 374150	16429 571805	34993 714557	60352 1571625	204605	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	4660 288819	13401 436293	30487 548065	50456 1186029	168038	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	5052 301325	14377 465416	32876 587617	52863 1240007	177245	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	2248 152650	6070 236690	13809 289223	24122 664917	84500	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	3055 200373	7789 296789	16497 383568	27567 925722	103519	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Ave	641 57603	2009 87714	4670 113699	7893 241803	34532	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 49645

SDG No.: OCRI-15

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 14:03 Calibration End Date: 09/28/2009 18:26 Calibration ID: 4829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzo[a]anthracene	CRY	Ave	3177 210849	9427 332921	21474 414097	35394 963611	124801	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	3651 198718	10186 306329	22233 377849	35635 900164	120830	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	2125 234822	6823 340042	15828 431685	27210 1168735	113758	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	2872 183212	9657 263501	19411 349858	28809 796218	101677	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Lin1	2805 159989	7787 249097	16043 289312	28132 822131	99452	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Ave	1378 121449	5790 182282	11955 236671	18012 648528	71042	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin	627 64595	3539 98383	6125 133620	8394 441141	39362	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	782 85969	4597 127270	8336 171441	11437 546468	52600	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	967 77013	4574 110812	8359 143621	12097 453034	47599	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	1865 102810	5096 150574	10365 189657	17712 422221	56038	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	2037 123822	5877 182170	12388 231085	20810 505338	68268	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	2026 117835	5229 177711	11824 222453	20215 497788	64126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	4598 233287	12041 349004	26138 432538	43163 913755	132981	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	266 25575	812 40675	1985 51592	3657 120401	13982	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	2978 184074	9053 286797	19803 358356	32897 764729	108340	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03183.D		
Lims ID:	std5	Client ID:	
Inject. Date:	28-Sep-2009 14:03:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5.0 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49645	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	29-Sep-2009 17:08:02	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:45:58
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:08:02

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.035	8.035	0.000	72986	2.00	
* 2 Naphthalene-d8	136	9.347	9.347	0.000	157274	2.00	
* 3 Acenaphthene-d10	164	11.136	11.136	0.000	79454	2.00	
* 4 Phenanthrene-d10	188	12.617	12.617	0.000	132616	2.00	
* 5 Chrysene-d12	240	15.378	15.378	0.000	101075	2.00	
* 6 Perylene-d12	264	17.018	17.018	0.000	62697	2.00	
$ 7 2-Fluorophenol	112	6.688	6.688	0.000	102810	4.76	
$ 8 Phenol-d5	99	7.684	7.684	0.000	123822	4.85	
$ 9 Nitrobenzene-d5	82	8.636	8.636	0.000	117835	5.34	
$ 10 2-Fluorobiphenyl	172	10.429	10.429	0.000	233287	5.08	
$ 11 2,4,6-Tribromophenol	330	11.939	11.939	0.000	25575	4.97	
$ 12 Terphenyl-d14	244	14.200	14.200	0.000	184074	5.06	
14 1,4-Dioxane	88	3.952	3.952	0.000	39854	4.68	
16 Pyridine	79	4.750	4.750	0.000	99876	4.71	
15 N-Nitrosodimethylamine	74	4.794	4.794	0.000	56151	4.86	
17 Benzaldehyde	105	7.597	7.597	0.000	65081	4.88	
18 Phenol	94	7.698	7.698	0.000	129281	4.71	
19 Aniline	93	7.741	7.741	0.000	154385	4.80	
20 Bis(2-chloroethyl)ether	93	7.789	7.789	0.000	105671	4.72	
21 2-Chlorophenol	128	7.852	7.852	0.000	109387	4.89	
22 1,4-Dichlorobenzene	146	7.996	7.996	0.000	120248	4.61	
23 1,3-Dichlorobenzene	146	8.054	8.054	0.000	124313	4.58	
24 Benzyl alcohol	79	8.189	8.189	0.000	93500	5.02	
25 1,2-Dichlorobenzene	146	8.251	8.251	0.000	113850	4.60	
26 2-Methylphenol	108	8.304	8.304	0.000	95452	4.77	
27 2,2'-oxybis[1-chloropropane]	45	8.333	8.333	0.000	93250	4.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.443	8.443	0.000	100058	4.79	
30 Acetophenone	105	8.472	8.472	0.000	141942	4.74	
29 N-Nitrosodi-n-propylamine	70	8.477	8.477	0.000	77548	4.87	
31 Hexachloroethane	117	8.564	8.564	0.000	43817	4.69	
32 Nitrobenzene	77	8.655	8.655	0.000	118249	5.24	
33 Isophorone	82	8.871	8.871	0.000	206028	5.47	
35 2,4-Dimethylphenol	107	8.977	8.977	0.000	106463	5.39	
34 2-Nitrophenol	139	8.977	8.977	0.000	53930	5.16	
36 Benzoic acid	105	9.040	9.040	0.000	26931	4.84	
37 Bis(2-chloroethoxy)methane	93	9.078	9.078	0.000	117341	5.17	
39 1,2,4-Trichlorobenzene	180	9.295	9.295	0.000	97306	5.07	
40 Alpha-Terpineol	59	9.323	9.323	0.000	73334	5.38	
41 Naphthalene	128	9.367	9.367	0.000	318770	5.05	
42 4-Chloroaniline	127	9.434	9.434	0.000	122404	5.35	
38 2,4-Dichlorophenol	162	9.439	9.439	0.000	74974	5.37	
43 Hexachlorobutadiene	225	9.525	9.525	0.000	54323	5.20	
44 Caprolactam	55	9.737	9.737	0.000	29273	5.18	
45 4-Chloro-3-methylphenol	107	9.886	9.886	0.000	95224	5.59	
46 2-Methylnaphthalene	142	10.054	10.054	0.000	213540	5.16	
47 1-Methylnaphthalene	142	10.170	10.170	0.000	206311	5.12	
49 1,2,4,5-Tetrachlorobenzene	216	10.266	10.266	0.000	83455	5.10	
48 Hexachlorocyclopentadiene	237	10.271	10.271	0.000	27557	4.63	
50 2,4,6-Trichlorophenol	196	10.357	10.357	0.000	57286	5.57	
51 2,4,5-Trichlorophenol	196	10.396	10.396	0.000	58058	5.55	
52 1,1'-Biphenyl	154	10.521	10.521	0.000	244000	5.05	
53 2-Chloronaphthalene	162	10.593	10.593	0.000	178125	5.05	
54 Phenyl ether	170	10.627	10.627	0.000	134374	5.14	
55 2-Nitroaniline	65	10.684	10.684	0.000	56798	5.04	
56 Dimethyl phthalate	163	10.857	10.857	0.000	226917	5.15	
57 2,6-Dinitrotoluene	165	10.949	10.949	0.000	50561	5.56	
58 Acenaphthylene	152	10.987	10.987	0.000	309903	5.29	
59 3-Nitroaniline	138	11.098	11.098	0.000	48850	5.13	
61 Acenaphthene	153	11.170	11.170	0.000	195859	5.06	
60 2,4-Dinitrophenol	184	11.194	11.194	0.000	12240	4.67	
62 4-Nitrophenol	109	11.223	11.223	0.000	25339	4.56	
64 Dibenzofuran	168	11.324	11.324	0.000	273615	5.11	
63 2,4-Dinitrotoluene	165	11.343	11.343	0.000	63527	4.99	
65 2,3,4,6-Tetrachlorophenol	232	11.478	11.478	0.000	40467	4.76	
66 Diethyl phthalate	149	11.550	11.550	0.000	232047	5.14	
67 4-Chlorophenyl phenyl ether	204	11.641	11.641	0.000	106318	5.20	
69 Fluorene	166	11.670	11.670	0.000	223189	5.14	
68 4-Nitroaniline	138	11.718	11.718	0.000	38204	4.98	
70 4,6-Dinitro-2-methylphenol	198	11.747	11.747	0.000	19824	4.54	
71 Diphenylamine	169	11.766	11.766	0.000	190824	5.32	
72 N-Nitrosodiphenylamine	169	11.766	11.766	0.000	190824	5.32	
73 1,2-Diphenylhydrazine	77	11.800	11.800	0.000	246370	5.44	
74 Azobenzene	77	11.800	11.800	0.000	246370	5.44	
13 Benzophenone	105	11.834	11.834	0.000	185680	5.41	
75 4-Bromophenyl phenyl ether	248	12.132	12.132	0.000	56072	6.21	M
77 Atrazine	200	12.295	12.295	0.000	58584	5.67	
76 Hexachlorobenzene	284	12.305	12.305	0.000	59365	5.10	
78 Pentachlorophenol	266	12.478	12.478	0.000	17936	4.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	12.555	12.555	0.000	24269	5.22	
81 Anthracene	178	12.642	12.642	0.000	302265	4.98	
80 Phenanthrene	178	12.685	12.685	0.000	290201	5.30	
83 Carbazole	167	12.843	12.843	0.000	251883	5.31	
84 Di-n-butyl phthalate	149	13.156	13.156	0.000	374150	5.40	
87 Fluoranthene	202	13.849	13.849	0.000	288819	5.27	
86 Benzidine	184	13.959	13.959	0.000	51041	4.81	
85 Pyrene	202	14.094	14.094	0.000	301325	5.06	
89 Butyl benzyl phthalate	149	14.700	14.700	0.000	152650	5.44	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.286	0.000	200373	5.58	
91 3,3'-Dichlorobenzidine	252	15.315	15.315	0.000	57603	5.80	
93 Benzo[a]anthracene	228	15.358	15.358	0.000	210849	5.17	
94 Chrysene	228	15.407	15.407	0.000	198718	4.88	
95 Di-n-octyl phthalate	149	15.926	15.926	0.000	234822	5.30	
97 Benzo[b]fluoranthene	252	16.541	16.541	0.000	183212	5.13	
98 Benzo[k]fluoranthene	252	16.565	16.565	0.000	159989	5.04	
99 Benzo[a]pyrene	252	16.945	16.945	0.000	121449	5.28	
101 Dibenz(a,h)anthracene	278	18.547	18.547	0.000	64595	4.46	
100 Indeno[1,2,3-cd]pyrene	276	18.552	18.552	0.000	85969	5.24	
102 Benzo[g,h,i]perylene	276	19.023	19.023	0.000	77013	5.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2009 17:08:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03183.D

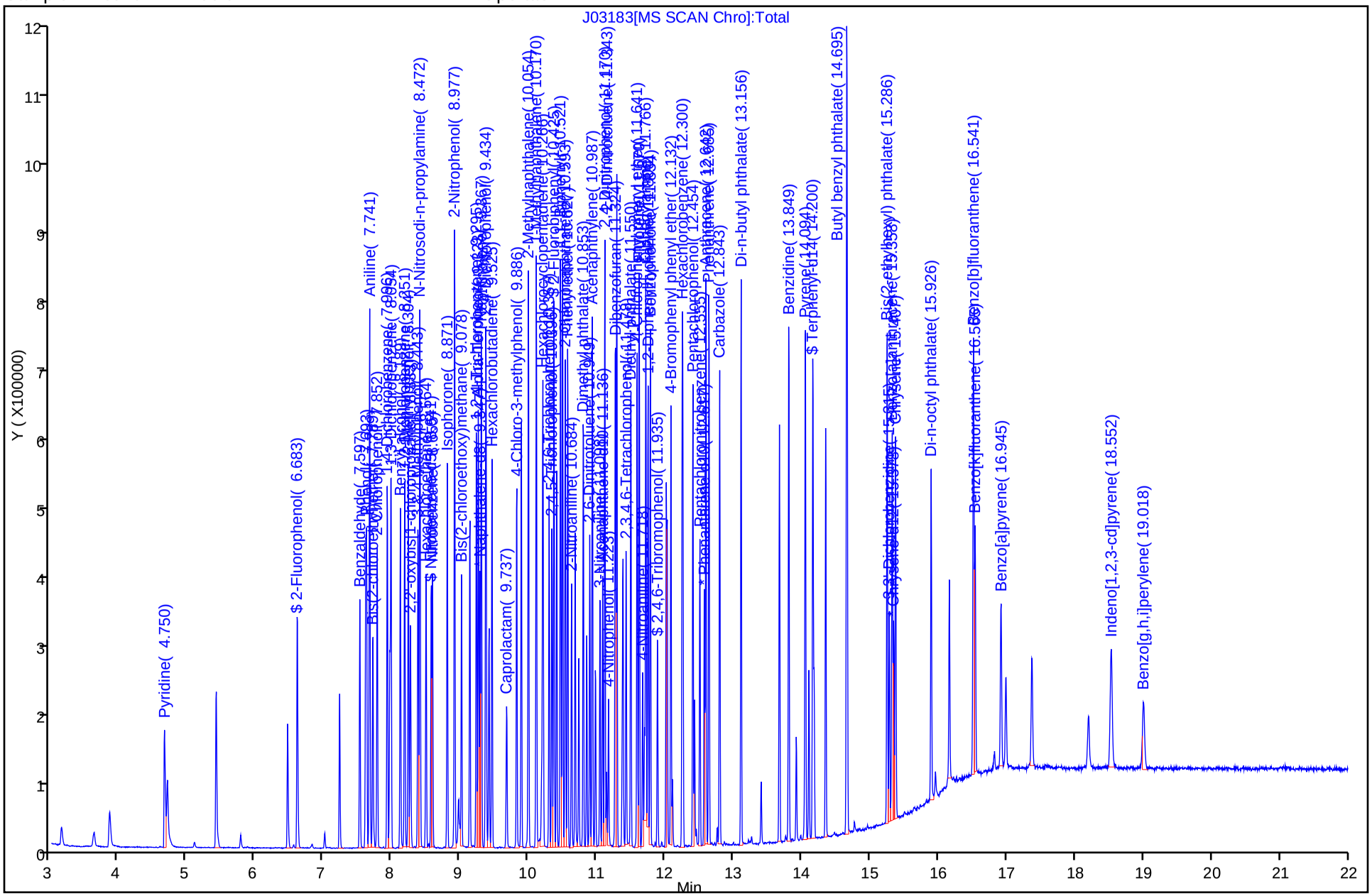
Inj Date: 28-Sep-2009 14:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: 5.0 UG/ML

Sample Amount: 1.00 ul Operator:



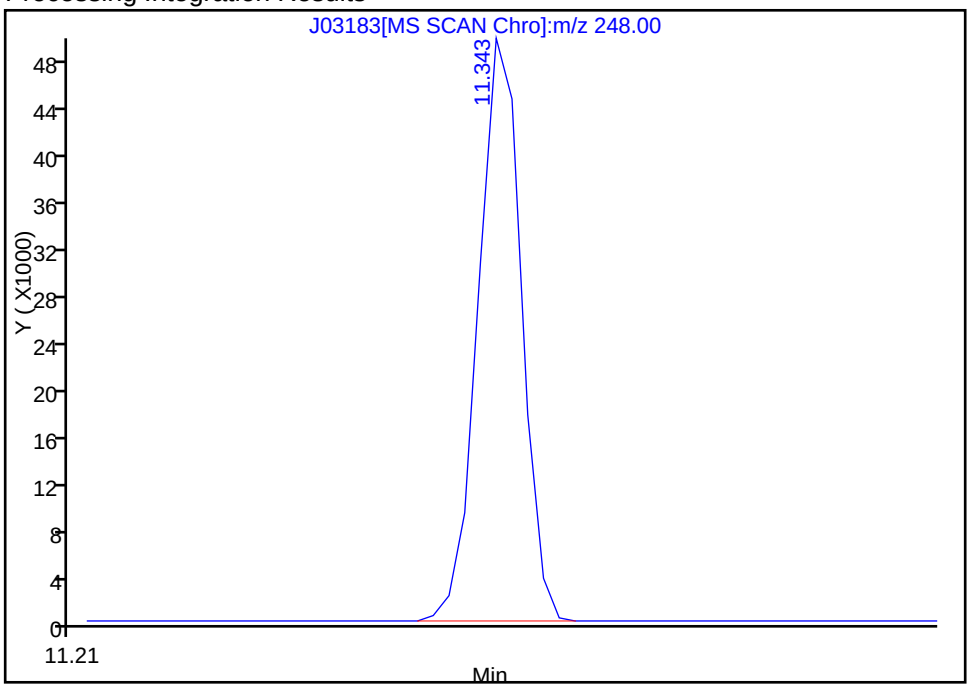
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03183.D		
Inj Date:	28-Sep-2009 14:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	5.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

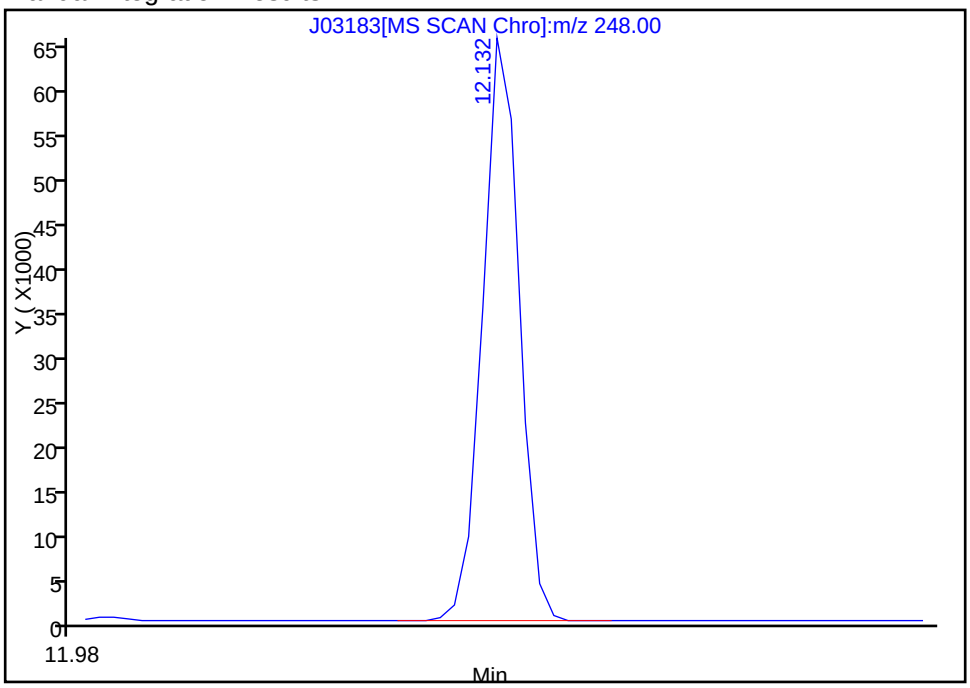
Processing Integration Results

RT: 11.34
Response: 45178
Amount: 5.138334



Manual Integration Results

RT: 12.13
Response: 56072
Amount: 6.206476



Reviewer: sullivanp, 29-Sep-2009 17:08:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D		
Lims ID:	std01	Client ID:	
Inject. Date:	28-Sep-2009 14:36:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49645	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:25:24	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:46:05
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:25:24

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.036	-0.004	57159	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	139813	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	72586	2.00	
* 4 Phenanthrene-d10	188	12.620	12.619	0.001	113796	2.00	
* 5 Chrysene-d12	240	15.375	15.379	-0.004	66106	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	38364	2.00	
$ 7 2-Fluorophenol	112	6.686	6.685	0.001	1865	0.1103	
$ 8 Phenol-d5	99	7.681	7.680	0.001	2037	0.1018	
$ 9 Nitrobenzene-d5	82	8.638	8.637	0.001	2026	0.1032	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	4598	0.1095	
$ 11 2,4,6-Tribromophenol	330	11.932	11.936	-0.004	266	0.1425	
$ 12 Terphenyl-d14	244	14.202	14.201	0.001	2978	0.1252	
14 1,4-Dioxane	88	3.969	3.949	0.020	897	0.2558	
16 Pyridine	79	4.815	4.747	0.068	2225	0.1339	
15 N-Nitrosodimethylamine	74	4.815	4.790	0.025	966	0.1068	
17 Benzaldehyde	105	7.599	7.599	0.000	1072	0.1027	
18 Phenol	94	7.695	7.695	0.000	2438	0.1134	
19 Aniline	93	7.739	7.743	-0.004	2812	0.1117	
20 Bis(2-chloroethyl)ether	93	7.787	7.786	0.001	1962	0.1119	
21 2-Chlorophenol	128	7.849	7.849	0.000	1814	0.1036	
22 1,4-Dichlorobenzene	146	7.998	7.998	0.000	2282	0.1118	
23 1,3-Dichlorobenzene	146	8.051	8.051	0.000	2455	0.1155	
24 Benzyl alcohol	79	8.186	8.190	-0.004	1433	0.0983	
25 1,2-Dichlorobenzene	146	8.248	8.253	-0.005	2227	0.1149	
26 2-Methylphenol	108	8.301	8.306	-0.005	1702	0.1086	
27 2,2'-oxybis[1-chloropropane]	45	8.335	8.334	0.001	1786	0.1138	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.446	8.445	0.001	1744	0.1067	
30 Acetophenone	105	8.470	8.469	0.001	2395	0.1022	
29 N-Nitrosodi-n-propylamine	70	8.479	8.479	0.000	1190	0.0955	
31 Hexachloroethane	117	8.561	8.560	0.001	764	0.1044	
32 Nitrobenzene	77	8.657	8.657	0.000	2081	0.1038	
33 Isophorone	82	8.869	8.873	-0.004	3048	0.0911	
35 2,4-Dimethylphenol	107	8.979	8.979	0.000	1751	0.0997	
34 2-Nitrophenol	139	8.979	8.979	0.000	640	0.1238	
37 Bis(2-chloroethoxy)methane	93	9.076	9.080	-0.004	2095	0.1039	
39 1,2,4-Trichlorobenzene	180	9.297	9.296	0.001	1872	0.1098	
40 Alpha-Terpineol	59	9.326	9.325	0.001	1253	0.1035	
41 Naphthalene	128	9.369	9.368	0.001	6022	0.1074	
42 4-Chloroaniline	127	9.431	9.431	0.000	1961	0.0963	
38 2,4-Dichlorophenol	162	9.436	9.440	-0.004	1194	0.0961	
43 Hexachlorobutadiene	225	9.523	9.522	0.001	987	0.1062	
44 Caprolactam	55	9.725	9.739	-0.014	1006	0.1810	
45 4-Chloro-3-methylphenol	107	9.879	9.883	-0.004	1372	0.0906	
46 2-Methylnaphthalene	142	10.052	10.056	-0.004	3934	0.1070	
47 1-Methylnaphthalene	142	10.172	10.171	0.001	3726	0.1041	
49 1,2,4,5-Tetrachlorobenzene	216	10.263	10.263	0.000	1596	0.1096	
48 Hexachlorocyclopentadiene	237	10.268	10.272	-0.004	322	0.1434	
50 2,4,6-Trichlorophenol	196	10.355	10.359	-0.004	769	0.0818	
51 2,4,5-Trichlorophenol	196	10.393	10.397	-0.004	692	0.0724	
52 1,1'-Biphenyl	154	10.523	10.522	0.001	4751	0.1076	
53 2-Chloronaphthalene	162	10.590	10.590	0.000	3538	0.1099	
54 Phenyl ether	170	10.624	10.628	-0.004	2385	0.1026	
55 2-Nitroaniline	65	10.682	10.681	0.001	759	0.1380	
56 Dimethyl phthalate	163	10.855	10.854	0.001	4121	0.1024	
57 2,6-Dinitrotoluene	165	10.951	10.950	0.001	594	0.0715	
58 Acenaphthylene	152	10.985	10.984	0.001	4885	0.0913	
59 3-Nitroaniline	138	11.095	11.099	-0.004	537	0.1057	
61 Acenaphthene	153	11.167	11.167	0.000	3634	0.1029	
64 Dibenzofuran	168	11.321	11.321	0.000	5103	0.1044	
63 2,4-Dinitrotoluene	165	11.341	11.340	0.001	590	0.1374	
65 2,3,4,6-Tetrachlorophenol	232	11.480	11.479	0.001	330	0.1424	
66 Diethyl phthalate	149	11.547	11.547	0.000	4362	0.1057	
67 4-Chlorophenyl phenyl ether	204	11.639	11.638	0.001	1808	0.0968	
69 Fluorene	166	11.668	11.672	-0.004	4135	0.1043	
68 4-Nitroaniline	138	11.716	11.720	-0.004	402	0.1075	
71 Diphenylamine	169	11.764	11.768	-0.004	2844	0.0924	
72 N-Nitrosodiphenylamine	169	11.764	11.768	-0.004	2844	0.0924	
73 1,2-Diphenylhydrazine	77	11.797	11.797	0.000	3414	0.0879	
74 Azobenzene	77	11.797	11.797	0.000	3414	0.0879	
13 Benzophenone	105	11.831	11.830	0.001	2549	0.0866	
75 4-Bromophenyl phenyl ether	248	12.134	12.134	0.000	973	0.1223	M
77 Atrazine	200	12.293	12.297	-0.004	754	0.0851	
76 Hexachlorobenzene	284	12.302	12.306	-0.004	1106	0.1107	
79 Pentachloronitrobenzene	237	12.548	12.552	-0.004	236	0.1084	
81 Anthracene	178	12.639	12.643	-0.004	5905	0.1134	
80 Phenanthrene	178	12.687	12.686	0.001	4322	0.0920	
83 Carbazole	167	12.841	12.840	0.001	3697	0.0908	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	6233	0.1049	

Report Date: 30-Sep-2009 08:25:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.851	13.850	0.001	4660	0.0990	
85 Pyrene	202	14.091	14.091	0.000	5052	0.1298	
89 Butyl benzyl phthalate	149	14.697	14.701	-0.004	2248	0.1225	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	3055	0.1301	
91 3,3'-Dichlorobenzidine	252	15.313	15.317	-0.004	641	0.0987	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	3177	0.1190	
94 Chrysene	228	15.404	15.408	-0.004	3651	0.1372	
95 Di-n-octyl phthalate	149	15.923	15.928	-0.005	2125	0.1599	
97 Benzo[b]fluoranthene	252	16.539	16.543	-0.004	2872	0.1314	
98 Benzo[k]fluoranthene	252	16.568	16.567	0.001	2805	0.1277	
99 Benzo[a]pyrene	252	16.943	16.947	-0.004	1378	0.0980	M
101 Dibenz(a,h)anthracene	278	18.544	18.544	0.000	627	0.5963	
100 Indeno[1,2,3-cd]pyrene	276	18.554	18.553	0.001	782	0.0780	
102 Benzo[g,h,i]perylene	276	19.025	19.020	0.005	967	0.1022	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:25:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D

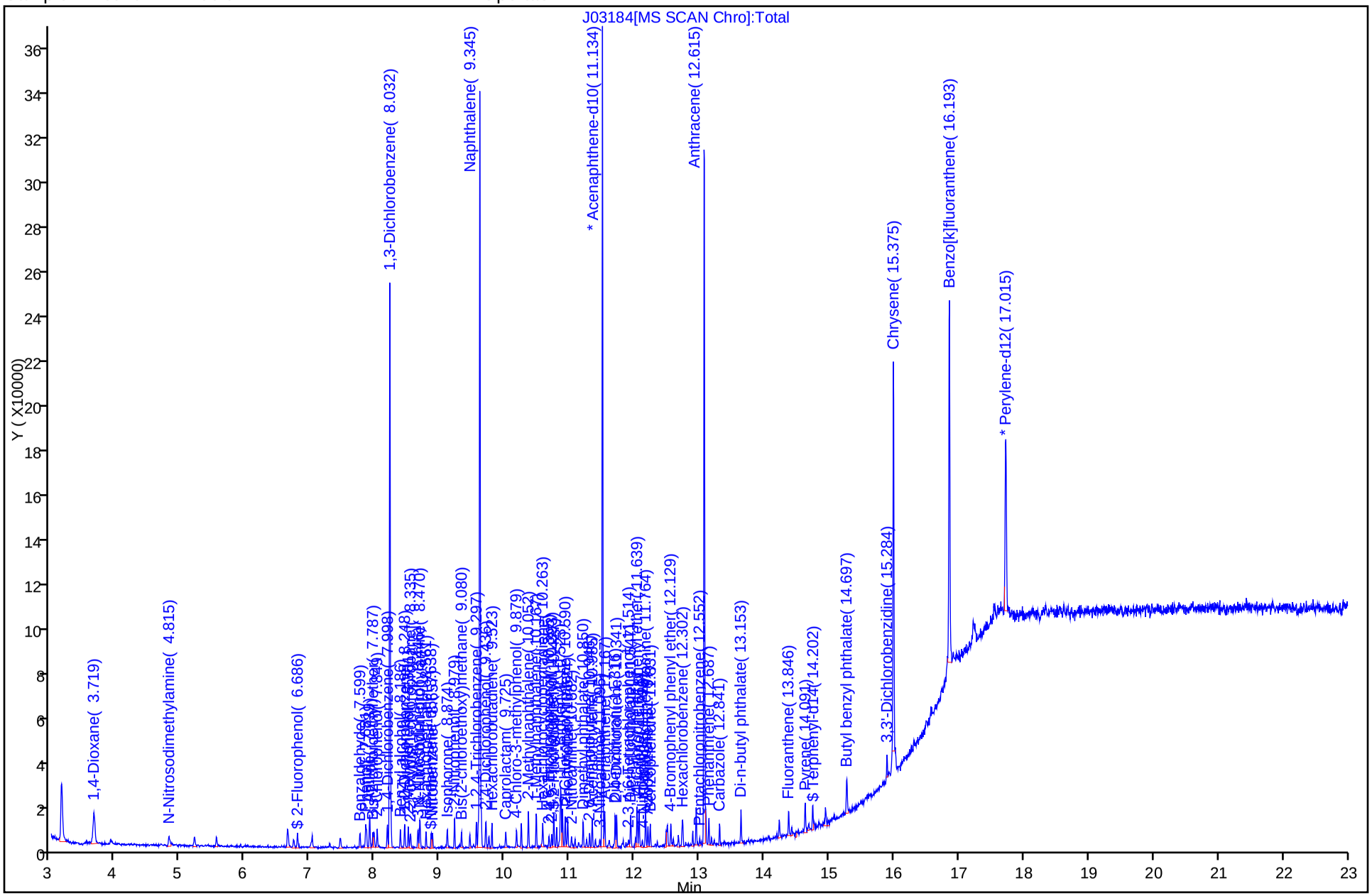
Inj Date: 28-Sep-2009 14:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: 0.1 UG/ML

Sample Amount: 1.00 ul Operator:



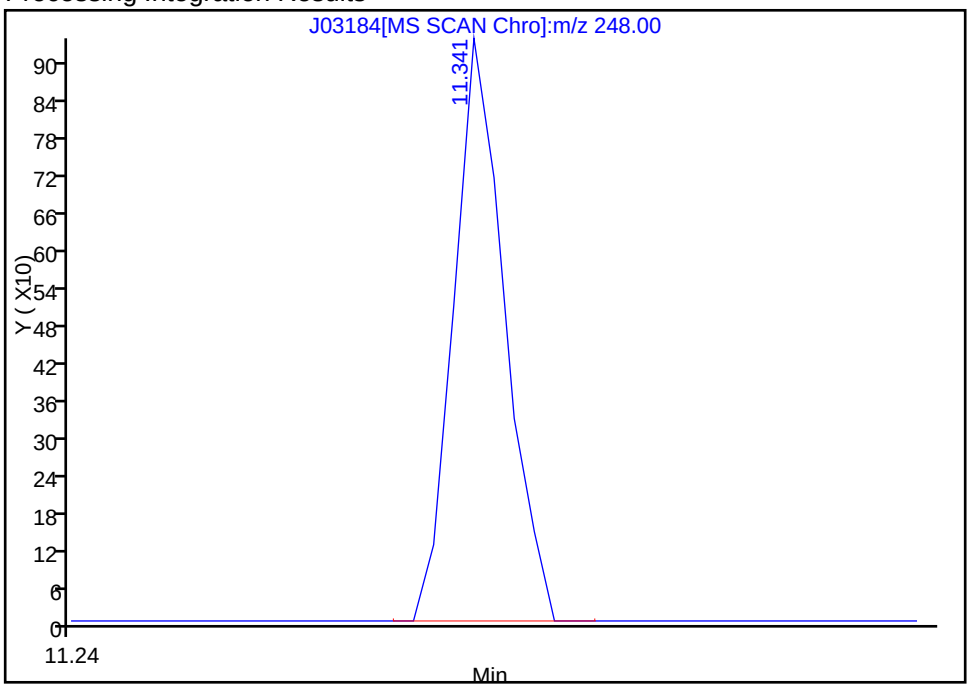
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D		
Inj Date:	28-Sep-2009 14:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

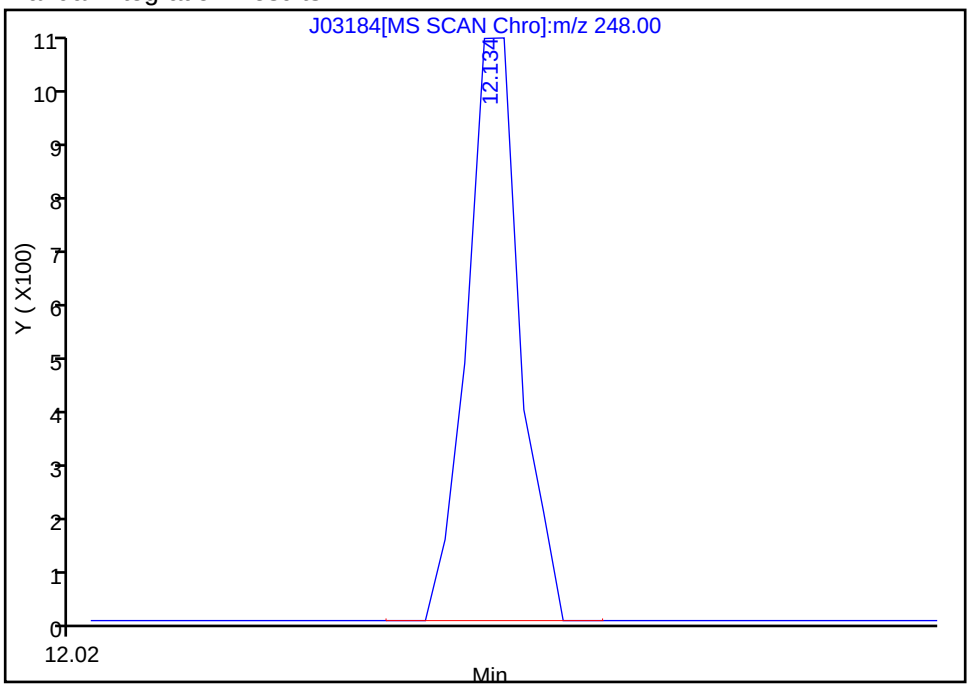
Processing Integration Results

RT: 11.34
Response: 789
Amount: 0.101776



Manual Integration Results

RT: 12.13
Response: 973
Amount: 0.122286



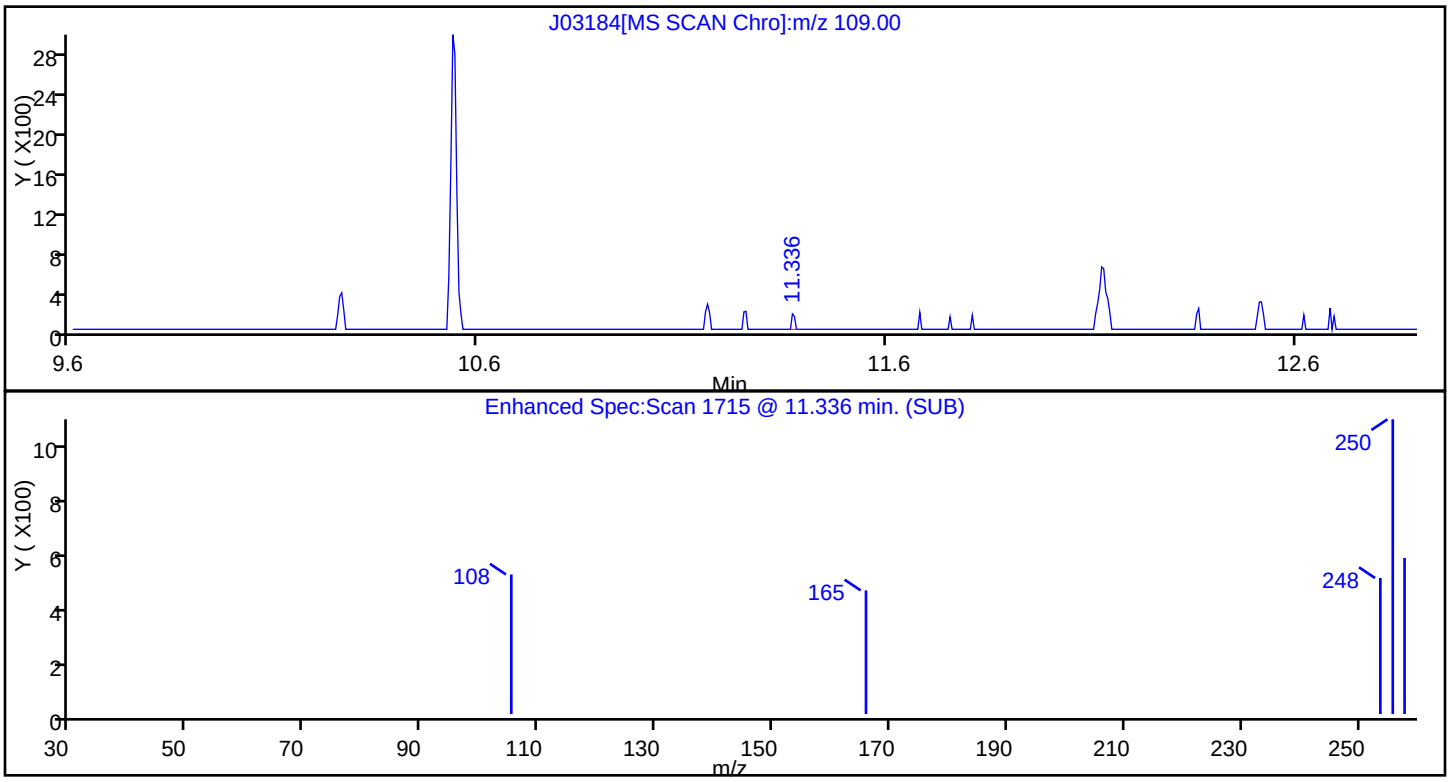
Reviewer: sullivanp, 30-Sep-2009 08:25:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D		
Inj Date:	28-Sep-2009 14:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 UG/ML		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
11.34	109.00	82	0.181507
11.32	139.00	1960	
11.35	64.00	84	

Reviewer: sullivanp, 29-Sep-2009 15:46:05
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D		
Inj Date:	28-Sep-2009 14:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 UG/ML		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 19.02

Processing Integration Results

Not Detected

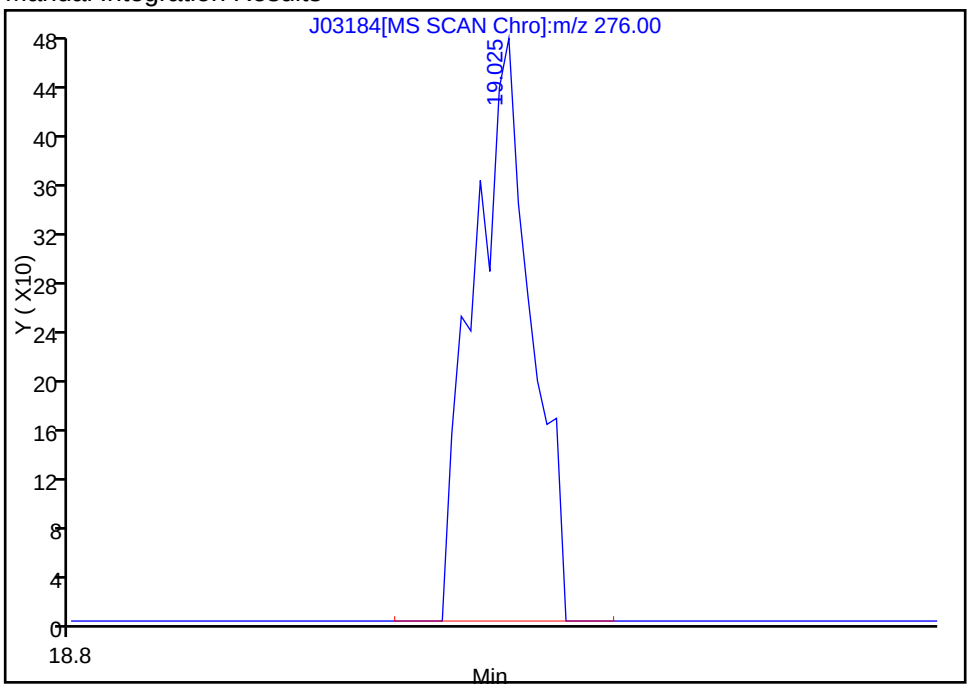
Expected RT: 19.02

Manual Integration Results

RT: 19.02

Response: 967

Amount: 0.102247



Reviewer: sullivanp, 29-Sep-2009 15:46:05

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03184.D		
Inj Date:	28-Sep-2009 14:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 UG/ML		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 16.95

Processing Integration Results

Not Detected

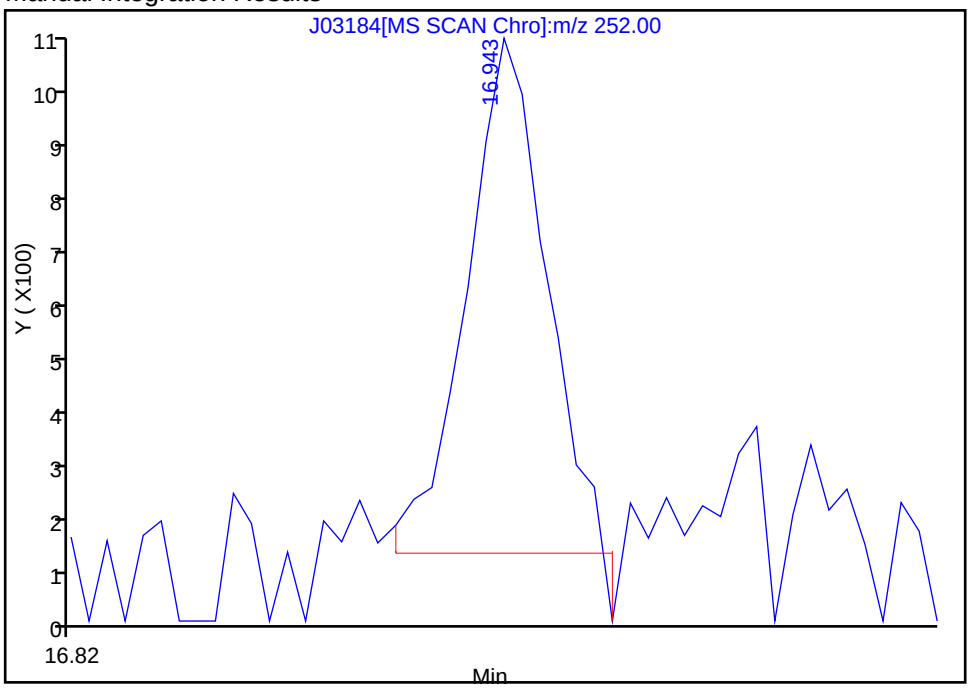
Expected RT: 16.95

Manual Integration Results

RT: 16.94

Response: 1378

Amount: 0.097991



Reviewer: sullivanp, 29-Sep-2009 15:46:05

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D		
Lims ID:	std025	Client ID:	
Inject. Date:	28-Sep-2009 15:09:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49645	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:25:56	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:22:13
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:25:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.033	8.036	-0.003	67549	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	166726	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	83888	2.00	
* 4 Phenanthrene-d10	188	12.615	12.619	-0.004	137531	2.00	
* 5 Chrysene-d12	240	15.376	15.379	-0.003	100142	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	71074	2.00	
$ 7 2-Fluorophenol	112	6.691	6.685	0.006	5096	0.2551	
$ 8 Phenol-d5	99	7.682	7.680	0.002	5877	0.2486	
$ 9 Nitrobenzene-d5	82	8.639	8.637	0.002	5229	0.2233	
$ 10 2-Fluorobiphenyl	172	10.427	10.426	0.001	12041	0.2482	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	812	0.2328	
$ 12 Terphenyl-d14	244	14.198	14.201	-0.003	9053	0.2512	
14 1,4-Dioxane	88	3.984	3.949	0.035	3419	0.5471	
16 Pyridine	79	4.796	4.747	0.049	4500	0.2291	
15 N-Nitrosodimethylamine	74	4.811	4.790	0.021	2671	0.2499	
17 Benzaldehyde	105	7.600	7.599	0.001	2908	0.2356	
18 Phenol	94	7.696	7.695	0.001	6305	0.2482	
19 Aniline	93	7.739	7.743	-0.004	7050	0.2369	
20 Bis(2-chloroethyl)ether	93	7.787	7.786	0.001	5577	0.2691	
21 2-Chlorophenol	128	7.850	7.849	0.001	5204	0.2514	
22 1,4-Dichlorobenzene	146	7.999	7.998	0.001	6240	0.2587	
23 1,3-Dichlorobenzene	146	8.052	8.051	0.001	6831	0.2720	
24 Benzyl alcohol	79	8.187	8.190	-0.003	3947	0.2291	
25 1,2-Dichlorobenzene	146	8.249	8.253	-0.004	5932	0.2589	
26 2-Methylphenol	108	8.302	8.306	-0.004	4473	0.2416	
27 2,2'-oxybis[1-chloropropane]	45	8.336	8.334	0.002	4883	0.2633	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.446	8.445	0.001	4625	0.2394	
30 Acetophenone	105	8.470	8.469	0.001	6875	0.2483	
29 N-Nitrosodi-n-propylamine	70	8.475	8.479	-0.004	3617	0.2456	
31 Hexachloroethane	117	8.562	8.560	0.002	2092	0.2419	
32 Nitrobenzene	77	8.658	8.657	0.001	5670	0.2372	
33 Isophorone	82	8.869	8.873	-0.004	8883	0.2226	
35 2,4-Dimethylphenol	107	8.980	8.979	0.001	4895	0.2337	
34 2-Nitrophenol	139	8.980	8.979	0.001	1853	0.2211	
37 Bis(2-chloroethoxy)methane	93	9.081	9.080	0.001	5797	0.2411	
39 1,2,4-Trichlorobenzene	180	9.297	9.296	0.001	5079	0.2498	
40 Alpha-Terpineol	59	9.326	9.325	0.001	3140	0.2174	
41 Naphthalene	128	9.365	9.368	-0.003	17126	0.2561	
42 4-Chloroaniline	127	9.432	9.431	0.001	5678	0.2339	
38 2,4-Dichlorophenol	162	9.437	9.440	-0.003	3403	0.2298	
43 Hexachlorobutadiene	225	9.523	9.522	0.001	2740	0.2473	
44 Caprolactam	55	9.725	9.739	-0.014	1024	0.1516	
45 4-Chloro-3-methylphenol	107	9.879	9.883	-0.004	4034	0.2233	
46 2-Methylnaphthalene	142	10.052	10.056	-0.004	10905	0.2488	
47 1-Methylnaphthalene	142	10.168	10.171	-0.003	10719	0.2511	
49 1,2,4,5-Tetrachlorobenzene	216	10.264	10.263	0.001	4427	0.2550	
48 Hexachlorocyclopentadiene	237	10.269	10.272	-0.003	914	0.2280	
50 2,4,6-Trichlorophenol	196	10.355	10.359	-0.004	2172	0.1999	
51 2,4,5-Trichlorophenol	196	10.394	10.397	-0.003	2377	0.2153	
52 1,1'-Biphenyl	154	10.519	10.522	-0.003	13011	0.2549	
53 2-Chloronaphthalene	162	10.591	10.590	0.001	9645	0.2591	
54 Phenyl ether	170	10.629	10.628	0.001	7169	0.2587	
55 2-Nitroaniline	65	10.682	10.681	0.001	2082	0.2380	
56 Dimethyl phthalate	163	10.851	10.854	-0.003	11296	0.2429	
57 2,6-Dinitrotoluene	165	10.947	10.950	-0.003	1907	0.1987	
58 Acenaphthylene	152	10.985	10.984	0.001	14609	0.2364	
59 3-Nitroaniline	138	11.096	11.099	-0.003	1817	0.2238	
61 Acenaphthene	153	11.163	11.167	-0.004	10425	0.2553	
62 4-Nitrophenol	109	11.336	11.220	0.116	246	0.3229	
64 Dibenzofuran	168	11.322	11.321	0.001	14103	0.2496	
63 2,4-Dinitrotoluene	165	11.341	11.340	0.001	2000	0.2337	
65 2,3,4,6-Tetrachlorophenol	232	11.481	11.479	0.002	1325	0.2453	
66 Diethyl phthalate	149	11.543	11.547	-0.004	11519	0.2416	
67 4-Chlorophenyl phenyl ether	204	11.639	11.638	0.001	5428	0.2515	
69 Fluorene	166	11.668	11.672	-0.004	11385	0.2484	
68 4-Nitroaniline	138	11.716	11.720	-0.004	1384	0.2199	
70 4,6-Dinitro-2-methylphenol	198	11.745	11.749	-0.004	362	0.4886	
71 Diphenylamine	169	11.764	11.768	-0.004	9211	0.2477	
72 N-Nitrosodiphenylamine	169	11.764	11.768	-0.004	9211	0.2477	
73 1,2-Diphenylhydrazine	77	11.798	11.797	0.001	10557	0.2248	
74 Azobenzene	77	11.798	11.797	0.001	10557	0.2248	
13 Benzophenone	105	11.832	11.830	0.002	8048	0.2261	
75 4-Bromophenyl phenyl ether	248	12.130	12.130	0.000	2903	0.2936	M
77 Atrazine	200	12.293	12.297	-0.004	2237	0.2088	
76 Hexachlorobenzene	284	12.303	12.306	-0.003	2984	0.2470	
79 Pentachloronitrobenzene	237	12.553	12.552	0.001	773	0.2086	
81 Anthracene	178	12.639	12.643	-0.004	16095	0.2557	
80 Phenanthrene	178	12.683	12.686	-0.003	12755	0.2247	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.841	12.840	0.001	11067	0.2248	
84 Di-n-butyl phthalate	149	13.154	13.153	0.001	16429	0.2288	
87 Fluoranthene	202	13.851	13.850	0.001	13401	0.2356	
85 Pyrene	202	14.092	14.091	0.001	14377	0.2439	
89 Butyl benzyl phthalate	149	14.702	14.701	0.001	6070	0.2183	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	7789	0.2189	
91 3,3'-Dichlorobenzidine	252	15.313	15.317	-0.004	2009	0.2041	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	9427	0.2331	
94 Chrysene	228	15.405	15.408	-0.003	10186	0.2526	
95 Di-n-octyl phthalate	149	15.924	15.928	-0.004	6823	0.2165	
97 Benzo[b]fluoranthene	252	16.539	16.543	-0.004	9657	0.2385	
98 Benzo[k]fluoranthene	252	16.563	16.567	-0.004	7787	0.2000	
99 Benzo[a]pyrene	252	16.943	16.947	-0.004	5790	0.2222	M
101 Dibenz(a,h)anthracene	278	18.545	18.544	0.001	3539	0.7237	
100 Indeno[1,2,3-cd]pyrene	276	18.549	18.553	-0.004	4597	0.2474	
102 Benzo[g,h,i]perylene	276	19.021	19.020	0.001	4574	0.2611	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:25:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D

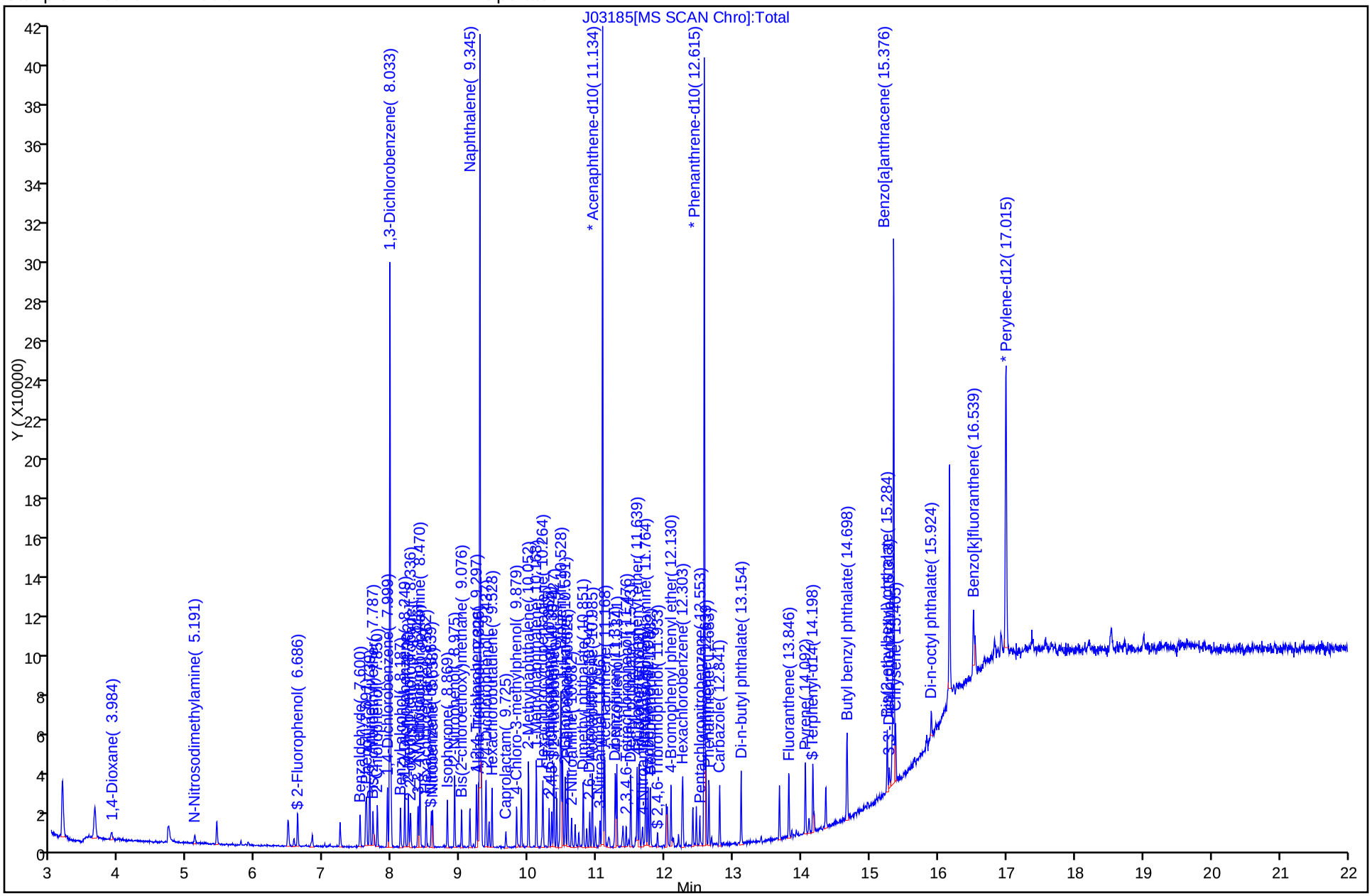
Inj Date: 28-Sep-2009 15:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: 0.25 UG/ML

Sample Amount: 1.00 ul Operator:



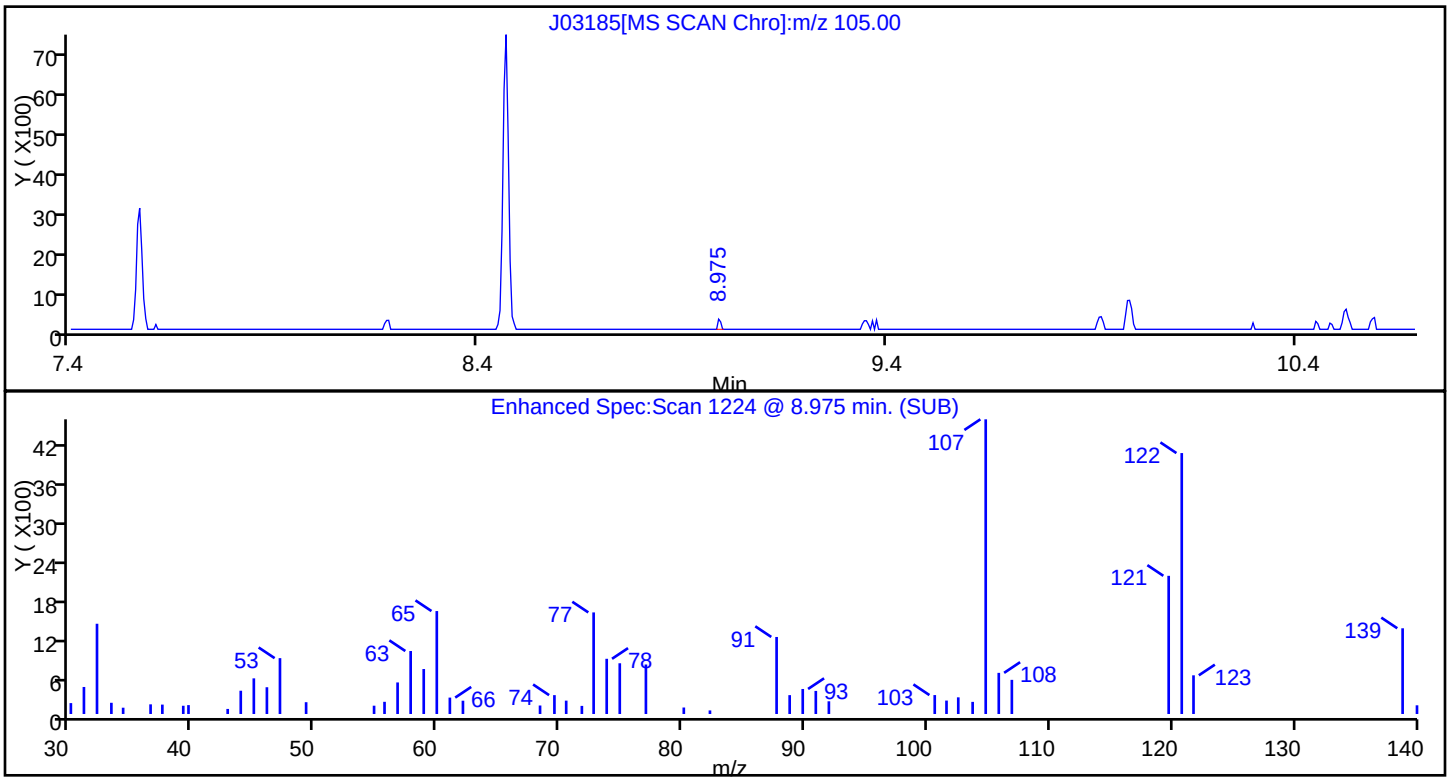
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D		
Inj Date:	28-Sep-2009 15:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 UG/ML		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.98	105.00	128	0.680769
8.98	122.00	4087	
8.98	77.00	1725	

Reviewer: sullivanp, 29-Sep-2009 15:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

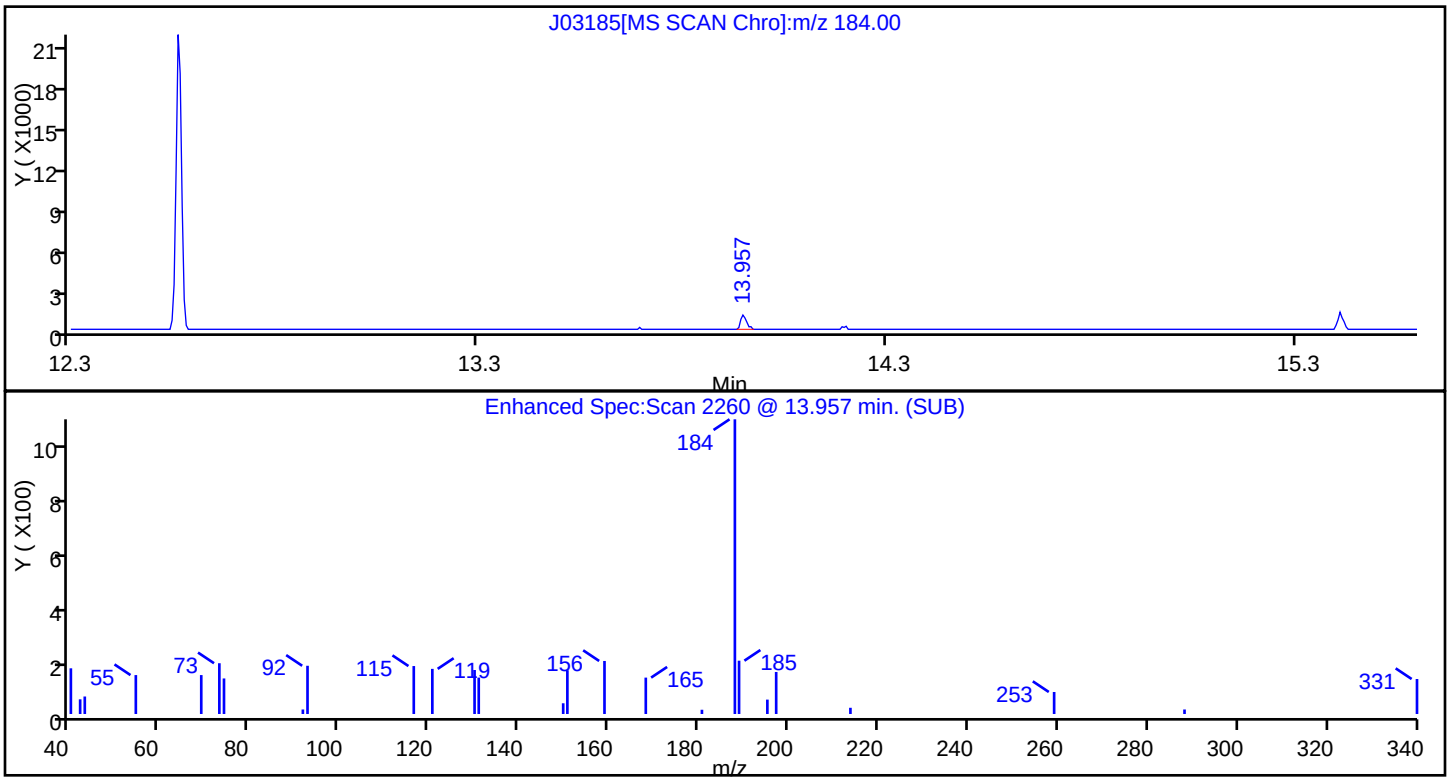
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D		
Inj Date:	28-Sep-2009 15:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 UG/ML		
Sample Amount:	1.00 ul	Operator:	

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.96	184.00	1046	0.803119
13.96	92.00	91	
13.96	156.00	102	

Reviewer: sullivanp, 29-Sep-2009 15:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

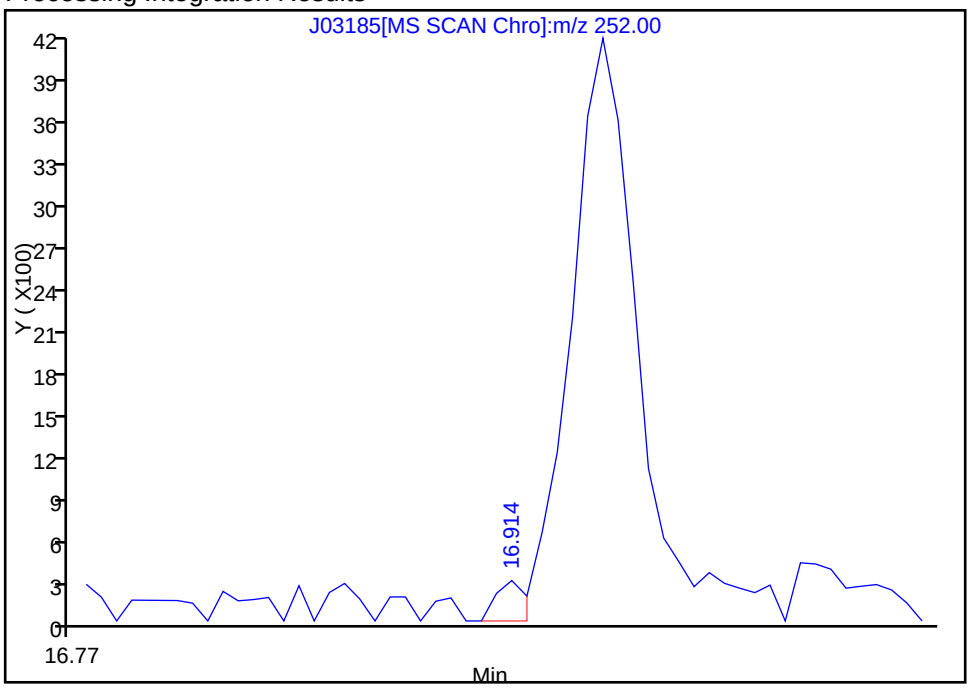
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D		
Inj Date:	28-Sep-2009 15:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 UG/ML		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 16.95

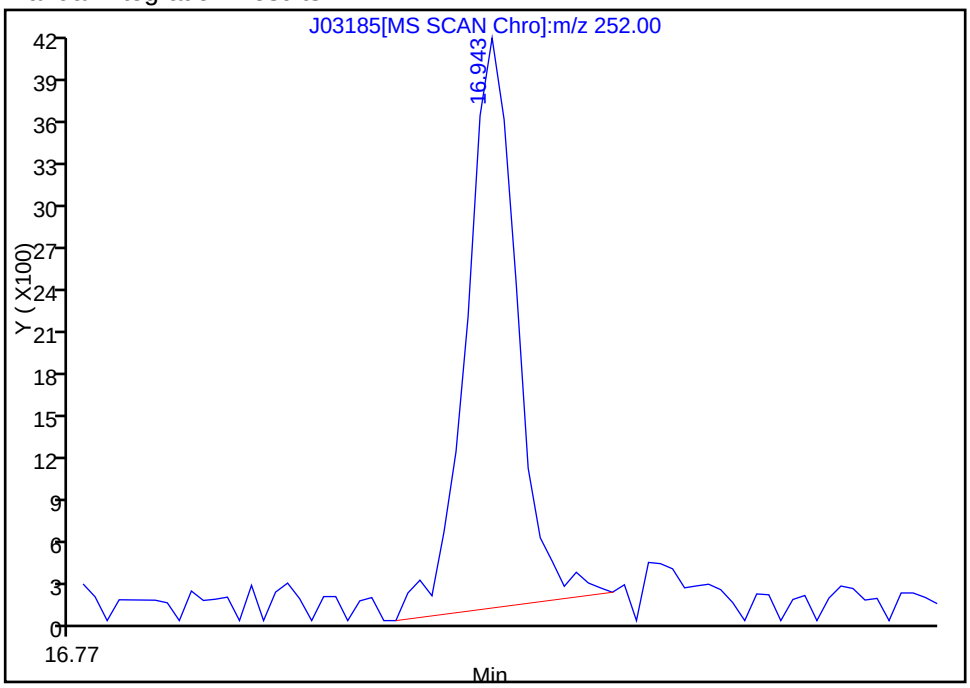
Processing Integration Results

RT: 16.91
Response: 193
Amount: 0.088579



Manual Integration Results

RT: 16.94
Response: 5790
Amount: 0.222244



Reviewer: sullivanp, 29-Sep-2009 15:22:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

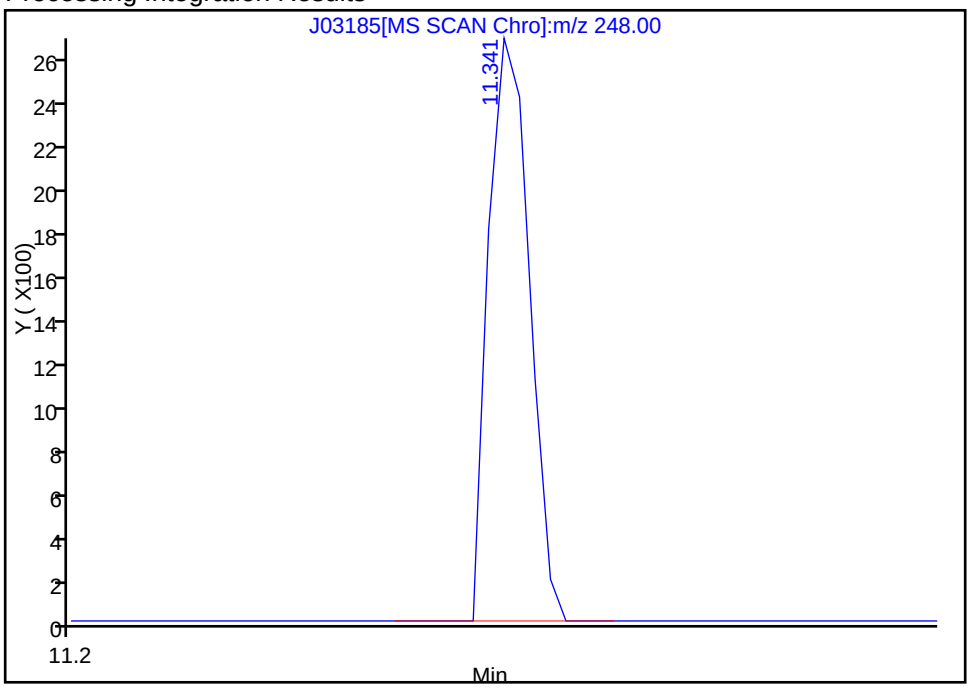
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03185.D		
Inj Date:	28-Sep-2009 15:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

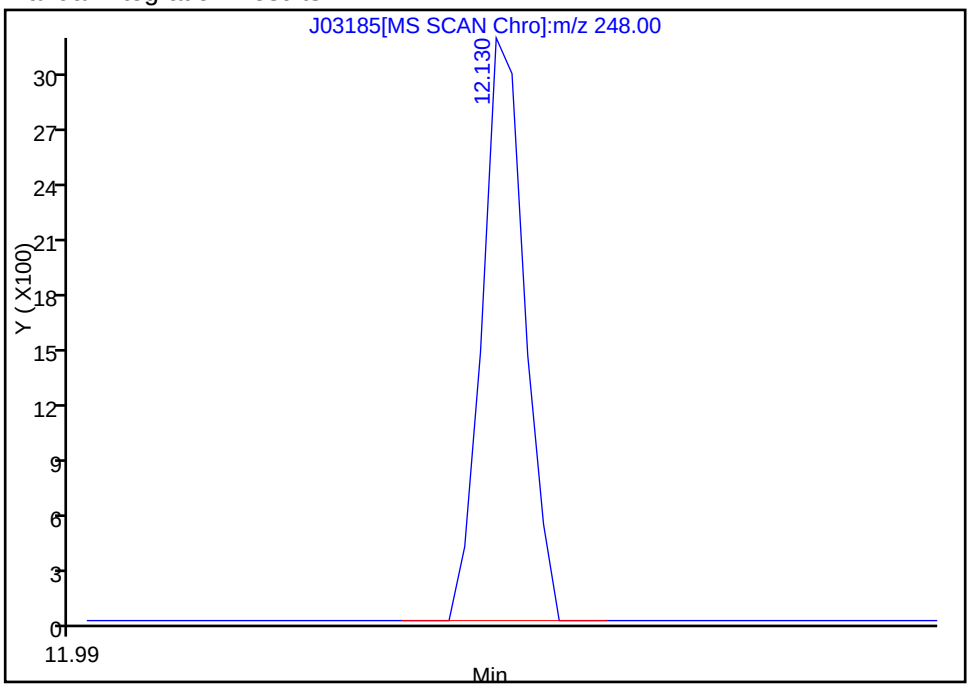
Processing Integration Results

RT: 11.34
Response: 2296
Amount: 0.238760



Manual Integration Results

RT: 12.13
Response: 2903
Amount: 0.293644



Reviewer: sullivanp, 30-Sep-2009 08:25:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03186.D		
Lims ID:	std05	Client ID:	
Inject. Date:	28-Sep-2009 15:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49645	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:26:32	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:46:34
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:26:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.033	8.036	-0.003	70036	2.00	
* 2 Naphthalene-d8	136	9.345	9.349	-0.004	175042	2.00	
* 3 Acenaphthene-d10	164	11.134	11.133	0.001	89916	2.00	
* 4 Phenanthrene-d10	188	12.615	12.619	-0.004	149694	2.00	
* 5 Chrysene-d12	240	15.376	15.379	-0.003	112437	2.00	
* 6 Perylene-d12	264	17.015	17.014	0.001	71733	2.00	
$ 7 2-Fluorophenol	112	6.686	6.685	0.001	10365	0.5004	
$ 8 Phenol-d5	99	7.682	7.680	0.002	12388	0.5054	
$ 9 Nitrobenzene-d5	82	8.639	8.637	0.002	11824	0.4810	
$ 10 2-Fluorobiphenyl	172	10.423	10.426	-0.003	26138	0.5026	
$ 11 2,4,6-Tribromophenol	330	11.937	11.936	0.001	1985	0.4190	
$ 12 Terphenyl-d14	244	14.198	14.201	-0.003	19803	0.4895	
14 1,4-Dioxane	88	3.974	3.949	0.025	5331	0.7599	
16 Pyridine	79	4.782	4.747	0.035	9843	0.4834	
15 N-Nitrosodimethylamine	74	4.806	4.790	0.016	5578	0.5034	
17 Benzaldehyde	105	7.600	7.599	0.001	6613	0.5168	
18 Phenol	94	7.691	7.695	-0.004	13558	0.5148	
19 Aniline	93	7.739	7.743	-0.004	15492	0.5021	
20 Bis(2-chloroethyl)ether	93	7.787	7.786	0.001	11436	0.5322	
21 2-Chlorophenol	128	7.850	7.849	0.001	10662	0.4967	
22 1,4-Dichlorobenzene	146	7.999	7.998	0.001	13409	0.5361	
23 1,3-Dichlorobenzene	146	8.052	8.051	0.001	13532	0.5197	
24 Benzyl alcohol	79	8.187	8.190	-0.003	8938	0.5005	
25 1,2-Dichlorobenzene	146	8.249	8.253	-0.004	12848	0.5409	
26 2-Methylphenol	108	8.302	8.306	-0.004	9894	0.5155	
27 2,2'-oxybis[1-chloropropane]	45	8.331	8.334	-0.003	10169	0.5288	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.441	8.445	-0.004	10230	0.5107	
30 Acetophenone	105	8.470	8.469	0.001	14866	0.5178	
29 N-Nitrosodi-n-propylamine	70	8.475	8.479	-0.004	7660	0.5017	
31 Hexachloroethane	117	8.562	8.560	0.002	4473	0.4989	
32 Nitrobenzene	77	8.653	8.657	-0.004	12350	0.4922	
33 Isophorone	82	8.869	8.873	-0.004	19739	0.4712	
35 2,4-Dimethylphenol	107	8.975	8.979	-0.004	10720	0.4874	
34 2-Nitrophenol	139	8.980	8.979	0.001	4793	0.4631	
36 Benzoic acid	105	9.018	9.037	-0.018	234	0.8714	
37 Bis(2-chloroethoxy)methane	93	9.076	9.080	-0.004	12589	0.4987	
39 1,2,4-Trichlorobenzene	180	9.297	9.296	0.001	10822	0.5071	
40 Alpha-Terpineol	59	9.321	9.325	-0.004	7226	0.4766	
41 Naphthalene	128	9.365	9.368	-0.003	36275	0.5168	
42 4-Chloroaniline	127	9.432	9.431	0.001	12515	0.4910	
38 2,4-Dichlorophenol	162	9.437	9.440	-0.003	7483	0.4812	
43 Hexachlorobutadiene	225	9.523	9.522	0.001	5822	0.5004	
44 Caprolactam	55	9.725	9.739	-0.014	2322	0.3506	
45 4-Chloro-3-methylphenol	107	9.879	9.883	-0.004	9007	0.4749	
46 2-Methylnaphthalene	142	10.052	10.056	-0.004	23534	0.5114	
47 1-Methylnaphthalene	142	10.168	10.171	-0.003	22945	0.5120	
49 1,2,4,5-Tetrachlorobenzene	216	10.264	10.263	0.001	9547	0.5238	
48 Hexachlorocyclopentadiene	237	10.269	10.272	-0.003	2413	0.4367	
50 2,4,6-Trichlorophenol	196	10.355	10.359	-0.004	5406	0.4642	
51 2,4,5-Trichlorophenol	196	10.394	10.397	-0.003	5453	0.4608	
52 1,1'-Biphenyl	154	10.519	10.522	-0.003	27029	0.4940	
53 2-Chloronaphthalene	162	10.591	10.590	0.001	19165	0.4804	
54 Phenyl ether	170	10.625	10.628	-0.003	15008	0.5159	
55 2-Nitroaniline	65	10.682	10.681	0.001	4620	0.4228	
56 Dimethyl phthalate	163	10.851	10.854	-0.003	24487	0.4912	
57 2,6-Dinitrotoluene	165	10.947	10.950	-0.003	4803	0.4670	
58 Acenaphthylene	152	10.985	10.984	0.001	32112	0.4847	
59 3-Nitroaniline	138	11.096	11.099	-0.003	4567	0.4650	
61 Acenaphthene	153	11.163	11.167	-0.004	21674	0.4952	
62 4-Nitrophenol	109	11.221	11.220	0.001	1535	0.5125	
64 Dibenzofuran	168	11.317	11.321	-0.004	30462	0.5030	
63 2,4-Dinitrotoluene	165	11.341	11.340	0.001	5126	0.4369	
65 2,3,4,6-Tetrachlorophenol	232	11.476	11.479	-0.003	3384	0.4453	
66 Diethyl phthalate	149	11.543	11.547	-0.004	24634	0.4821	
67 4-Chlorophenyl phenyl ether	204	11.639	11.638	0.001	11573	0.5002	
69 Fluorene	166	11.668	11.672	-0.004	23941	0.4873	
68 4-Nitroaniline	138	11.716	11.720	-0.004	3501	0.4502	
70 4,6-Dinitro-2-methylphenol	198	11.745	11.749	-0.004	964	0.6007	
71 Diphenylamine	169	11.764	11.768	-0.004	20092	0.4965	
72 N-Nitrosodiphenylamine	169	11.764	11.768	-0.004	20092	0.4965	
73 1,2-Diphenylhydrazine	77	11.798	11.797	0.001	24489	0.4791	
74 Azobenzene	77	11.798	11.797	0.001	24489	0.4791	
13 Benzophenone	105	11.832	11.830	0.002	18623	0.4808	
75 4-Bromophenyl phenyl ether	248	12.130	12.130	0.000	6080	0.5548	M
77 Atrazine	200	12.293	12.297	-0.004	5512	0.4727	
76 Hexachlorobenzene	284	12.303	12.306	-0.003	6848	0.5209	
78 Pentachlorophenol	266	12.476	12.475	0.001	493	1.30	
79 Pentachloronitrobenzene	237	12.553	12.552	0.001	2201	0.4650	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	12.639	12.643	-0.004	34760	0.5074	
80 Phenanthrene	178	12.683	12.686	-0.003	30324	0.4907	
83 Carbazole	167	12.841	12.840	0.001	26552	0.4955	
84 Di-n-butyl phthalate	149	13.154	13.153	0.001	34993	0.4478	
87 Fluoranthene	202	13.846	13.850	-0.004	30487	0.4924	
86 Benzidine	184	13.957	13.961	-0.004	2842	1.07	
85 Pyrene	202	14.092	14.091	0.001	32876	0.4967	
89 Butyl benzyl phthalate	149	14.698	14.701	-0.003	13809	0.4423	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.283	0.001	16497	0.4129	
91 3,3'-Dichlorobenzidine	252	15.313	15.317	-0.004	4670	0.4226	
93 Benzo[a]anthracene	228	15.356	15.355	0.001	21474	0.4729	
94 Chrysene	228	15.405	15.408	-0.003	22233	0.4911	
95 Di-n-octyl phthalate	149	15.924	15.928	-0.004	15828	0.3900	
97 Benzo[b]fluoranthene	252	16.539	16.543	-0.004	19411	0.4749	
98 Benzo[k]fluoranthene	252	16.568	16.567	0.001	16043	0.4261	M
99 Benzo[a]pyrene	252	16.943	16.947	-0.004	11955	0.4547	
101 Dibenz(a,h)anthracene	278	18.540	18.544	-0.004	6125	0.8593	
100 Indeno[1,2,3-cd]pyrene	276	18.549	18.553	-0.004	8336	0.4445	
102 Benzo[g,h,i]perylene	276	19.016	19.020	-0.004	8359	0.4727	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:26:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03186.D

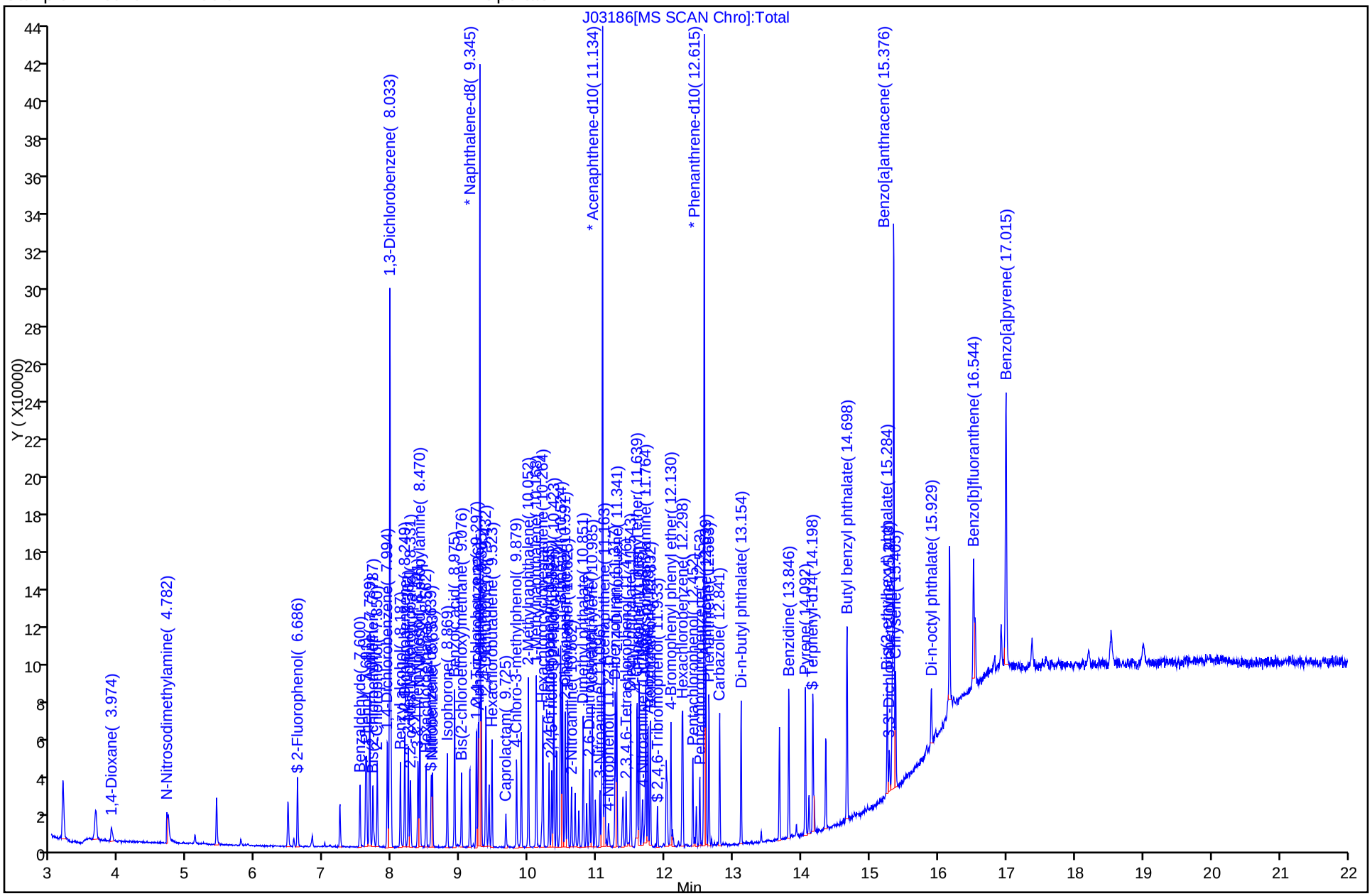
Inj Date: 28-Sep-2009 15:42:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: 0.5 UG/ML

Sample Amount: 1.00 ul Operator:

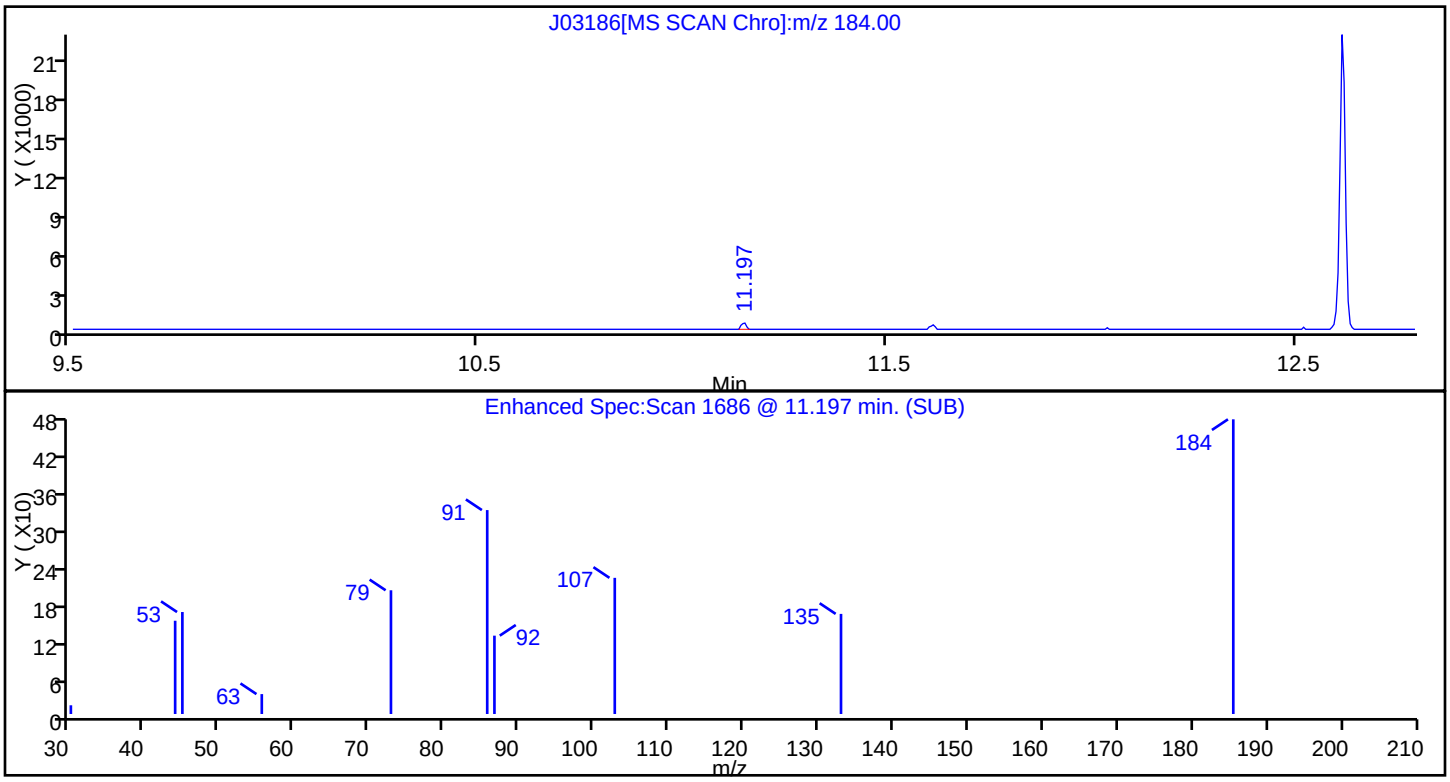


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03186.D		
Inj Date:	28-Sep-2009 15:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 UG/ML		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
11.20	184.00	402	-1.609981
11.19	63.00	368	
11.19	154.00	340	

Reviewer: sullivanp, 29-Sep-2009 15:46:34
Audit Action: Marked Compound Undetected
Audit Reason:

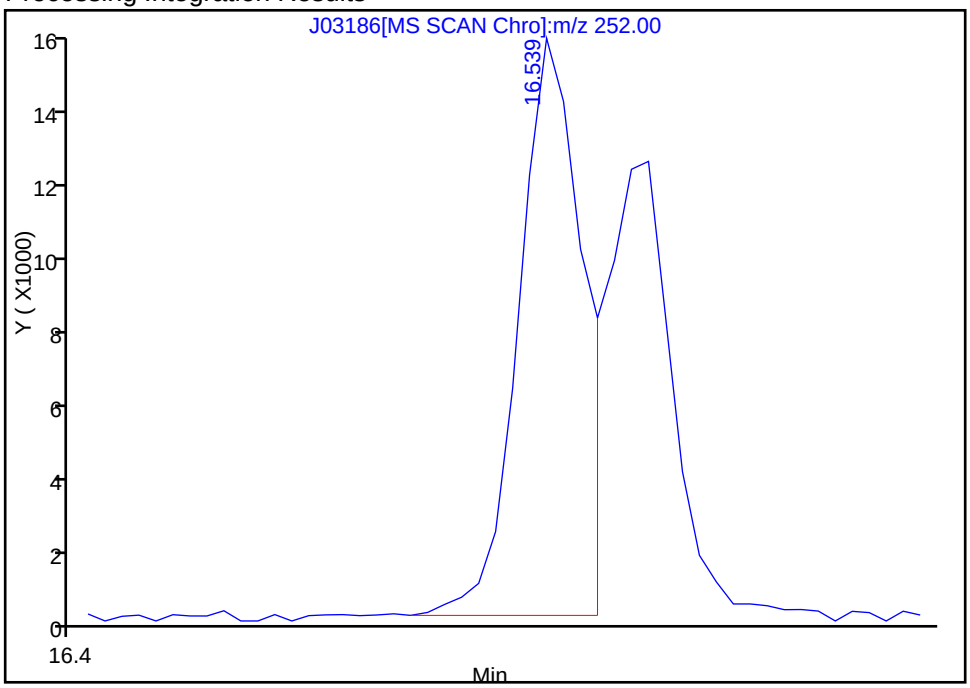
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03186.D		
Inj Date:	28-Sep-2009 15:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 UG/ML		
Sample Amount:	1.00 ul	Operator:	

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 16.57

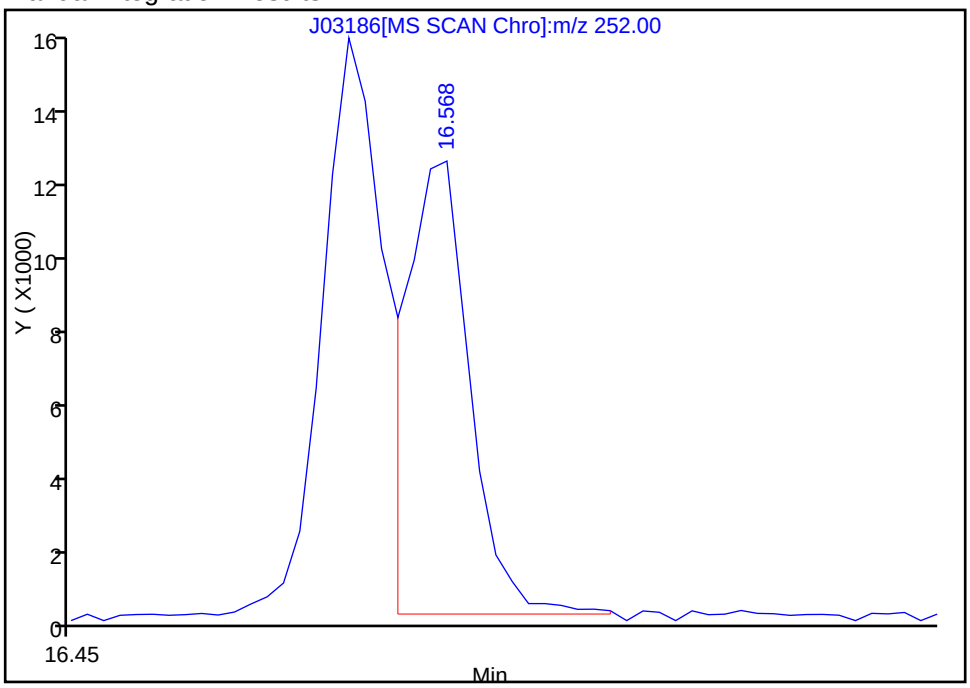
Processing Integration Results

RT: 16.54
Response: 19411
Amount: 0.748717



Manual Integration Results

RT: 16.57
Response: 16043
Amount: 0.426137



Reviewer: sullivanp, 29-Sep-2009 15:46:34
Audit Action: Manually Integrated
Audit Reason: Wrong peak

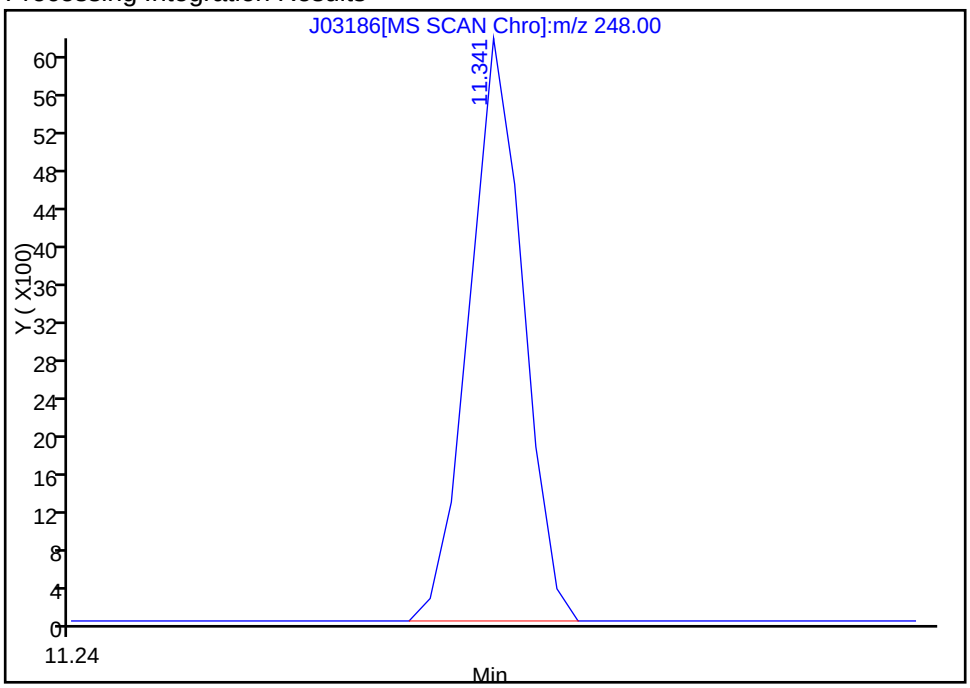
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03186.D		
Inj Date:	28-Sep-2009 15:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

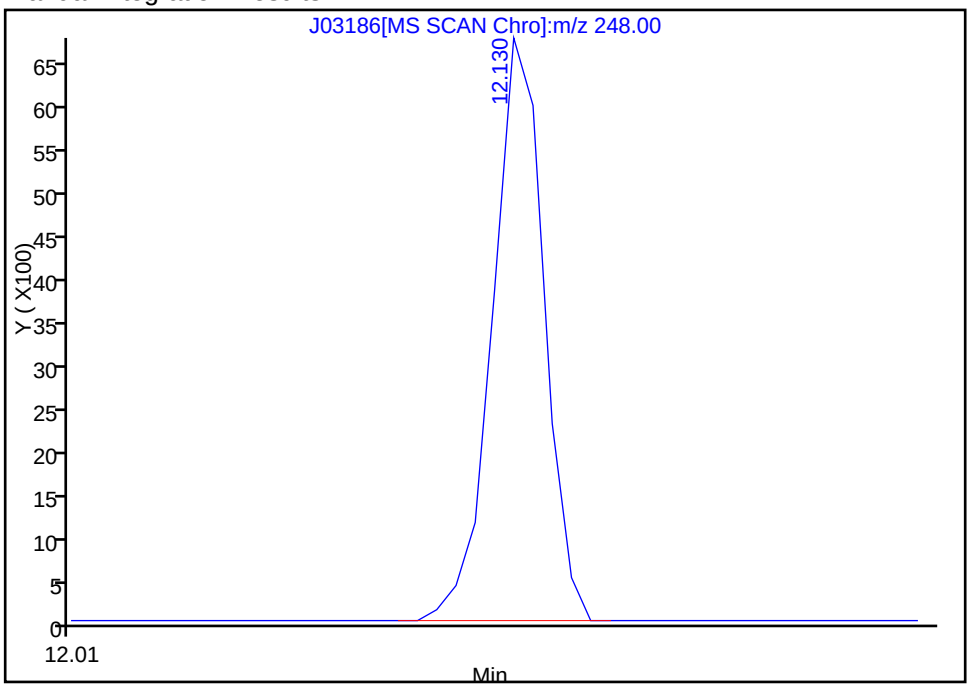
Processing Integration Results

RT: 11.34
Response: 5191
Amount: 0.482415



Manual Integration Results

RT: 12.13
Response: 6080
Amount: 0.554846



Reviewer: sullivanp, 30-Sep-2009 08:26:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03187.D		
Lims ID:	std1	Client ID:	
Inject. Date:	28-Sep-2009 16:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1.0 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49645	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:26:55	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:46:43
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:26:55

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.036	-0.002	60080	2.00	
* 2 Naphthalene-d8	136	9.342	9.349	-0.007	146529	2.00	
* 3 Acenaphthene-d10	164	11.131	11.133	-0.002	72714	2.00	
* 4 Phenanthrene-d10	188	12.617	12.619	-0.002	121304	2.00	
* 5 Chrysene-d12	240	15.377	15.379	-0.002	89462	2.00	
* 6 Perylene-d12	264	17.012	17.014	-0.002	53864	2.00	
$ 7 2-Fluorophenol	112	6.688	6.685	0.003	17712	1.00	
$ 8 Phenol-d5	99	7.679	7.680	-0.001	20810	0.9898	
$ 9 Nitrobenzene-d5	82	8.636	8.637	-0.001	20215	0.9824	
$ 10 2-Fluorobiphenyl	172	10.424	10.426	-0.002	43163	1.03	
$ 11 2,4,6-Tribromophenol	330	11.934	11.936	-0.002	3657	0.8465	
$ 12 Terphenyl-d14	244	14.199	14.201	-0.002	32897	1.02	
14 1,4-Dioxane	88	3.952	3.949	0.003	7550	1.17	
16 Pyridine	79	4.760	4.747	0.013	16311	0.9338	
15 N-Nitrosodimethylamine	74	4.798	4.790	0.008	9585	1.01	
17 Benzaldehyde	105	7.597	7.599	-0.002	11345	1.03	
18 Phenol	94	7.693	7.695	-0.002	22666	1.00	
19 Aniline	93	7.741	7.743	-0.002	26065	0.9848	
20 Bis(2-chloroethyl)ether	93	7.784	7.786	-0.002	18755	1.02	
21 2-Chlorophenol	128	7.847	7.849	-0.002	18480	1.00	
22 1,4-Dichlorobenzene	146	7.996	7.998	-0.002	22151	1.03	
23 1,3-Dichlorobenzene	146	8.049	8.051	-0.002	23102	1.03	
24 Benzyl alcohol	79	8.188	8.190	-0.002	14841	0.9687	
25 1,2-Dichlorobenzene	146	8.251	8.253	-0.002	20984	1.03	
26 2-Methylphenol	108	8.304	8.306	-0.002	16196	0.9836	
27 2,2'-oxybis[1-chloropropane]	45	8.333	8.334	-0.001	16812	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.443	8.445	-0.002	17279	1.01	
30 Acetophenone	105	8.467	8.469	-0.002	25103	1.02	
29 N-Nitrosodi-n-propylamine	70	8.477	8.479	-0.002	13274	1.01	
31 Hexachloroethane	117	8.563	8.560	0.003	7772	1.01	
32 Nitrobenzene	77	8.655	8.657	-0.002	21100	1.00	
33 Isophorone	82	8.871	8.873	-0.002	34118	0.9730	
35 2,4-Dimethylphenol	107	8.977	8.979	-0.002	17723	0.9626	
34 2-Nitrophenol	139	8.977	8.979	-0.002	7889	0.8566	
36 Benzoic acid	105	9.015	9.037	-0.021	722	0.9773	
37 Bis(2-chloroethoxy)methane	93	9.078	9.080	-0.002	20781	0.9835	
39 1,2,4-Trichlorobenzene	180	9.294	9.296	-0.002	18101	1.01	
40 Alpha-Terpineol	59	9.323	9.325	-0.002	11886	0.9365	
41 Naphthalene	128	9.366	9.368	-0.002	59935	1.02	
42 4-Chloroaniline	127	9.429	9.431	-0.002	20994	0.9840	
38 2,4-Dichlorophenol	162	9.439	9.440	-0.001	12934	0.99	
43 Hexachlorobutadiene	225	9.520	9.522	-0.002	9747	1.00	
44 Caprolactam	55	9.722	9.739	-0.017	4482	0.8343	
45 4-Chloro-3-methylphenol	107	9.881	9.883	-0.002	15149	0.9542	
46 2-Methylnaphthalene	142	10.054	10.056	-0.002	39057	1.01	
47 1-Methylnaphthalene	142	10.170	10.171	-0.001	38063	1.01	
49 1,2,4,5-Tetrachlorobenzene	216	10.261	10.263	-0.002	15582	1.02	
48 Hexachlorocyclopentadiene	237	10.271	10.272	-0.001	4287	0.8573	
50 2,4,6-Trichlorophenol	196	10.352	10.359	-0.007	9014	0.9571	
51 2,4,5-Trichlorophenol	196	10.391	10.397	-0.006	9231	0.9646	
52 1,1'-Biphenyl	154	10.521	10.522	-0.001	45523	1.03	
53 2-Chloronaphthalene	162	10.588	10.590	-0.002	33172	1.03	
54 Phenyl ether	170	10.626	10.628	-0.002	24813	1.02	
55 2-Nitroaniline	65	10.679	10.681	-0.002	8297	0.8593	
56 Dimethyl phthalate	163	10.852	10.854	-0.002	40307	1.00	
57 2,6-Dinitrotoluene	165	10.949	10.950	-0.001	8239	0.99	
58 Acenaphthylene	152	10.982	10.984	-0.002	54550	1.02	
59 3-Nitroaniline	138	11.093	11.099	-0.006	8071	0.9635	
61 Acenaphthene	153	11.165	11.167	-0.002	35286	1.00	
60 2,4-Dinitrophenol	184	11.194	11.196	-0.002	878	1.09	
62 4-Nitrophenol	109	11.223	11.220	0.003	3136	0.8619	
64 Dibenzofuran	168	11.319	11.321	-0.002	49131	1.00	
63 2,4-Dinitrotoluene	165	11.343	11.340	0.003	8875	0.8355	
65 2,3,4,6-Tetrachlorophenol	232	11.478	11.479	-0.001	5709	0.8195	
66 Diethyl phthalate	149	11.545	11.547	-0.002	40237	0.9737	
67 4-Chlorophenyl phenyl ether	204	11.636	11.638	-0.002	19182	1.03	
69 Fluorene	166	11.670	11.672	-0.002	39741	1.00	
68 4-Nitroaniline	138	11.718	11.720	-0.002	5943	0.8893	
70 4,6-Dinitro-2-methylphenol	198	11.747	11.749	-0.002	2057	0.9081	
71 Diphenylamine	169	11.766	11.768	-0.002	33141	1.01	
72 N-Nitrosodiphenylamine	169	11.766	11.768	-0.002	33141	1.01	
73 1,2-Diphenylhydrazine	77	11.795	11.797	-0.002	41532	1.00	
74 Azobenzene	77	11.795	11.797	-0.002	41532	1.00	
13 Benzophenone	105	11.829	11.830	-0.001	31801	1.01	
75 4-Bromophenyl phenyl ether	248	12.132	12.132	0.000	10389	1.14	M
77 Atrazine	200	12.295	12.297	-0.002	9322	0.9866	
76 Hexachlorobenzene	284	12.305	12.306	-0.001	11177	1.05	
78 Pentachlorophenol	266	12.478	12.475	0.003	1159	1.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	12.550	12.552	-0.002	3809	0.9365	
81 Anthracene	178	12.641	12.643	-0.002	56258	1.01	
80 Phenanthrene	178	12.685	12.686	-0.001	51021	1.02	
83 Carbazole	167	12.838	12.840	-0.002	43661	1.01	
84 Di-n-butyl phthalate	149	13.156	13.153	0.003	60352	0.9530	
87 Fluoranthene	202	13.848	13.850	-0.002	50456	1.01	
86 Benzidine	184	13.959	13.961	-0.002	5398	1.33	
85 Pyrene	202	14.089	14.091	-0.002	52863	1.00	
89 Butyl benzyl phthalate	149	14.699	14.701	-0.002	24122	0.9711	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.283	0.003	27567	0.8672	
91 3,3'-Dichlorobenzidine	252	15.315	15.317	-0.002	7893	0.8978	
93 Benzo[a]anthracene	228	15.353	15.355	-0.002	35394	0.9796	
94 Chrysene	228	15.406	15.408	-0.002	35635	0.9892	
95 Di-n-octyl phthalate	149	15.926	15.928	-0.002	27210	0.7860	
97 Benzo[b]fluoranthene	252	16.541	16.543	-0.002	28809	0.9387	
98 Benzo[k]fluoranthene	252	16.565	16.567	-0.002	28132	1.02	
99 Benzo[a]pyrene	252	16.945	16.947	-0.002	18012	0.9123	
101 Dibenz(a,h)anthracene	278	18.542	18.544	-0.002	8394	1.13	
100 Indeno[1,2,3-cd]pyrene	276	18.551	18.553	-0.002	11437	0.8122	
102 Benzo[g,h,i]perylene	276	19.023	19.020	0.003	12097	0.9110	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:26:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03187.D

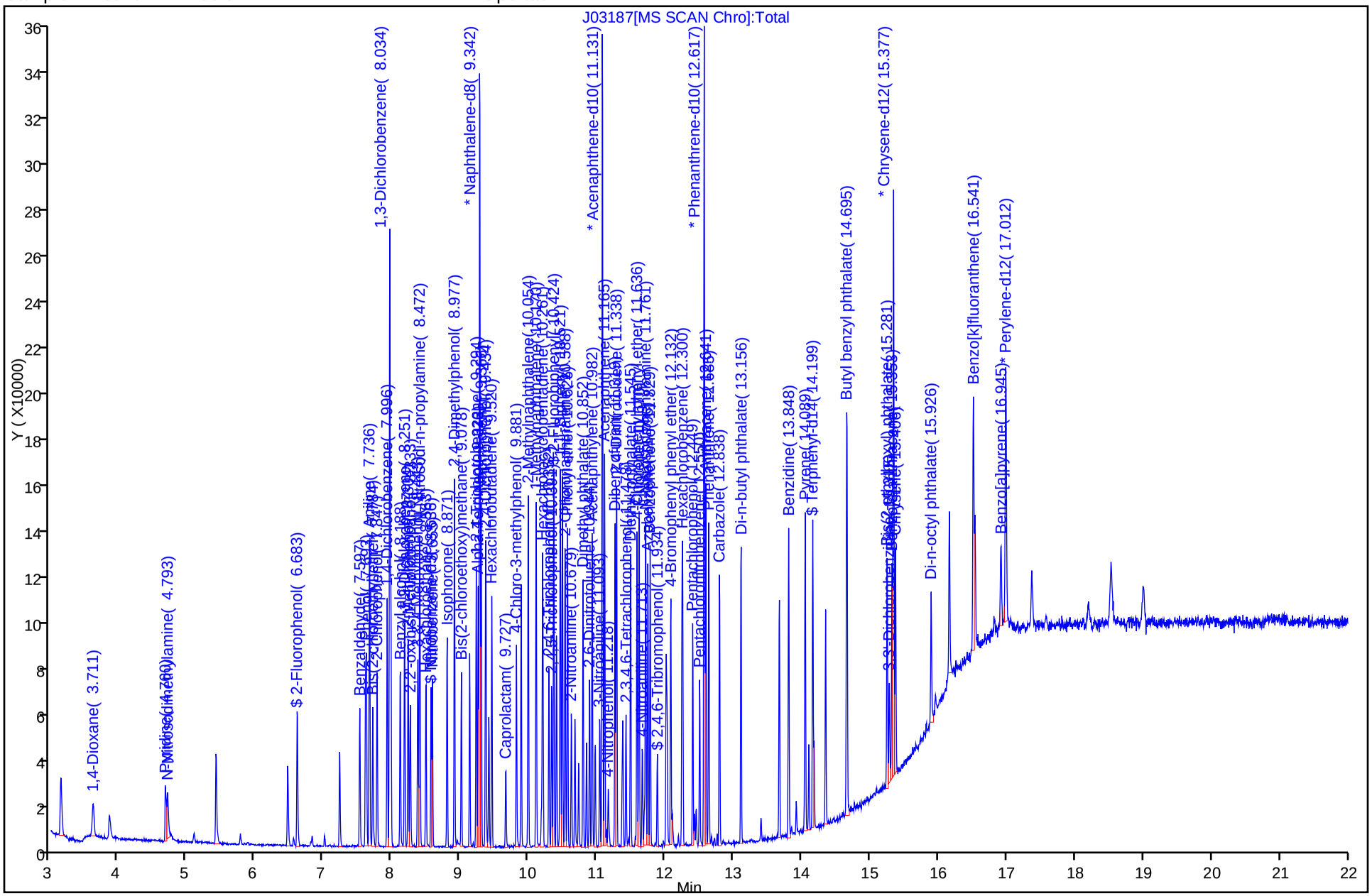
Inj Date: 28-Sep-2009 16:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: 1.0 UG/ML

Sample Amount: 1.00 ul Operator:

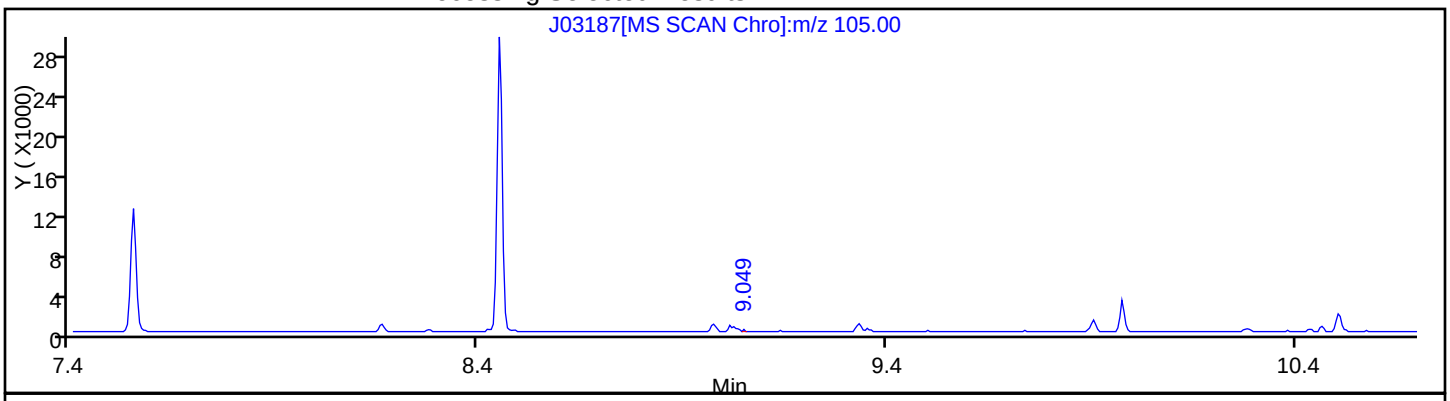


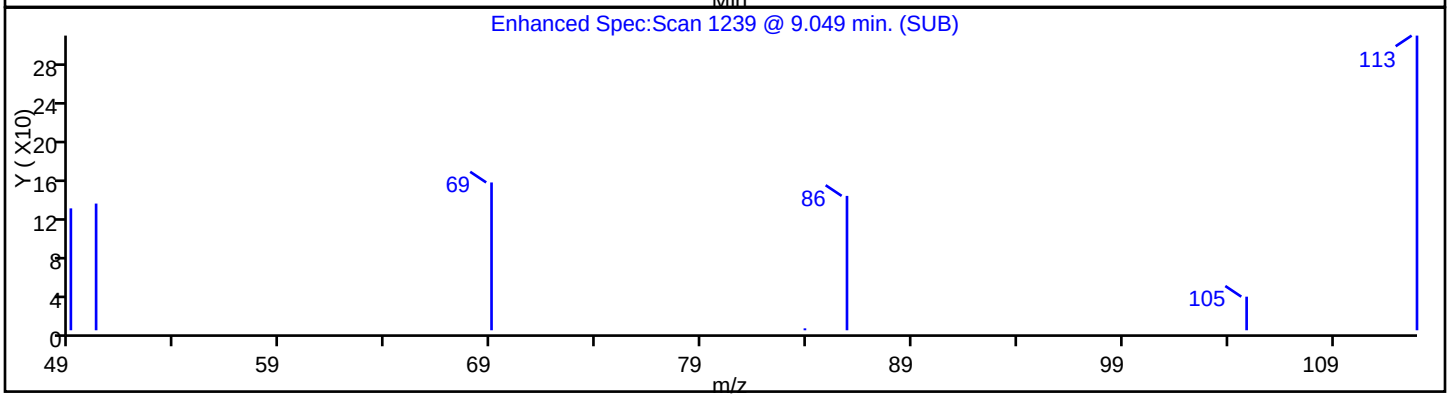
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03187.D		
Inj Date:	28-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	1.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

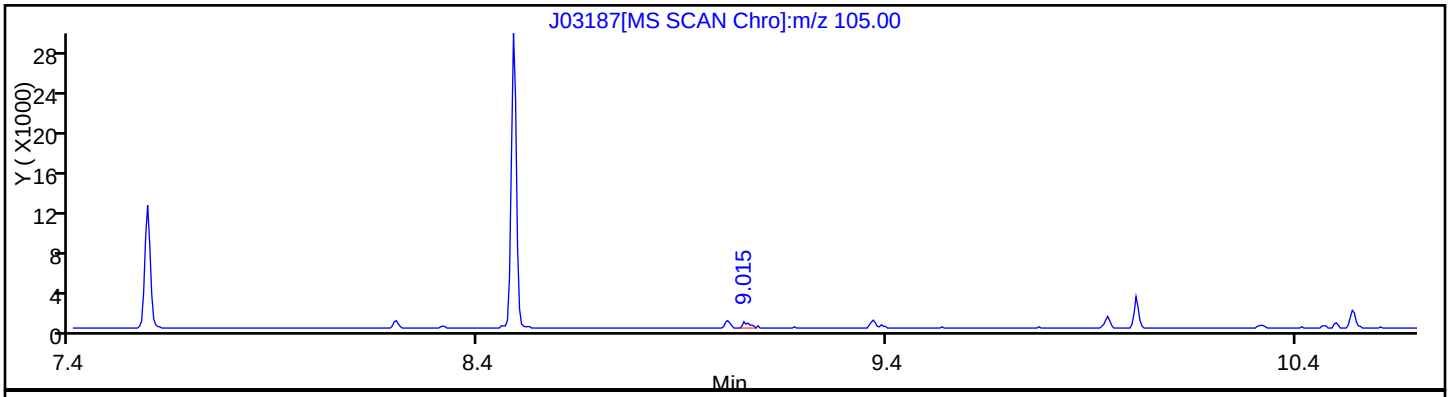
36 Benzoic acid

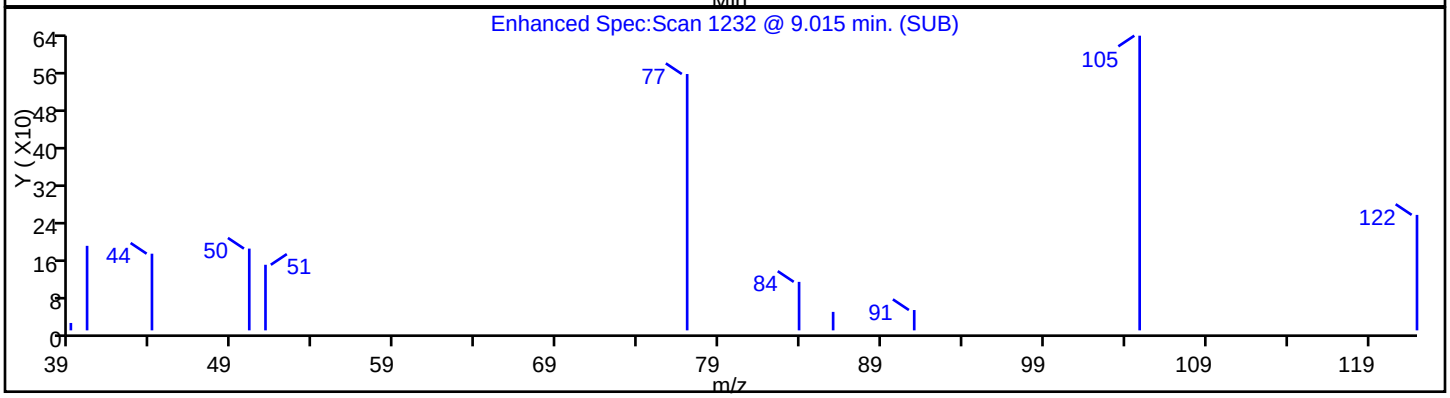
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 29-Sep-2009 15:46:43
Audit Action: Selected Alternate Hit
Audit Reason:

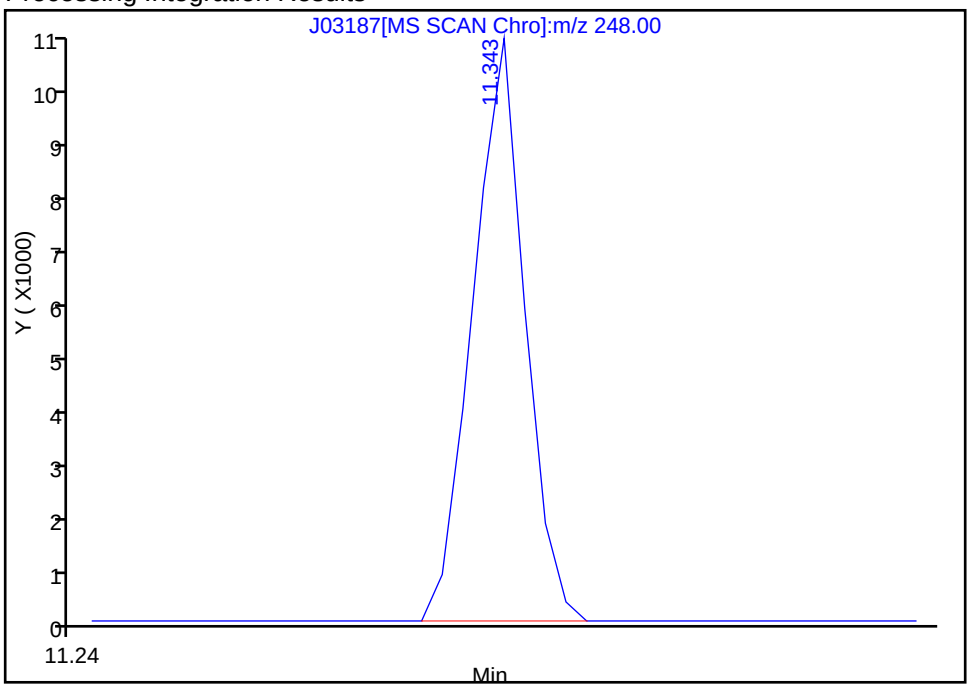
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03187.D		
Inj Date:	28-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	1.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

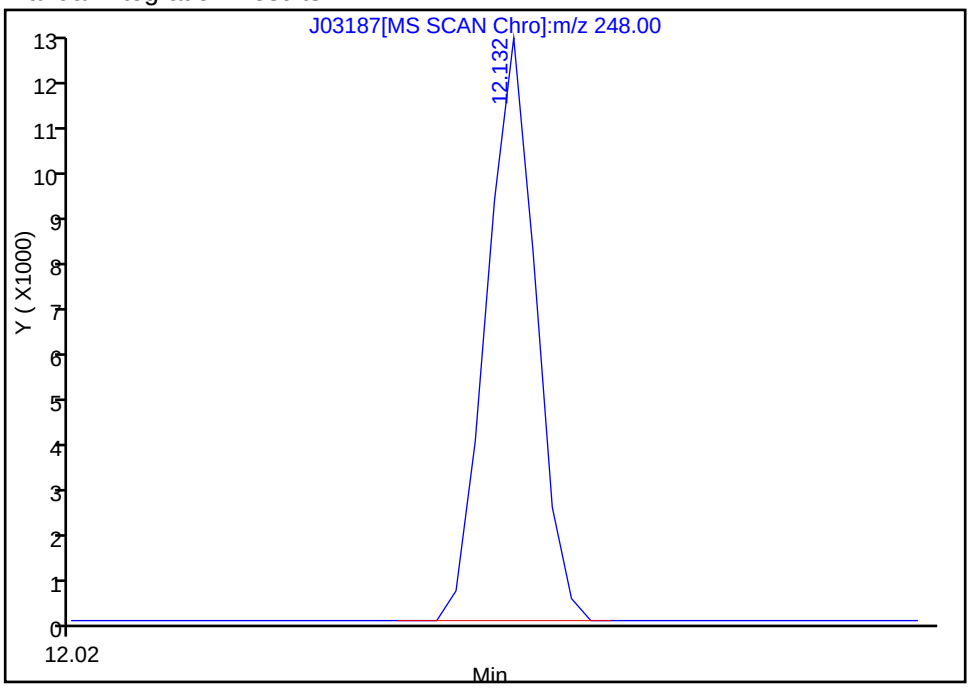
Processing Integration Results

RT: 11.34
Response: 8480
Amount: 0.954979



Manual Integration Results

RT: 12.13
Response: 10389
Amount: 1.142667



Reviewer: sullivanp, 30-Sep-2009 08:26:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03188.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	28-Sep-2009 16:47:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49645	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:27:21	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:46:53
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:27:21

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.035	8.035	0.000	76352	2.00	
* 2 Naphthalene-d8	136	9.348	9.347	0.001	177685	2.00	
* 3 Acenaphthene-d10	164	11.132	11.136	-0.004	91876	2.00	
* 4 Phenanthrene-d10	188	12.618	12.617	0.001	156051	2.00	
* 5 Chrysene-d12	240	15.378	15.378	0.000	126063	2.00	
* 6 Perylene-d12	264	17.013	17.018	-0.005	76662	2.00	
$ 7 2-Fluorophenol	112	6.684	6.688	-0.004	56038	2.48	
$ 8 Phenol-d5	99	7.680	7.684	-0.004	68268	2.55	
$ 9 Nitrobenzene-d5	82	8.637	8.636	0.000	64126	2.57	
$ 10 2-Fluorobiphenyl	172	10.425	10.429	-0.004	132981	2.50	
$ 11 2,4,6-Tribromophenol	330	11.935	11.939	-0.004	13982	2.35	
$ 12 Terphenyl-d14	244	14.200	14.200	0.000	108340	2.39	
14 1,4-Dioxane	88	3.962	3.952	0.010	22511	2.58	
16 Pyridine	79	4.756	4.750	0.006	52580	2.37	
15 N-Nitrosodimethylamine	74	4.799	4.794	0.005	30153	2.50	
17 Benzaldehyde	105	7.598	7.597	0.001	35306	2.53	
18 Phenol	94	7.694	7.698	-0.004	71310	2.48	
19 Aniline	93	7.742	7.741	0.001	83530	2.48	
20 Bis(2-chloroethyl)ether	93	7.785	7.789	-0.004	56856	2.43	
21 2-Chlorophenol	128	7.853	7.852	0.001	60033	2.57	
22 1,4-Dichlorobenzene	146	7.997	7.996	0.001	67789	2.49	
23 1,3-Dichlorobenzene	146	8.050	8.054	-0.004	68835	2.43	
24 Benzyl alcohol	79	8.184	8.189	-0.005	48426	2.49	
25 1,2-Dichlorobenzene	146	8.252	8.251	0.001	63810	2.46	
26 2-Methylphenol	108	8.305	8.304	0.001	53342	2.55	
27 2,2'-oxybis[1-chloropropane]	45	8.334	8.333	0.001	50599	2.41	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.444	8.443	0.001	54970	2.52	
30 Acetophenone	105	8.468	8.472	-0.004	78538	2.51	
29 N-Nitrosodi-n-propylamine	70	8.478	8.477	0.001	42096	2.53	
31 Hexachloroethane	117	8.560	8.564	-0.004	24782	2.54	
32 Nitrobenzene	77	8.656	8.655	0.001	64800	2.54	
33 Isophorone	82	8.872	8.871	0.001	112764	2.65	
35 2,4-Dimethylphenol	107	8.978	8.977	0.001	58311	2.61	
34 2-Nitrophenol	139	8.978	8.977	0.001	30118	2.58	
36 Benzoic acid	105	9.026	9.040	-0.014	9606	2.30	
37 Bis(2-chloroethoxy)methane	93	9.079	9.078	0.001	65111	2.54	
39 1,2,4-Trichlorobenzene	180	9.295	9.295	0.000	55593	2.57	
40 Alpha-Terpineol	59	9.324	9.323	0.001	39889	2.59	
41 Naphthalene	128	9.367	9.367	0.000	180724	2.54	
42 4-Chloroaniline	127	9.430	9.434	-0.004	65392	2.53	
38 2,4-Dichlorophenol	162	9.440	9.439	0.001	42387	2.69	
43 Hexachlorobutadiene	225	9.521	9.525	-0.004	30981	2.62	
44 Caprolactam	55	9.733	9.737	-0.004	15712	2.45	
45 4-Chloro-3-methylphenol	107	9.882	9.886	-0.004	50896	2.64	
46 2-Methylnaphthalene	142	10.055	10.054	0.001	119050	2.55	
47 1-Methylnaphthalene	142	10.171	10.170	0.000	118622	2.61	
49 1,2,4,5-Tetrachlorobenzene	216	10.262	10.266	-0.004	47089	2.55	
48 Hexachlorocyclopentadiene	237	10.272	10.271	0.001	16782	2.48	
50 2,4,6-Trichlorophenol	196	10.353	10.357	-0.004	31598	2.66	
51 2,4,5-Trichlorophenol	196	10.397	10.396	0.001	32021	2.65	
52 1,1'-Biphenyl	154	10.522	10.521	0.001	140551	2.51	
53 2-Chloronaphthalene	162	10.589	10.593	-0.004	100947	2.48	
54 Phenyl ether	170	10.627	10.627	0.000	75419	2.55	
55 2-Nitroaniline	65	10.680	10.684	-0.004	30584	2.38	
56 Dimethyl phthalate	163	10.853	10.857	-0.004	128627	2.53	
57 2,6-Dinitrotoluene	165	10.950	10.949	0.001	28897	2.75	
58 Acenaphthylene	152	10.983	10.987	-0.004	177176	2.62	
59 3-Nitroaniline	138	11.094	11.098	-0.004	27854	2.55	
61 Acenaphthene	153	11.166	11.170	-0.004	112738	2.52	
60 2,4-Dinitrophenol	184	11.195	11.194	0.001	6244	2.60	
62 4-Nitrophenol	109	11.219	11.223	-0.004	14061	2.34	
64 Dibenzofuran	168	11.320	11.324	-0.004	156655	2.53	
63 2,4-Dinitrotoluene	165	11.339	11.343	-0.004	34838	2.41	
65 2,3,4,6-Tetrachlorophenol	232	11.479	11.478	0.000	22095	2.30	
66 Diethyl phthalate	149	11.546	11.550	-0.004	130483	2.50	
67 4-Chlorophenyl phenyl ether	204	11.637	11.641	-0.004	60257	2.55	
69 Fluorene	166	11.671	11.670	0.001	126495	2.52	
68 4-Nitroaniline	138	11.719	11.718	0.001	23474	2.67	
70 4,6-Dinitro-2-methylphenol	198	11.748	11.747	0.001	10880	2.41	
71 Diphenylamine	169	11.767	11.766	0.001	109615	2.60	
72 N-Nitrosodiphenylamine	169	11.767	11.766	0.001	109615	2.60	
73 1,2-Diphenylhydrazine	77	11.796	11.800	-0.004	138926	2.61	
74 Azobenzene	77	11.796	11.800	-0.004	138926	2.61	
13 Benzophenone	105	11.830	11.834	-0.004	104246	2.58	
75 4-Bromophenyl phenyl ether	248	12.133	12.133	0.000	33038	2.75	M
77 Atrazine	200	12.296	12.295	0.001	32744	2.69	
76 Hexachlorobenzene	284	12.306	12.305	0.001	33672	2.46	
78 Pentachlorophenol	266	12.479	12.478	0.001	8044	2.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	12.551	12.555	-0.004	13455	2.48	
81 Anthracene	178	12.642	12.642	0.000	175984	2.46	
80 Phenanthrene	178	12.686	12.685	0.001	168349	2.61	
83 Carbazole	167	12.839	12.843	-0.004	149538	2.68	
84 Di-n-butyl phthalate	149	13.152	13.156	-0.004	204605	2.51	
87 Fluoranthene	202	13.849	13.849	0.001	168038	2.60	
86 Benzidine	184	13.960	13.959	0.001	28364	2.74	
85 Pyrene	202	14.090	14.094	-0.004	177245	2.39	
89 Butyl benzyl phthalate	149	14.700	14.700	0.000	84500	2.41	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.286	-0.004	103519	2.31	
91 3,3'-Dichlorobenzidine	252	15.316	15.315	0.001	34532	2.79	
93 Benzo[a]anthracene	228	15.354	15.358	-0.004	124801	2.45	
94 Chrysene	228	15.407	15.407	0.000	120830	2.38	
95 Di-n-octyl phthalate	149	15.927	15.926	0.001	113758	2.15	
97 Benzo[b]fluoranthene	252	16.542	16.541	0.001	101677	2.33	
98 Benzo[k]fluoranthene	252	16.561	16.565	-0.004	99452	2.55	
99 Benzo[a]pyrene	252	16.946	16.945	0.001	71042	2.53	
101 Dibenz(a,h)anthracene	278	18.543	18.547	-0.004	39362	2.49	
100 Indeno[1,2,3-cd]pyrene	276	18.547	18.552	-0.005	52600	2.62	
102 Benzo[g,h,i]perylene	276	19.019	19.023	-0.004	47599	2.52	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:27:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03188.D

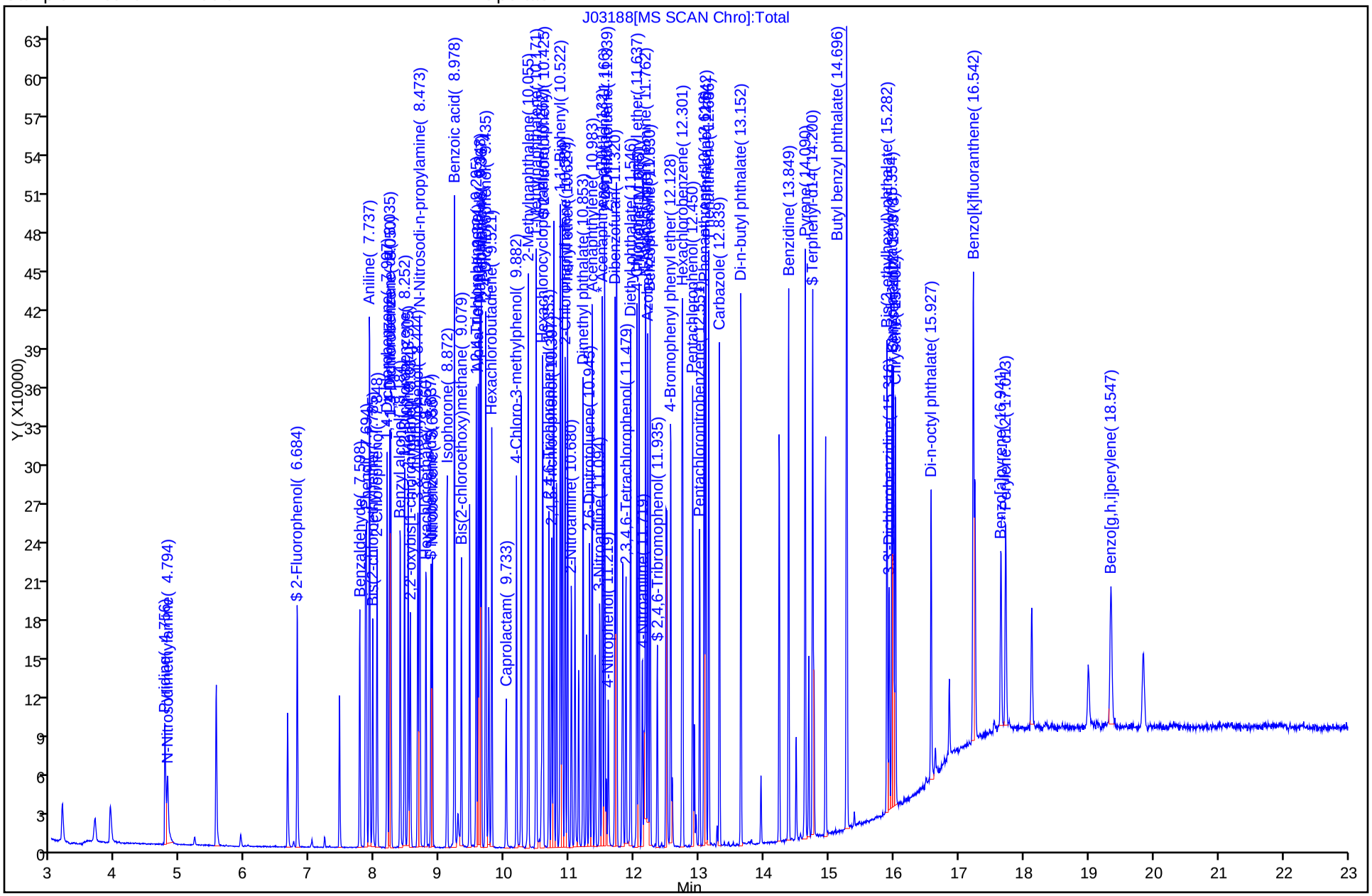
Inj Date: 28-Sep-2009 16:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: 2.5 UG/ML

Sample Amount: 1.00 ul Operator:



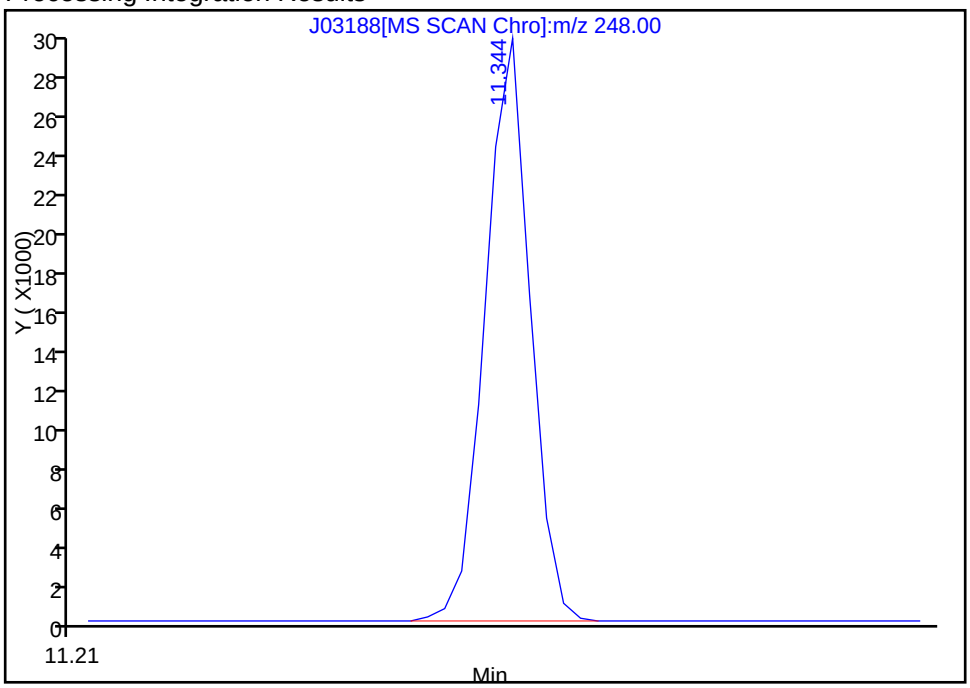
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03188.D		
Inj Date:	28-Sep-2009 16:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	2.5 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

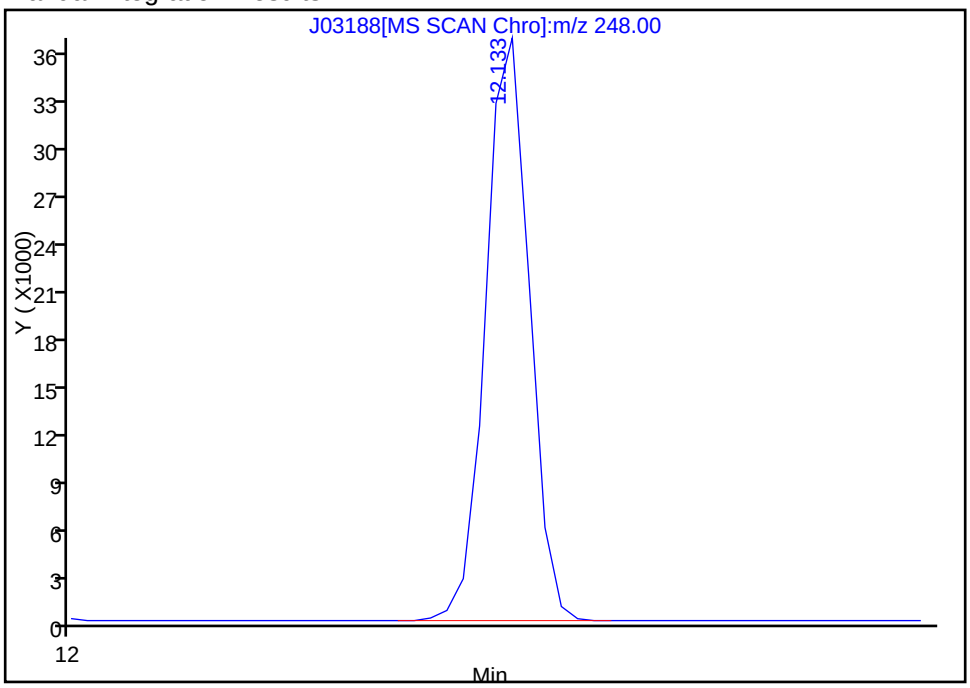
Processing Integration Results

RT: 11.34
Response: 26024
Amount: 2.224993



Manual Integration Results

RT: 12.13
Response: 33038
Amount: 2.751344



Reviewer: sullivanp, 30-Sep-2009 08:27:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03189.D		
Lims ID:	std8	Client ID:	
Inject. Date:	28-Sep-2009 17:20:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8.0 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49645	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:27:46	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:47:00
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:27:45

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.033	8.035	-0.002	77169	2.00	
* 2 Naphthalene-d8	136	9.346	9.347	-0.001	157370	2.00	
* 3 Acenaphthene-d10	164	11.135	11.136	-0.001	77020	2.00	
* 4 Phenanthrene-d10	188	12.621	12.617	0.004	129914	2.00	
* 5 Chrysene-d12	240	15.381	15.378	0.003	102097	2.00	
* 6 Perylene-d12	264	17.016	17.018	-0.002	57878	2.00	
$ 7 2-Fluorophenol	112	6.687	6.688	-0.001	150574	6.60	
$ 8 Phenol-d5	99	7.682	7.684	-0.002	182170	6.75	
$ 9 Nitrobenzene-d5	82	8.639	8.636	0.003	177711	8.04	
$ 10 2-Fluorobiphenyl	172	10.428	10.429	-0.001	349004	7.83	
$ 11 2,4,6-Tribromophenol	330	11.938	11.939	-0.001	40675	8.01	
$ 12 Terphenyl-d14	244	14.203	14.200	0.003	286797	7.81	
14 1,4-Dioxane	88	3.941	3.952	-0.011	57628	6.36	
16 Pyridine	79	4.739	4.750	-0.011	146437	6.53	
15 N-Nitrosodimethylamine	74	4.787	4.794	-0.007	80711	6.61	
17 Benzaldehyde	105	7.596	7.597	-0.001	94809	6.72	
18 Phenol	94	7.697	7.698	-0.001	190294	6.56	
19 Aniline	93	7.740	7.741	-0.001	227456	6.69	
20 Bis(2-chloroethyl)ether	93	7.788	7.789	-0.001	151926	6.42	
21 2-Chlorophenol	128	7.851	7.852	-0.001	158561	6.70	
22 1,4-Dichlorobenzene	146	8.000	7.996	0.004	179135	6.50	
23 1,3-Dichlorobenzene	146	8.052	8.054	-0.002	184057	6.42	
24 Benzyl alcohol	79	8.187	8.189	-0.002	137152	6.97	
25 1,2-Dichlorobenzene	146	8.250	8.251	-0.001	168218	6.43	
26 2-Methylphenol	108	8.303	8.304	-0.001	142190	6.72	
27 2,2'-oxybis[1-chloropropane]	45	8.331	8.333	-0.002	136271	6.43	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.447	8.443	0.004	148990	6.75	
30 Acetophenone	105	8.471	8.472	-0.001	213639	6.75	
29 N-Nitrosodi-n-propylamine	70	8.476	8.477	-0.001	115652	6.87	
31 Hexachloroethane	117	8.562	8.564	-0.002	67338	6.82	
32 Nitrobenzene	77	8.658	8.655	0.003	177558	7.87	
33 Isophorone	82	8.870	8.871	-0.001	310858	8.25	
35 2,4-Dimethylphenol	107	8.981	8.977	0.004	157350	7.96	
34 2-Nitrophenol	139	8.981	8.977	0.004	84302	8.02	
36 Benzoic acid	105	9.048	9.040	0.008	53539	7.73	
37 Bis(2-chloroethoxy)methane	93	9.082	9.078	0.004	178493	7.87	
39 1,2,4-Trichlorobenzene	180	9.298	9.295	0.003	146543	7.64	
40 Alpha-Terpineol	59	9.327	9.323	0.004	109552	8.04	
41 Naphthalene	128	9.370	9.367	0.003	478424	7.58	
42 4-Chloroaniline	127	9.433	9.434	-0.001	186029	8.12	
38 2,4-Dichlorophenol	162	9.437	9.439	-0.002	113358	8.11	
43 Hexachlorobutadiene	225	9.524	9.525	-0.001	80806	7.73	
44 Caprolactam	55	9.740	9.737	0.003	44284	7.84	
45 4-Chloro-3-methylphenol	107	9.885	9.886	-0.001	140534	8.24	
46 2-Methylnaphthalene	142	10.053	10.054	-0.001	317843	7.68	
47 1-Methylnaphthalene	142	10.168	10.170	-0.002	309273	7.68	
49 1,2,4,5-Tetrachlorobenzene	216	10.265	10.266	-0.001	123232	7.52	
48 Hexachlorocyclopentadiene	237	10.269	10.271	-0.002	45404	7.80	
50 2,4,6-Trichlorophenol	196	10.356	10.357	-0.001	88209	8.84	
51 2,4,5-Trichlorophenol	196	10.399	10.396	0.003	90897	8.97	
52 1,1'-Biphenyl	154	10.524	10.521	0.003	366579	7.82	
53 2-Chloronaphthalene	162	10.592	10.593	-0.001	265034	7.76	
54 Phenyl ether	170	10.625	10.627	-0.002	198641	7.59	
55 2-Nitroaniline	65	10.683	10.684	-0.001	86178	7.85	
56 Dimethyl phthalate	163	10.856	10.857	-0.001	348322	8.16	
57 2,6-Dinitrotoluene	165	10.947	10.949	-0.002	78760	8.94	
58 Acenaphthylene	152	10.986	10.987	-0.001	469959	8.28	
59 3-Nitroaniline	138	11.096	11.098	-0.002	77373	8.36	
61 Acenaphthene	153	11.169	11.170	-0.001	298383	7.96	
60 2,4-Dinitrophenol	184	11.193	11.194	-0.001	24542	8.05	
62 4-Nitrophenol	109	11.221	11.223	-0.002	41634	7.53	
64 Dibenzofuran	168	11.322	11.324	-0.002	407053	7.85	
63 2,4-Dinitrotoluene	165	11.342	11.343	-0.001	98964	7.96	
65 2,3,4,6-Tetrachlorophenol	232	11.476	11.478	-0.002	65055	7.83	
66 Diethyl phthalate	149	11.548	11.550	-0.002	355236	8.12	
67 4-Chlorophenyl phenyl ether	204	11.640	11.641	-0.001	158571	8.00	
69 Fluorene	166	11.669	11.670	-0.001	335364	7.97	
68 4-Nitroaniline	138	11.722	11.718	0.004	62994	8.44	
70 4,6-Dinitro-2-methylphenol	198	11.746	11.747	-0.001	38388	8.14	
71 Diphenylamine	169	11.765	11.766	-0.001	286535	8.16	
72 N-Nitrosodiphenylamine	169	11.765	11.766	-0.001	286535	8.16	
73 1,2-Diphenylhydrazine	77	11.799	11.800	-0.001	377721	8.51	
74 Azobenzene	77	11.799	11.800	-0.001	377721	8.51	
13 Benzophenone	105	11.832	11.834	-0.002	283584	8.44	
75 4-Bromophenyl phenyl ether	248	12.130	12.130	0.000	86922	8.47	M
77 Atrazine	200	12.299	12.295	0.004	87952	8.69	
76 Hexachlorobenzene	284	12.308	12.305	0.003	90047	7.89	
78 Pentachlorophenol	266	12.477	12.478	-0.001	33483	7.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	12.554	12.555	-0.001	39551	8.65	
81 Anthracene	178	12.645	12.642	0.003	462308	7.78	
80 Phenanthrene	178	12.688	12.685	0.003	454408	8.47	
83 Carbazole	167	12.842	12.843	-0.001	393912	8.47	
84 Di-n-butyl phthalate	149	13.155	13.156	-0.001	571805	8.43	
87 Fluoranthene	202	13.852	13.849	0.004	436293	8.12	
86 Benzidine	184	13.958	13.959	-0.001	77231	6.96	
85 Pyrene	202	14.092	14.094	-0.002	465416	7.74	
89 Butyl benzyl phthalate	149	14.703	14.700	0.003	236690	8.35	
92 Bis(2-ethylhexyl) phthalate	149	15.285	15.286	-0.001	296789	8.18	
91 3,3'-Dichlorobenzidine	252	15.319	15.315	0.004	87714	8.74	
93 Benzo[a]anthracene	228	15.357	15.358	-0.001	332921	8.07	
94 Chrysene	228	15.405	15.407	-0.002	306329	7.45	
95 Di-n-octyl phthalate	149	15.924	15.926	-0.002	340042	8.26	
97 Benzo[b]fluoranthene	252	16.540	16.541	-0.001	263501	7.99	
98 Benzo[k]fluoranthene	252	16.569	16.565	0.004	249097	8.52	
99 Benzo[a]pyrene	252	16.944	16.945	-0.001	182282	8.59	
101 Dibenz(a,h)anthracene	278	18.545	18.547	-0.002	98383	7.01	
100 Indeno[1,2,3-cd]pyrene	276	18.555	18.552	0.003	127270	8.41	
102 Benzo[g,h,i]perylene	276	19.021	19.023	-0.002	110812	7.77	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:27:46 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03189.D

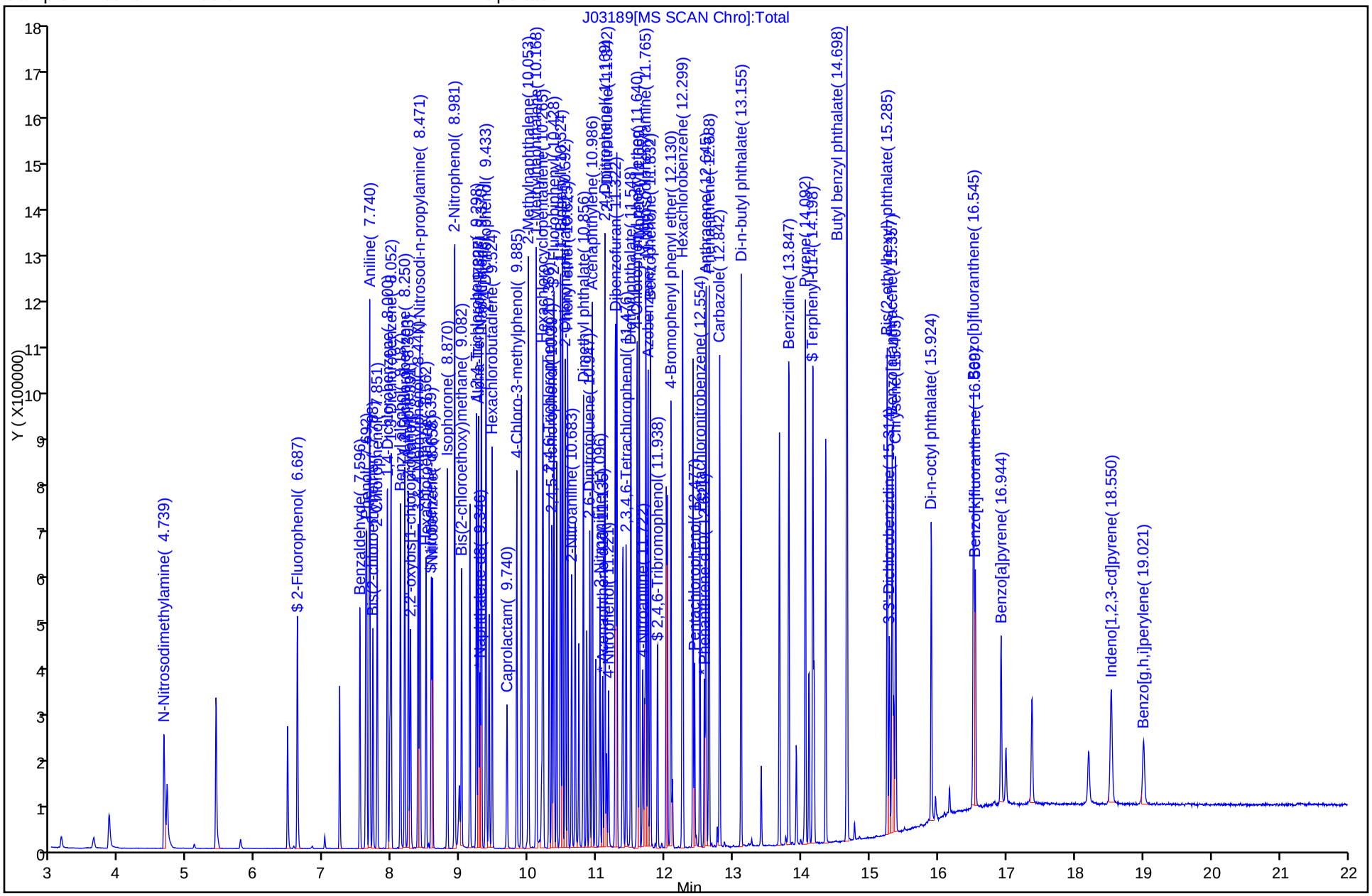
Inj Date: 28-Sep-2009 17:20:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: 8.0 UG/ML

Sample Amount: 1.00 ul Operator:



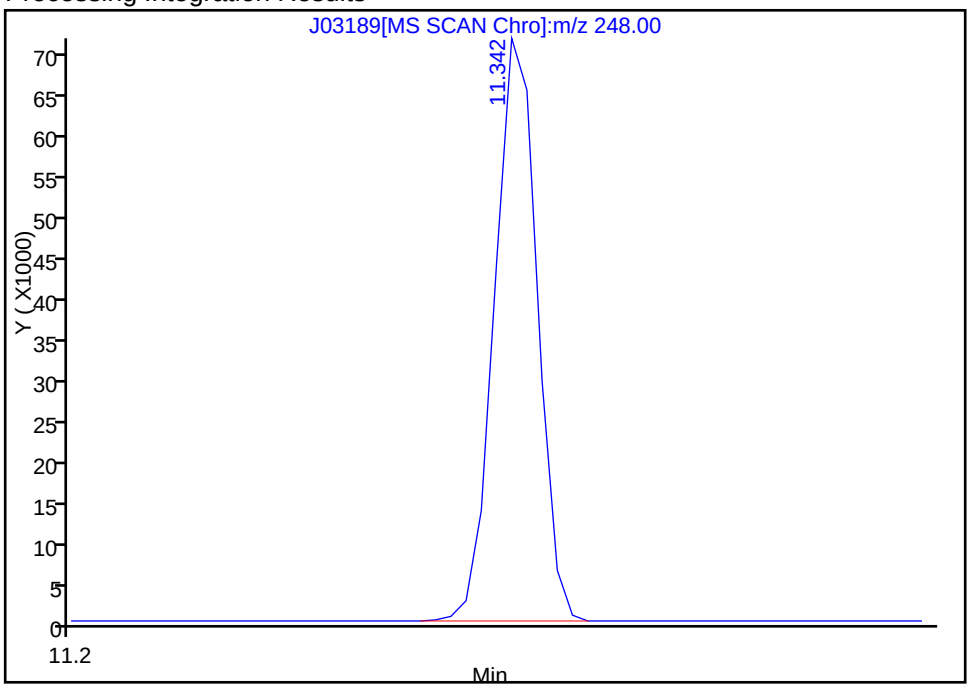
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03189.D		
Inj Date:	28-Sep-2009 17:20:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	8
Client ID:		Instrument:	Inst. J
Sample Info:	8.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

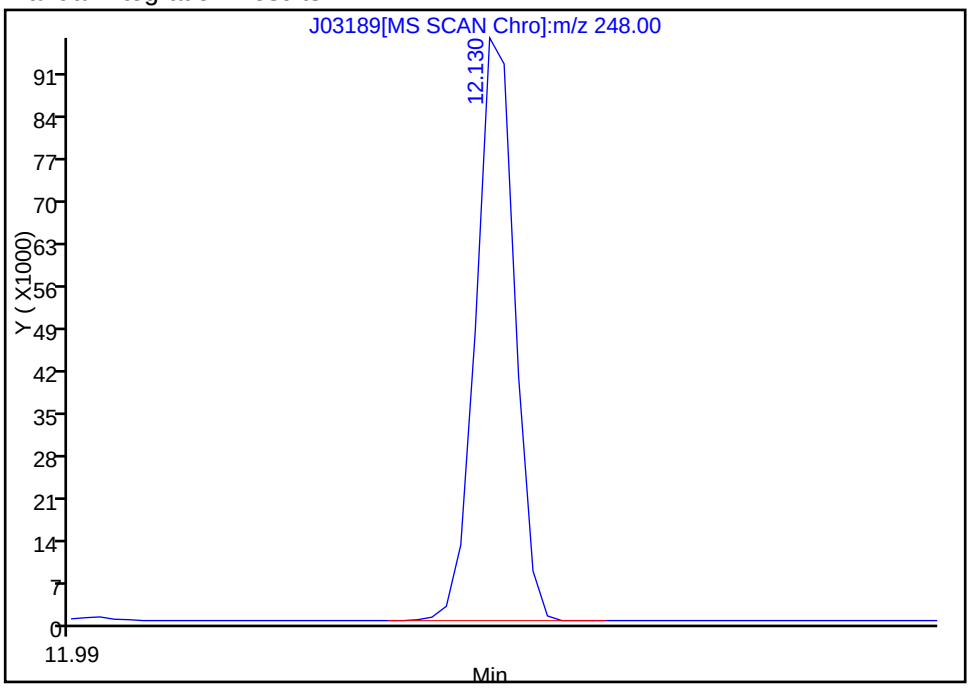
Processing Integration Results

RT: 11.34
Response: 67434
Amount: 6.745601



Manual Integration Results

RT: 12.13
Response: 86922
Amount: 8.465820



Reviewer: sullivanp, 30-Sep-2009 08:27:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03190.D		
Lims ID:	std10	Client ID:	
Inject. Date:	28-Sep-2009 17:53:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10.0 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49645	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:28:13	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:47:07
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:28:13

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.036	8.035	0.001	60447	2.00	
* 2 Naphthalene-d8	136	9.349	9.347	0.002	150643	2.00	
* 3 Acenaphthene-d10	164	11.138	11.136	0.002	77482	2.00	
* 4 Phenanthrene-d10	188	12.619	12.617	0.002	130219	2.00	
* 5 Chrysene-d12	240	15.379	15.378	0.001	103447	2.00	
* 6 Perylene-d12	264	17.014	17.018	-0.004	59049	2.00	
$ 7 2-Fluorophenol	112	6.685	6.688	-0.003	189657	10.6	
$ 8 Phenol-d5	99	7.685	7.684	0.001	231085	10.9	
$ 9 Nitrobenzene-d5	82	8.637	8.636	0.001	222453	10.5	
$ 10 2-Fluorobiphenyl	172	10.426	10.429	-0.003	432538	9.65	
$ 11 2,4,6-Tribromophenol	330	11.936	11.939	-0.003	51592	10.1	
$ 12 Terphenyl-d14	244	14.201	14.200	0.001	358356	9.63	
14 1,4-Dioxane	88	3.939	3.952	-0.013	75680	10.6	
16 Pyridine	79	4.737	4.750	-0.013	183651	10.5	
15 N-Nitrosodimethylamine	74	4.786	4.794	-0.008	102339	10.7	
17 Benzaldehyde	105	7.599	7.597	0.002	120725	10.9	
18 Phenol	94	7.695	7.698	-0.003	240270	10.6	
19 Aniline	93	7.743	7.741	0.002	291000	10.9	
20 Bis(2-chloroethyl)ether	93	7.786	7.789	-0.003	188708	10.2	
21 2-Chlorophenol	128	7.849	7.852	-0.003	199634	10.8	
22 1,4-Dichlorobenzene	146	7.998	7.996	0.002	222838	10.3	
23 1,3-Dichlorobenzene	146	8.051	8.054	-0.003	229801	10.2	
24 Benzyl alcohol	79	8.190	8.189	0.001	174573	11.3	
25 1,2-Dichlorobenzene	146	8.253	8.251	0.002	209142	10.2	
26 2-Methylphenol	108	8.306	8.304	0.002	177374	10.7	
27 2,2'-oxybis[1-chloropropane]	45	8.334	8.333	0.001	169871	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.445	8.443	0.002	186988	10.8	
30 Acetophenone	105	8.469	8.472	-0.003	267577	10.8	
29 N-Nitrosodi-n-propylamine	70	8.479	8.477	0.002	145756	11.1	
31 Hexachloroethane	117	8.560	8.564	-0.004	84926	11.0	
32 Nitrobenzene	77	8.657	8.655	0.002	222247	10.3	
33 Isophorone	82	8.873	8.871	0.002	398740	11.1	
35 2,4-Dimethylphenol	107	8.979	8.977	0.002	198066	10.5	
34 2-Nitrophenol	139	8.979	8.977	0.002	107415	10.7	
36 Benzoic acid	105	9.051	9.040	0.011	79285	10.3	
37 Bis(2-chloroethoxy)methane	93	9.080	9.078	0.002	225653	10.4	
39 1,2,4-Trichlorobenzene	180	9.296	9.295	0.001	181198	9.87	
40 Alpha-Terpineol	59	9.325	9.323	0.002	140505	10.8	
41 Naphthalene	128	9.368	9.367	0.001	593669	9.83	
42 4-Chloroaniline	127	9.431	9.434	-0.003	231904	10.6	
38 2,4-Dichlorophenol	162	9.440	9.439	0.001	140666	10.5	
43 Hexachlorobutadiene	225	9.522	9.525	-0.003	100053	10.0	
44 Caprolactam	55	9.748	9.737	0.011	57730	10.7	
45 4-Chloro-3-methylphenol	107	9.883	9.886	-0.003	176044	10.8	
46 2-Methylnaphthalene	142	10.056	10.054	0.002	392867	9.92	
47 1-Methylnaphthalene	142	10.171	10.170	0.001	386274	10.0	
49 1,2,4,5-Tetrachlorobenzene	216	10.263	10.266	-0.003	153387	9.78	
48 Hexachlorocyclopentadiene	237	10.272	10.271	0.001	57803	9.85	
50 2,4,6-Trichlorophenol	196	10.359	10.357	0.002	111273	11.1	
51 2,4,5-Trichlorophenol	196	10.397	10.396	0.001	113574	11.1	
52 1,1'-Biphenyl	154	10.522	10.521	0.001	455834	9.67	
53 2-Chloronaphthalene	162	10.595	10.593	0.002	334728	9.74	
54 Phenyl ether	170	10.628	10.627	0.001	252717	10.1	
55 2-Nitroaniline	65	10.686	10.684	0.002	110608	10.0	
56 Dimethyl phthalate	163	10.854	10.857	-0.003	429610	10.0	
57 2,6-Dinitrotoluene	165	10.950	10.949	0.001	99249	11.2	
58 Acenaphthylene	152	10.989	10.987	0.002	581983	10.2	
59 3-Nitroaniline	138	11.099	11.098	0.001	97480	10.5	
61 Acenaphthene	153	11.167	11.170	-0.003	377089	10.0	
60 2,4-Dinitrophenol	184	11.196	11.194	0.002	33605	10.1	
62 4-Nitrophenol	109	11.224	11.223	0.001	53519	9.55	
64 Dibenzofuran	168	11.321	11.324	-0.003	513258	9.84	
63 2,4-Dinitrotoluene	165	11.345	11.343	0.002	127254	10.2	
65 2,3,4,6-Tetrachlorophenol	232	11.479	11.478	0.001	82520	9.85	
66 Diethyl phthalate	149	11.547	11.550	-0.003	441145	10.0	
67 4-Chlorophenyl phenyl ether	204	11.638	11.641	-0.003	197425	9.90	
69 Fluorene	166	11.672	11.670	0.002	424219	10.0	
68 4-Nitroaniline	138	11.720	11.718	0.002	80660	10.7	
70 4,6-Dinitro-2-methylphenol	198	11.749	11.747	0.002	50273	10.2	
71 Diphenylamine	169	11.768	11.766	0.002	359522	10.2	
72 N-Nitrosodiphenylamine	169	11.768	11.766	0.002	359522	10.2	
73 1,2-Diphenylhydrazine	77	11.797	11.800	-0.003	483285	10.9	
74 Azobenzene	77	11.797	11.800	-0.003	483285	10.9	
13 Benzophenone	105	11.835	11.834	0.001	360368	10.7	
75 4-Bromophenyl phenyl ether	248	12.133	12.133	0.000	107085	10.1	M
77 Atrazine	200	12.297	12.295	0.002	110823	10.9	
76 Hexachlorobenzene	284	12.306	12.305	0.001	110195	9.63	
78 Pentachlorophenol	266	12.480	12.478	0.002	44028	9.29	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	12.557	12.555	0.002	48584	10.6	
81 Anthracene	178	12.643	12.642	0.001	575686	9.66	
80 Phenanthrene	178	12.686	12.685	0.001	562309	10.5	
83 Carbazole	167	12.845	12.843	0.002	495886	10.6	
84 Di-n-butyl phthalate	149	13.158	13.156	0.002	714557	10.5	
87 Fluoranthene	202	13.850	13.849	0.002	548065	10.2	
86 Benzidine	184	13.961	13.959	0.002	108035	9.36	
85 Pyrene	202	14.091	14.094	-0.003	587617	9.65	
89 Butyl benzyl phthalate	149	14.701	14.700	0.001	289223	10.1	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.286	-0.003	383568	10.4	
91 3,3'-Dichlorobenzidine	252	15.317	15.315	0.002	113699	11.2	
93 Benzo[a]anthracene	228	15.355	15.358	-0.003	414097	9.91	
94 Chrysene	228	15.408	15.407	0.001	377849	9.07	
95 Di-n-octyl phthalate	149	15.928	15.926	0.002	431685	10.3	
97 Benzo[b]fluoranthene	252	16.543	16.541	0.002	349858	10.4	
98 Benzo[k]fluoranthene	252	16.567	16.565	0.002	289312	9.70	
99 Benzo[a]pyrene	252	16.947	16.945	0.002	236671	10.9	
101 Dibenz(a,h)anthracene	278	18.543	18.547	-0.004	133620	9.15	
100 Indeno[1,2,3-cd]pyrene	276	18.553	18.552	0.001	171441	11.1	
102 Benzo[g,h,i]perylene	276	19.020	19.023	-0.003	143621	9.87	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:28:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03190.D

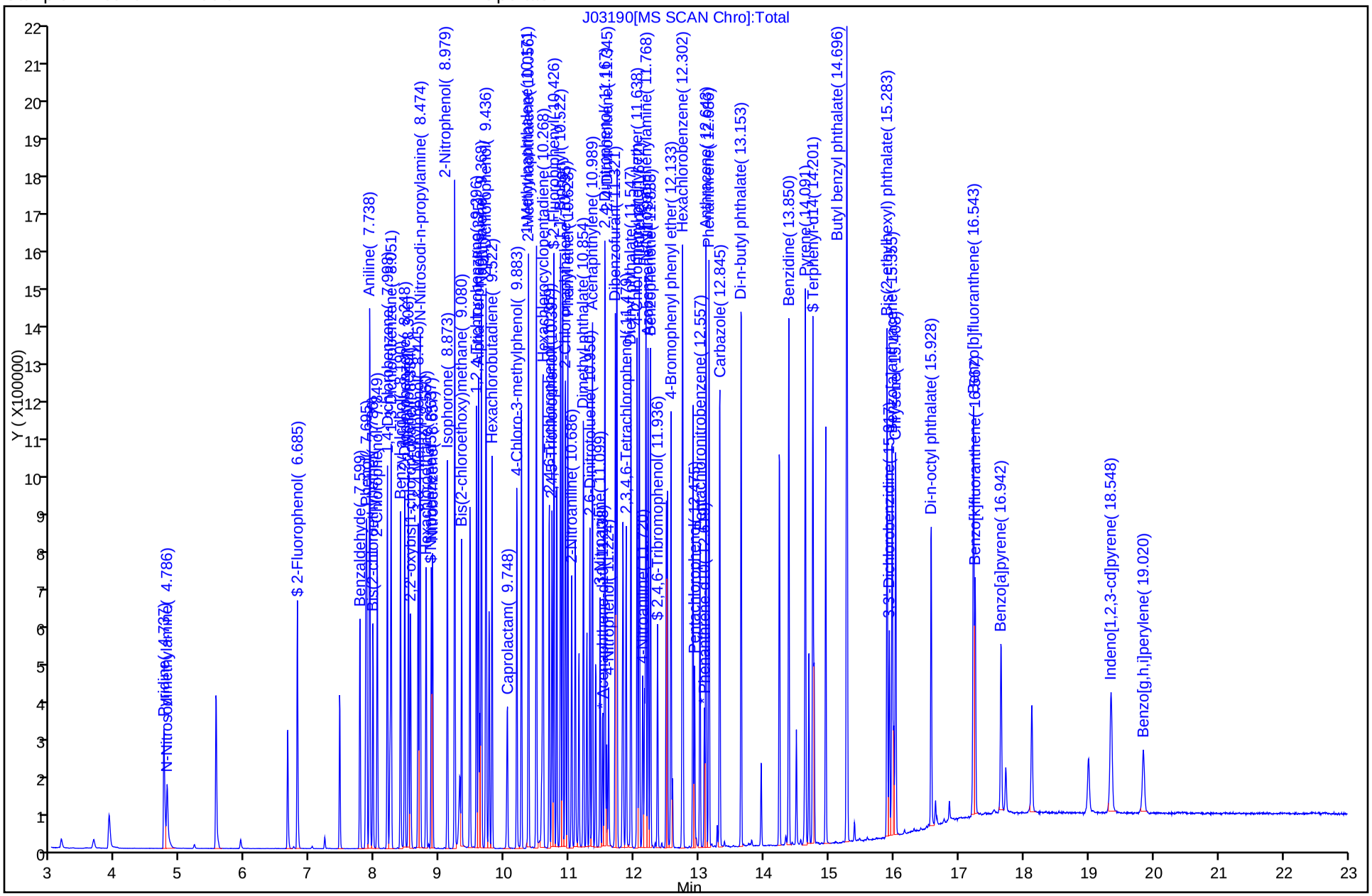
Inj Date: 28-Sep-2009 17:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: 10.0 UG/ML

Sample Amount: 1.00 ul Operator:



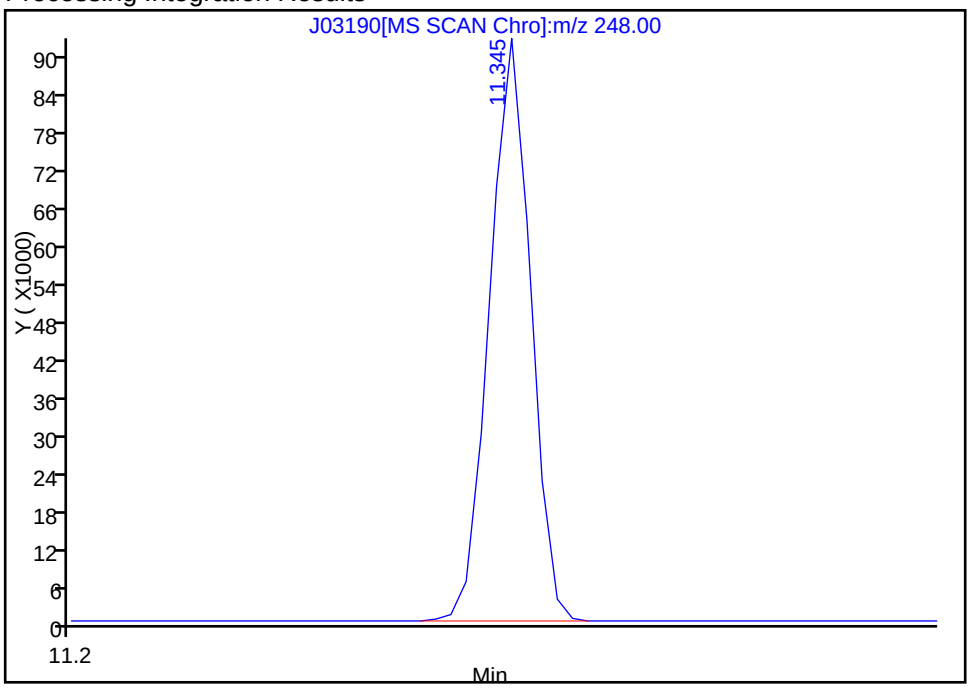
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03190.D		
Inj Date:	28-Sep-2009 17:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	9
Client ID:		Instrument:	Inst. J
Sample Info:	10.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.13

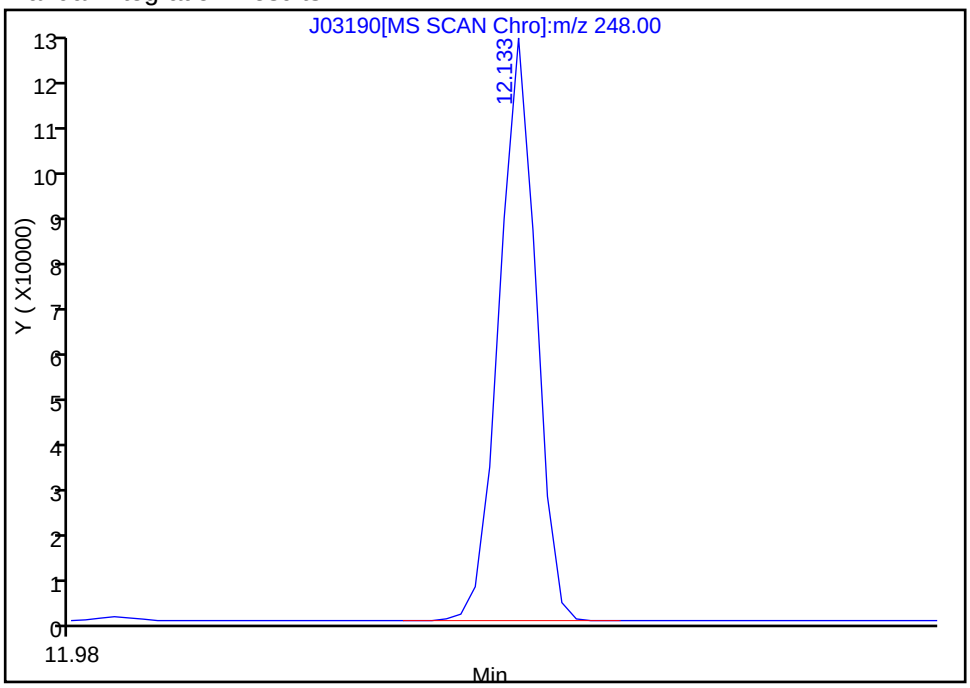
Processing Integration Results

RT: 11.34
Response: 83283
Amount: 8.092399



Manual Integration Results

RT: 12.13
Response: 107085
Amount: 10.144491



Reviewer: sullivanp, 30-Sep-2009 08:28:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Lims ID:	std20	Client ID:	
Inject. Date:	28-Sep-2009 18:26:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20.0 UG/ML		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49645	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:28:41	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	waltersg	Date:	29-Sep-2009 14:20:51
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:48:33
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:28:41

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.035	-0.001	68155	2.00	
* 2 Naphthalene-d8	136	9.347	9.347	0.000	181036	2.00	
* 3 Acenaphthene-d10	164	11.136	11.136	0.000	85909	2.00	
* 4 Phenanthrene-d10	188	12.622	12.617	0.005	151001	2.00	
* 5 Chrysene-d12	240	15.382	15.378	0.004	127109	2.00	
* 6 Perylene-d12	264	17.017	17.018	-0.001	82374	2.00	
$ 7 2-Fluorophenol	112	6.688	6.688	0.000	422221	20.9	5
$ 8 Phenol-d5	99	7.688	7.684	0.004	505338	21.2	5
$ 9 Nitrobenzene-d5	82	8.640	8.636	0.004	497788	19.6	
$ 10 2-Fluorobiphenyl	172	10.429	10.429	0.000	913755	18.4	
$ 11 2,4,6-Tribromophenol	330	11.939	11.939	0.000	120401	20.3	5
$ 12 Terphenyl-d14	244	14.204	14.200	0.004	764729	16.7	
14 1,4-Dioxane	88	3.952	3.952	0.000	165800	20.4	5
16 Pyridine	79	4.745	4.750	-0.005	433463	21.9	5
15 N-Nitrosodimethylamine	74	4.798	4.794	0.004	226522	21.0	5
17 Benzaldehyde	105	7.601	7.597	0.004	259433	20.8	5
18 Phenol	94	7.702	7.698	0.004	527133	20.6	5
19 Aniline	93	7.746	7.741	0.005	638603	21.3	5
20 Bis(2-chloroethyl)ether	93	7.794	7.789	0.005	413556	19.8	5
21 2-Chlorophenol	128	7.851	7.852	-0.001	435288	20.8	5
22 1,4-Dichlorobenzene	146	8.001	7.996	0.005	477390	19.6	5
23 1,3-Dichlorobenzene	146	8.053	8.054	-0.001	492559	19.4	
24 Benzyl alcohol	79	8.193	8.189	0.004	391918	22.5	5
25 1,2-Dichlorobenzene	146	8.251	8.251	0.000	450851	19.5	5
26 2-Methylphenol	108	8.308	8.304	0.004	391339	21.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.337	8.333	0.004	377653	20.2	5
28 3 & 4 Methylphenol	108	8.453	8.443	0.010	412417	21.2	5
30 Acetophenone	105	8.477	8.472	0.005	588399	21.1	5
29 N-Nitrosodi-n-propylamine	70	8.481	8.477	0.004	325100	21.9	5
31 Hexachloroethane	117	8.563	8.564	-0.001	188309	21.6	5
32 Nitrobenzene	77	8.659	8.655	0.004	490140	18.9	
33 Isophorone	82	8.876	8.871	0.005	857589	19.8	
35 2,4-Dimethylphenol	107	8.982	8.977	0.005	440354	19.4	
34 2-Nitrophenol	139	8.982	8.977	0.005	233783	19.3	
36 Benzoic acid	105	9.078	9.040	0.038	268735	20.0	
37 Bis(2-chloroethoxy)methane	93	9.083	9.078	0.005	491985	18.8	
39 1,2,4-Trichlorobenzene	180	9.299	9.295	0.004	394135	17.9	
40 Alpha-Terpineol	59	9.328	9.323	0.005	316965	20.2	5
41 Naphthalene	128	9.371	9.367	0.004	1295466	17.8	
42 4-Chloroaniline	127	9.434	9.434	0.000	518229	19.7	
38 2,4-Dichlorophenol	162	9.443	9.439	0.004	305896	19.0	
43 Hexachlorobutadiene	225	9.525	9.525	0.000	214922	17.9	
44 Caprolactam	55	9.770	9.737	0.033	127740	19.7	
45 4-Chloro-3-methylphenol	107	9.890	9.886	0.004	397608	20.3	5
46 2-Methylnaphthalene	142	10.059	10.054	0.005	850260	17.9	
47 1-Methylnaphthalene	142	10.174	10.170	0.004	822027	17.7	
49 1,2,4,5-Tetrachlorobenzene	216	10.265	10.266	-0.001	324112	17.2	
48 Hexachlorocyclopentadiene	237	10.275	10.271	0.004	136692	20.9	5
50 2,4,6-Trichlorophenol	196	10.362	10.357	0.005	246416	22.1	5
51 2,4,5-Trichlorophenol	196	10.400	10.396	0.004	254073	22.5	5
52 1,1'-Biphenyl	154	10.525	10.521	0.004	970263	18.6	
53 2-Chloronaphthalene	162	10.597	10.593	0.004	710497	18.6	5
54 Phenyl ether	170	10.631	10.627	0.004	529499	17.6	
55 2-Nitroaniline	65	10.689	10.684	0.005	251254	20.4	5
56 Dimethyl phthalate	163	10.862	10.857	0.005	916472	19.2	
57 2,6-Dinitrotoluene	165	10.953	10.949	0.004	219145	22.3	5
58 Acenaphthylene	152	10.992	10.987	0.005	1256690	19.9	
59 3-Nitroaniline	138	11.102	11.098	0.004	210005	20.3	5
61 Acenaphthene	153	11.174	11.170	0.004	792146	18.9	
60 2,4-Dinitrophenol	184	11.198	11.194	0.004	97666	20.0	
62 4-Nitrophenol	109	11.227	11.223	0.004	136400	21.6	5
64 Dibenzofuran	168	11.323	11.324	-0.001	1098208	19.0	
63 2,4-Dinitrotoluene	165	11.347	11.343	0.004	281843	20.2	5
65 2,3,4,6-Tetrachlorophenol	232	11.482	11.478	0.004	195648	20.9	5
66 Diethyl phthalate	149	11.554	11.550	0.004	971326	19.9	
67 4-Chlorophenyl phenyl ether	204	11.641	11.641	0.000	420118	19.0	
69 Fluorene	166	11.674	11.670	0.004	896750	19.1	
68 4-Nitroaniline	138	11.727	11.718	0.009	177279	21.2	5
70 4,6-Dinitro-2-methylphenol	198	11.756	11.747	0.009	132909	20.0	
71 Diphenylamine	169	11.771	11.766	0.005	764551	18.7	
72 N-Nitrosodiphenylamine	169	11.771	11.766	0.005	764551	18.7	
73 1,2-Diphenylhydrazine	77	11.800	11.800	0.000	1010430	19.6	
74 Azobenzene	77	11.800	11.800	0.000	1010430	19.6	
13 Benzophenone	105	11.838	11.834	0.004	794432	20.3	5
75 4-Bromophenyl phenyl ether	248	12.136	12.136	0.000	236961	18.8	M
77 Atrazine	200	12.304	12.295	0.009	233137	19.8	
76 Hexachlorobenzene	284	12.309	12.305	0.004	228754	17.2	

Report Date: 30-Sep-2009 08:28:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.478	12.478	0.000	123363	20.7	5
79 Pentachloronitrobenzene	237	12.559	12.555	0.004	110803	20.8	5
81 Anthracene	178	12.646	12.642	0.004	1237979	17.9	
80 Phenanthrene	178	12.689	12.685	0.004	1210076	19.4	
83 Carbazole	167	12.848	12.843	0.005	1018380	18.8	
84 Di-n-butyl phthalate	149	13.156	13.156	0.000	1571625	19.9	
87 Fluoranthene	202	13.853	13.849	0.005	1186029	19.0	
86 Benzidine	184	13.963	13.959	0.004	292889	20.7	5
85 Pyrene	202	14.093	14.094	-0.001	1240007	16.6	
89 Butyl benzyl phthalate	149	14.704	14.700	0.004	664917	18.8	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.286	0.000	925722	20.5	5
91 3,3'-Dichlorobenzidine	252	15.320	15.315	0.005	241803	19.4	
93 Benzo[a]anthracene	228	15.363	15.358	0.005	963611	18.8	
94 Chrysene	228	15.411	15.407	0.004	900164	17.6	
95 Di-n-octyl phthalate	149	15.930	15.926	0.004	1168735	19.8	
97 Benzo[b]fluoranthene	252	16.546	16.541	0.005	796218	17.0	
98 Benzo[k]fluoranthene	252	16.575	16.565	0.010	822131	19.8	
99 Benzo[a]pyrene	252	16.950	16.945	0.005	648528	21.5	5
101 Dibenz(a,h)anthracene	278	18.551	18.547	0.004	441141	20.9	5
100 Indeno[1,2,3-cd]pyrene	276	18.561	18.552	0.009	546468	25.4	5
102 Benzo[g,h,i]perylene	276	19.032	19.023	0.009	453034	22.3	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:28:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D

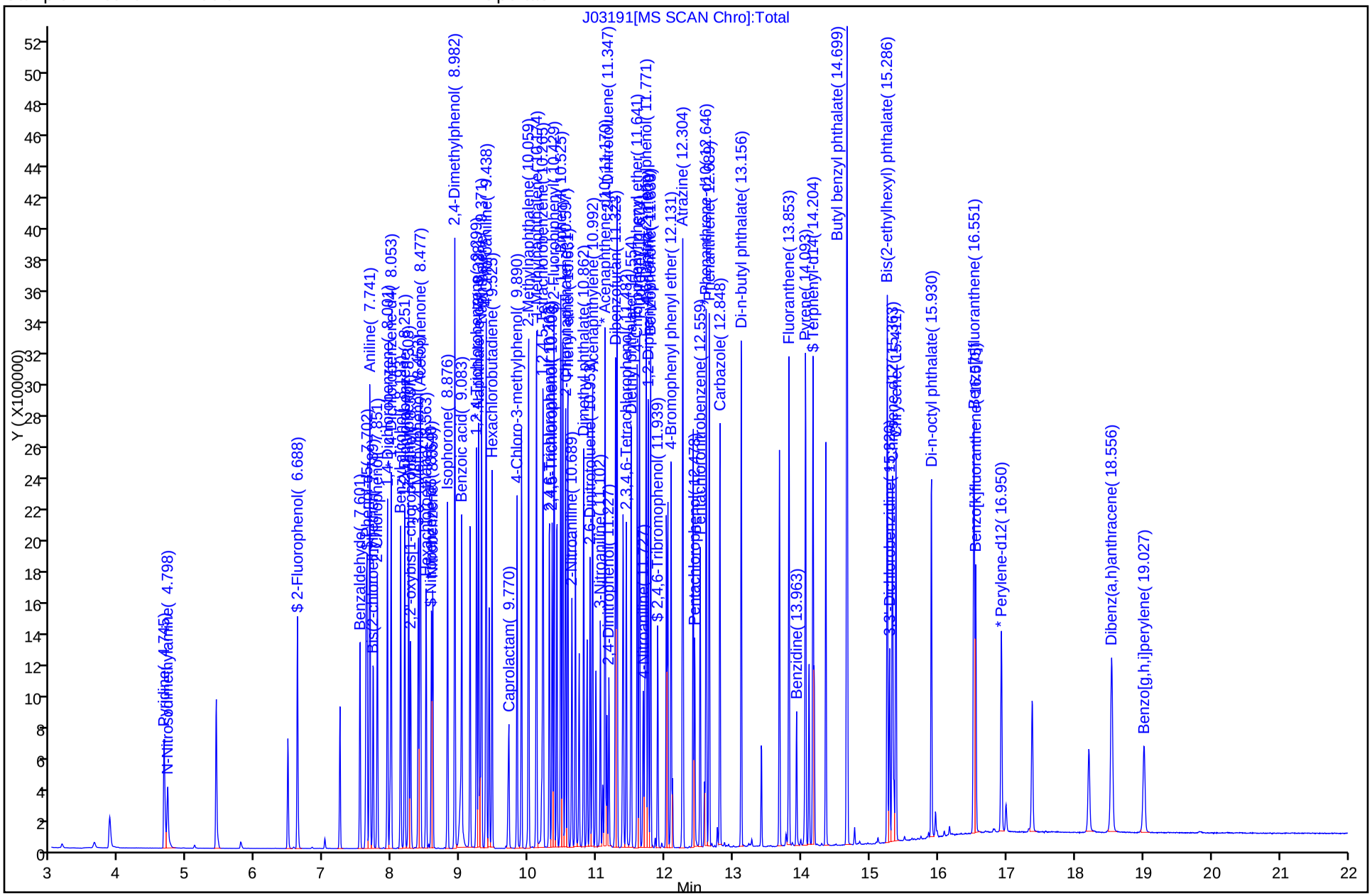
Inj Date: 28-Sep-2009 18:26:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: 20.0 UG/ML

Sample Amount: 1.00 ul Operator:

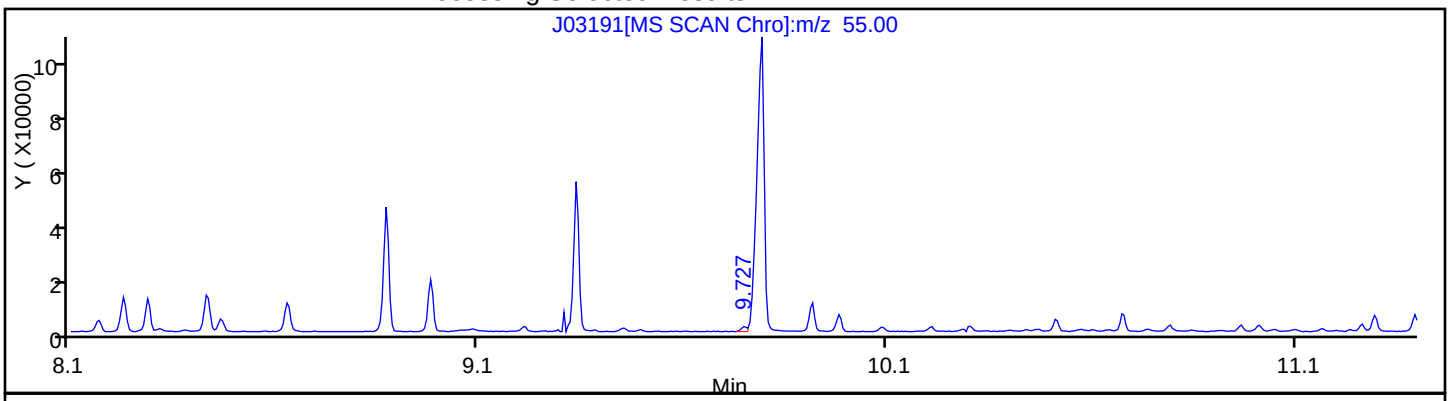


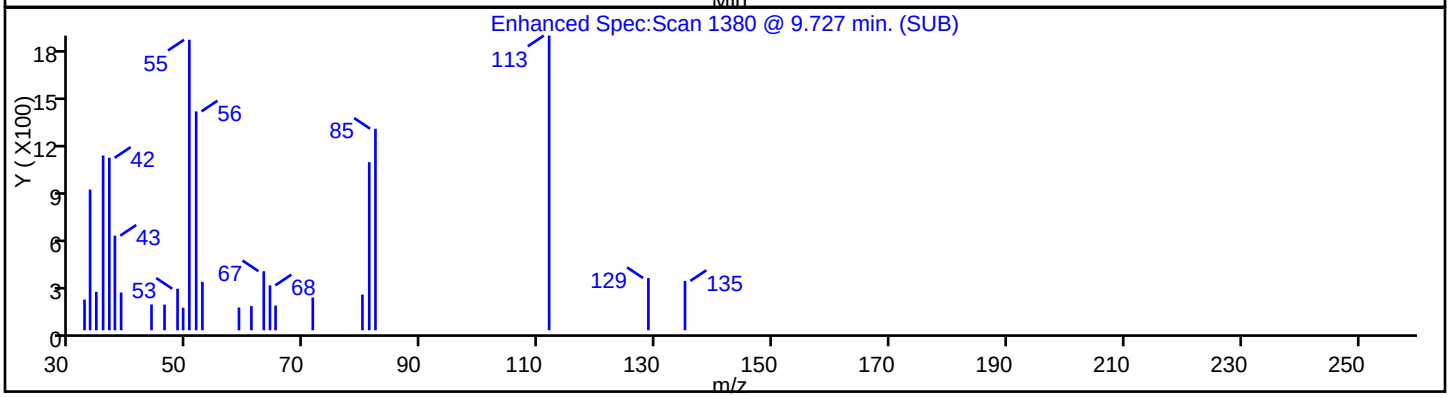
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Inj Date:	28-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

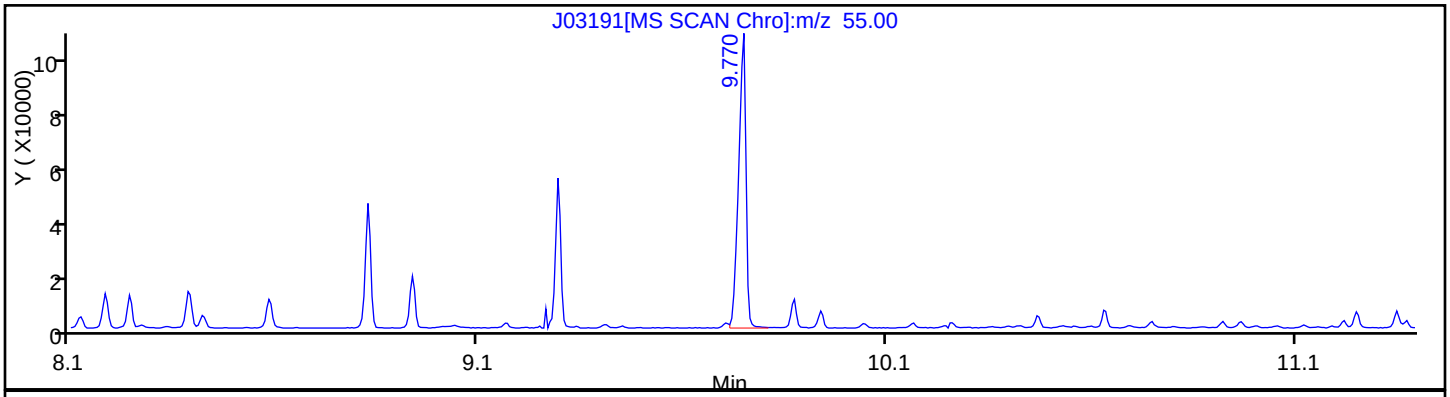
44 Caprolactam

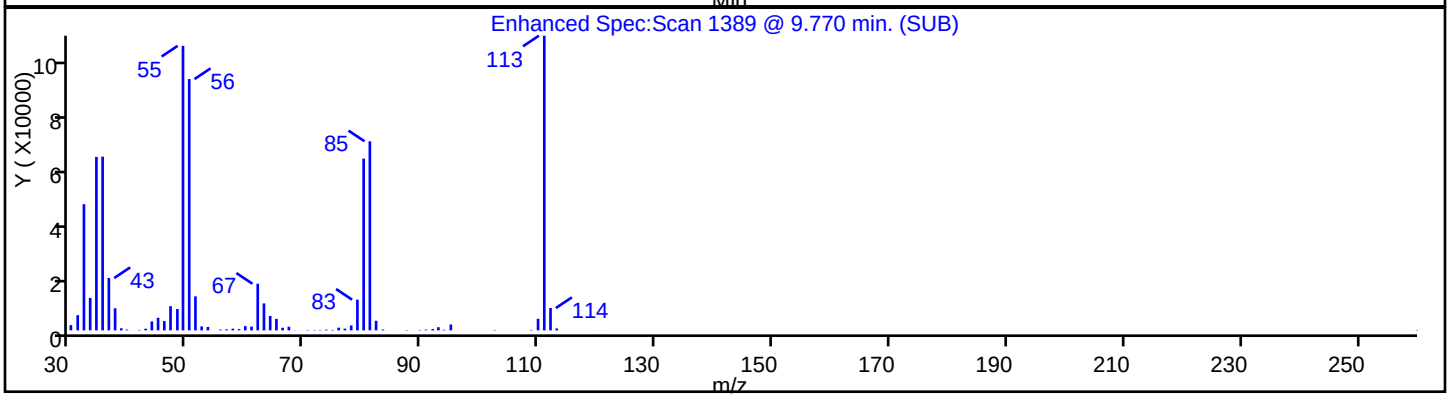
Processing Selected Results





Manual Selected Results





Reviewer: waltersg, 29-Sep-2009 14:20:51
Audit Action: Selected Alternate Hit
Audit Reason:

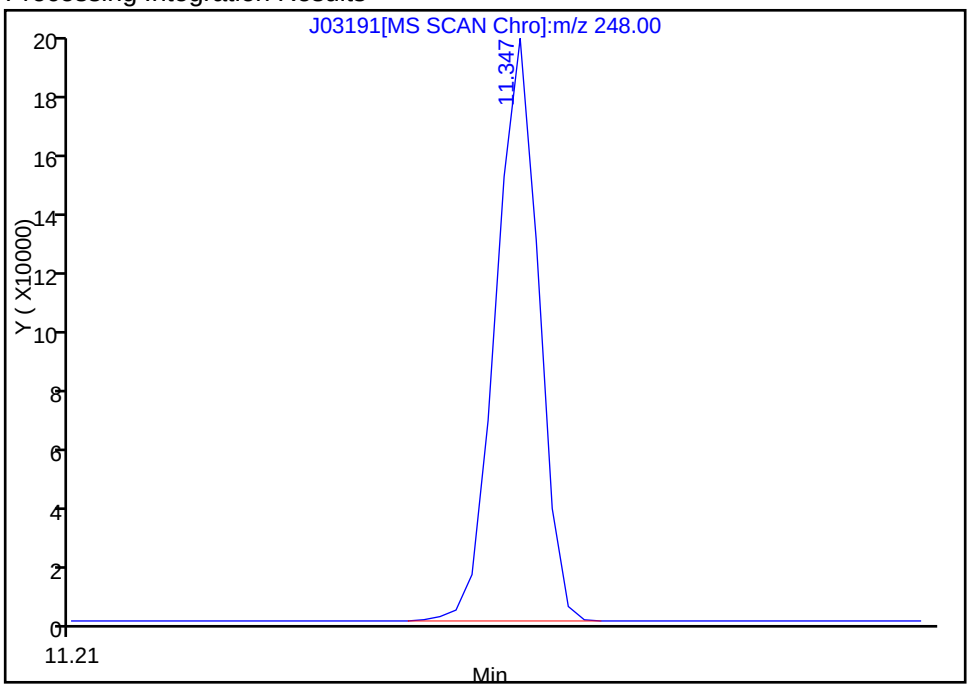
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Inj Date:	28-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20.0 UG/ML		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 12.14

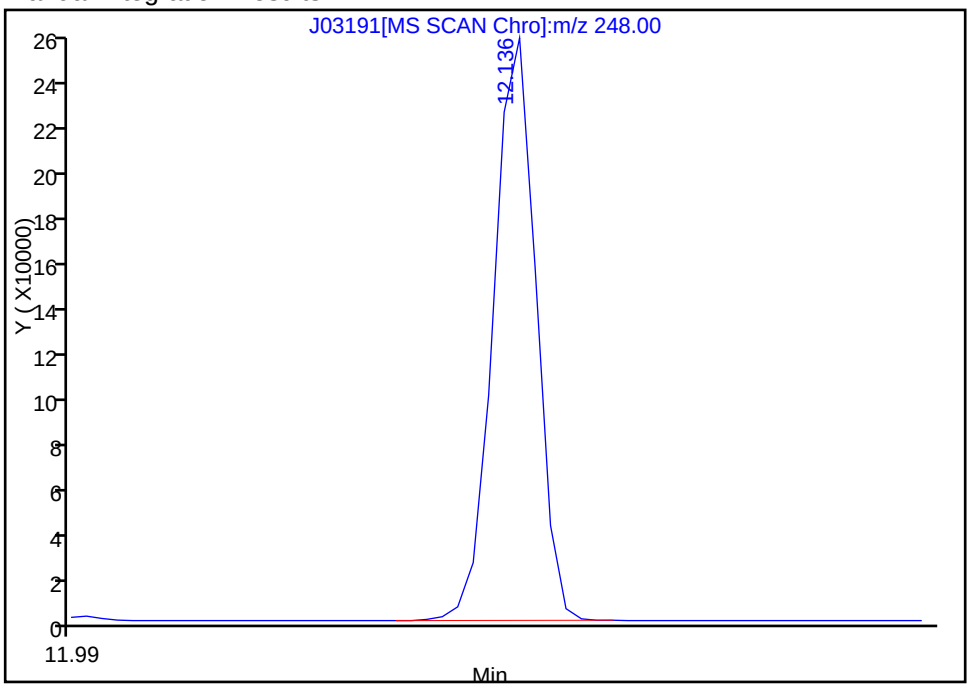
Processing Integration Results

RT: 11.35
Response: 174074
Amount: 14.220997



Manual Integration Results

RT: 12.14
Response: 236961
Amount: 18.821359



Reviewer: sullivanp, 30-Sep-2009 08:28:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.1692		5350	5000	6.9	30.0
N-Nitrosodimethylamine	Ave	0.3845	0.3639		4730	5000	-5.4	30.0
Pyridine	Ave	0.4428	0.4461		5040	5000	0.7	30.0
Benzaldehyde	Ave	0.3629	0.3594		4950	5000	-1.0	30.0
Phenol	Ave	0.6926	0.6582		4750	5000	-5.0	20.0
Aniline	Ave	0.8070	0.7949		4930	5000	-1.5	30.0
Bis(2-chloroethyl)ether	Ave	0.5429	0.5116		4710	5000	-5.8	30.0
2-Chlorophenol	Ave	0.6014	0.5695		4730	5000	-5.3	30.0
1,4-Dichlorobenzene	Ave	0.7299	0.6859		4700	5000	-6.0	20.0
1,3-Dichlorobenzene	Ave	0.7624	0.7190		4710	5000	-5.7	30.0
Benzyl alcohol	Ave	0.4798	0.4709		4910	5000	-1.8	30.0
1,2-Dichlorobenzene	Ave	0.7144	0.6555		4590	5000	-8.2	30.0
2-Methylphenol	Ave	0.5218	0.4998		4790	5000	-4.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.011	0.9465		4680	5000	-6.4	30.0
3 & 4 Methylphenol	Ave	0.5493	0.5329		4850	5000	-3.0	30.0
N-Nitrosodi-n-propylamine	Ave	0.4112	0.4063	0.0500	4940	5000	-1.2	30.0
Acetophenone	Ave	0.8037	0.7876		4900	5000	-2.0	30.0
Hexachloroethane	Ave	0.2684	0.2612		4870	5000	-2.7	30.0
Nitrobenzene	Ave	0.2653	0.2563		4830	5000	-3.4	30.0
Isophorone	Ave	0.4146	0.4325		5220	5000	4.3	30.0
2-Nitrophenol	Ave	0.1129	0.1296		5740	5000	14.9	20.0
2,4-Dimethylphenol	Ave	0.2342	0.2217		4730	5000	-5.4	30.0
Benzoic acid	Qua		0.0602		4550	5000	-9.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.2587	0.2433		4700	5000	-5.9	30.0
2,4-Dichlorophenol	Ave	0.1772	0.1819		5130	5000	2.6	20.0
1,2,4-Trichlorobenzene	Qua		0.2174		5250	5000	5.1	30.0
Alpha-Terpineol	Ave	0.2058	0.2181		5300	5000	6.0	30.0
Naphthalene	Ave	0.7406	0.6973		4710	5000	-5.8	30.0
4-Chloroaniline	Ave	0.2846	0.2813		4940	5000	-1.2	30.0
Hexachlorobutadiene	Ave	0.1199	0.1161		4840	5000	-3.2	20.0
Caprolactam	Ave	0.0873	0.0998		5720	5000	14.4	30.0
4-Chloro-3-methylphenol	Ave	0.1792	0.1889		5270	5000	5.4	20.0
2-Methylnaphthalene	Ave	0.4893	0.4556		4660	5000	-6.9	30.0
1-Methylnaphthalene	Ave	0.4747	0.4406		4640	5000	-7.2	30.0
Hexachlorocyclopentadiene	Lin1		0.2253	0.0500	4770	5000	-4.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.1938	0.1809		4670	5000	-6.7	30.0
2,4,6-Trichlorophenol	Lin2		0.3340		5170	5000	3.5	20.0
2,4,5-Trichlorophenol	Lin1		0.3416		4720	5000	-5.6	30.0
1,1'-Biphenyl	Ave	1.396	1.453		5200	5000	4.1	30.0
2-Chloronaphthalene	Ave	1.326	1.358		5120	5000	2.4	30.0
Phenyl ether	Ave	0.3085	0.2869		4650	5000	-7.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3933		4870	5000	-2.6	30.0
Dimethyl phthalate	Ave	1.209	1.271		5260	5000	5.2	30.0
2,6-Dinitrotoluene	Lin2		0.2977		5120	5000	2.4	30.0
Acenaphthylene	Ave	1.677	1.795		5350	5000	7.0	30.0
3-Nitroaniline	Lin1		0.3003		5110	5000	2.1	30.0
Acenaphthene	Ave	1.162	1.210		5200	5000	4.1	20.0
2,4-Dinitrophenol	Qua		0.0988	0.0500	4670	5000	-6.5	30.0
4-Nitrophenol	Lin1		0.1607	0.0500	4450	5000	-11.0	30.0
2,4-Dinitrotoluene	Lin1		0.3965		4890	5000	-2.2	30.0
Dibenzofuran	Ave	1.513	1.559		5150	5000	3.0	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2441		4730	5000	-5.4	30.0
Diethyl phthalate	Ave	1.268	1.339		5280	5000	5.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.5755	0.5947		5170	5000	3.3	30.0
2-Nitroaniline	Qua		0.2904		5040	5000	0.7	30.0
Fluorene	Ave	1.248	1.338		5360	5000	7.3	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0954		4700	5000	-6.0	30.0
Diphenylamine	Ave	0.6431	0.6885		5350	5000	7.1	30.0
N-Nitrosodiphenylamine	Ave	0.6431	0.6885		5350	5000	7.1	20.0
1,2-Diphenylhydrazine	Ave	1.210	1.310		5410	5000	8.2	30.0
Azobenzene	Ave	1.210	1.310		5410	5000	8.2	30.0
Benzophenone	Ave	0.7086	0.7678		5420	5000	8.4	30.0
4-Bromophenyl phenyl ether	Ave	0.1790	0.1900		5310	5000	6.1	30.0
Hexachlorobenzene	Ave	0.1708	0.1791		5240	5000	4.9	30.0
Atrazine	Ave	0.1772	0.1960		5530	5000	10.6	30.0
Pentachlorophenol	Qua		0.0816		4820	5000	-3.5	20.0
Pentachloronitrobenzene	Lin1		0.0889		4710	5000	-5.8	30.0
Phenanthrene	Ave	1.008	1.039		5150	5000	3.1	30.0
Anthracene	Ave	0.9476	1.024		5410	5000	8.1	30.0
Carbazole	Ave	0.7933	0.8063		5080	5000	1.6	30.0
Di-n-butyl phthalate	Ave	1.236	1.295		5240	5000	4.7	30.0
Fluoranthene	Ave	0.9021	0.9457		5240	5000	4.8	20.0
Benzidine	Qua		0.1521		5360	5000	7.2	30.0
Pyrene	Ave	1.309	1.342		5130	5000	2.5	30.0
Butyl benzyl phthalate	Ave	0.5910	0.6746		5710	5000	14.1	30.0
3,3'-Dichlorobenzidine	Lin1		0.2651		4990	5000	-0.3	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9487		5110	5000	2.2	30.0
Benzo[a]anthracene	Ave	0.8872	0.9235		5200	5000	4.1	30.0
Chrysene	Ave	0.8423	0.8630		5120	5000	2.5	30.0
Di-n-octyl phthalate	Lin		1.960		4740	5000	-5.3	20.0
Benzo[b]fluoranthene	Ave	1.146	1.166		5090	5000	1.8	30.0
Benzo[k]fluoranthene	Ave	1.049	1.077		5130	5000	2.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8769		4740	5000	-5.2	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.6293		4800	5000	-4.0	30.0
Dibenz(a,h)anthracene	Lin1		0.4901		4670	5000	-6.6	30.0
Benzo[g,h,i]perylene	Ave	0.5431	0.5377		4950	5000	-1.0	30.0
2-Fluorophenol	Ave	0.5204	0.5298		5090	5000	1.8	30.0
Phenol-d5	Ave	0.6612	0.6425		4860	5000	-2.8	30.0
Nitrobenzene-d5	Ave	0.2707	0.2590		4780	5000	-4.3	30.0
2-Fluorobiphenyl	Ave	1.322	1.375		5200	5000	4.0	30.0
2,4,6-Tribromophenol	Lin1		0.0699		4610	5000	-7.8	30.0
Terphenyl-d14	Ave	0.7740	0.7900		5100	5000	2.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	25-Sep-2009 22:28:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001300-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49511	Lims Sample ID:	13
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:25:58
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:37

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.254	7.254	0.000	417506	2.00	
* 2 Naphthalene-d8	136	8.389	8.389	0.000	1006123	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	366361	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	599081	2.00	
* 5 Chrysene-d12	240	14.044	14.044	0.000	445700	2.00	
* 6 Perylene-d12	264	16.530	16.530	0.000	321419	2.00	
$ 7 2-Fluorophenol	112	5.941	5.941	0.000	553009	5.09	
$ 8 Phenol-d5	99	6.898	6.898	0.000	670573	4.86	
$ 9 Nitrobenzene-d5	82	7.754	7.754	0.000	651440	4.78	
$ 10 2-Fluorobiphenyl	172	9.293	9.293	0.000	1259682	5.20	
$ 11 2,4,6-Tribromophenol	330	10.543	10.543	0.000	104698	4.61	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	880269	5.10	
14 1,4-Dioxane	88	3.137	3.137	0.000	176568	5.35	
15 N-Nitrosodimethylamine	42	3.806	3.806	0.000	379831	4.73	
16 Pyridine	79	3.820	3.820	0.000	465618	5.04	
17 Benzaldehyde	105	6.850	6.850	0.000	375105	4.95	
18 Phenol	94	6.908	6.908	0.000	687030	4.75	
19 Aniline	93	6.946	6.946	0.000	829706	4.93	
20 Bis(2-chloroethyl)ether	93	7.004	7.004	0.000	534010	4.71	
21 2-Chlorophenol	128	7.057	7.057	0.000	594377	4.73	
22 1,4-Dichlorobenzene	146	7.201	7.201	0.000	715880	4.70	
23 1,3-Dichlorobenzene	146	7.268	7.268	0.000	750425	4.71	
24 Benzyl alcohol	79	7.374	7.374	0.000	491535	4.91	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	684148	4.59	
26 2-Methylphenol	108	7.465	7.465	0.000	521634	4.79	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	987903	4.68	
28 3 & 4 Methylphenol	108	7.600	7.600	0.000	556242	4.85	
29 N-Nitrosodi-n-propylamine	70	7.610	7.610	0.000	424085	4.94	
30 Acetophenone	105	7.614	7.614	0.000	822013	4.90	
31 Hexachloroethane	117	7.715	7.715	0.000	272603	4.87	
32 Nitrobenzene	77	7.773	7.773	0.000	644755	4.83	
33 Isophorone	82	7.975	7.975	0.000	1087885	5.22	
34 2-Nitrophenol	139	8.052	8.052	0.000	326043	5.74	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	557576	4.73	
36 Benzoic acid	105	8.119	8.119	0.000	151388	4.55	
37 Bis(2-chloroethoxy)methane	93	8.148	8.148	0.000	612066	4.70	
38 2,4-Dichlorophenol	162	8.254	8.254	0.000	457512	5.13	
39 1,2,4-Trichlorobenzene	180	8.331	8.331	0.000	546729	5.25	
40 Alpha-Terpineol	59	8.393	8.393	0.000	548590	5.30	
41 Naphthalene	128	8.408	8.408	0.000	1753969	4.71	
42 4-Chloroaniline	127	8.442	8.442	0.000	707465	4.94	
43 Hexachlorobutadiene	225	8.504	8.504	0.000	291900	4.84	
44 Caprolactam	55	8.725	8.725	0.000	251085	5.72	
45 4-Chloro-3-methylphenol	107	8.831	8.831	0.000	475016	5.27	
46 2-Methylnaphthalene	142	8.995	8.995	0.000	1145986	4.66	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	1108151	4.64	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	206325	4.77	
49 1,2,4,5-Tetrachlorobenzene	216	9.134	9.134	0.000	455106	4.67	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	305926	5.17	
51 2,4,5-Trichlorophenol	196	9.254	9.254	0.000	312849	4.72	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	1331190	5.20	
53 2-Chloronaphthalene	162	9.413	9.413	0.000	1244018	5.12	
54 Phenyl ether	170	9.466	9.466	0.000	721581	4.65	
68 4-Nitroaniline	138	9.485	9.485	0.000	360202	4.87	
56 Dimethyl phthalate	163	9.615	9.615	0.000	1164281	5.26	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	272655	5.12	
58 Acenaphthylene	152	9.764	9.764	0.000	1644145	5.35	
59 3-Nitroaniline	138	9.826	9.826	0.000	275009	5.11	
61 Acenaphthene	153	9.908	9.908	0.000	1108107	5.20	
60 2,4-Dinitrophenol	184	9.913	9.913	0.000	90444	4.67	
62 4-Nitrophenol	109	9.937	9.937	0.000	147194	4.45	
63 2,4-Dinitrotoluene	165	10.019	10.019	0.000	363129	4.89	
64 Dibenzofuran	168	10.052	10.052	0.000	1427445	5.15	
65 2,3,4,6-Tetrachlorophenol	232	10.144	10.144	0.000	223563	4.73	
66 Diethyl phthalate	149	10.202	10.202	0.000	1226552	5.28	
67 4-Chlorophenyl phenyl ether	204	10.322	10.322	0.000	544680	5.17	
69 Fluorene	166	10.341	10.341	0.000	1225582	5.36	
55 2-Nitroaniline	65	10.341	10.341	0.000	265980	5.04	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	142871	4.70	
71 Diphenylamine	169	10.418	10.418	0.000	1031173	5.35	
72 N-Nitrosodiphenylamine	169	10.418	10.418	0.000	1031173	5.35	
74 Azobenzene	77	10.456	10.456	0.000	1962397	5.41	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	1962397	5.41	
13 Benzophenone	105	10.466	10.466	0.000	1149977	5.42	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	284542	5.31	
76 Hexachlorobenzene	284	10.807	10.807	0.000	268229	5.24	
77 Atrazine	200	10.841	10.841	0.000	293557	5.53	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.966	10.966	0.000	122173	4.82	
79 Pentachloronitrobenzene	237	10.976	10.976	0.000	133086	4.71	
80 Phenanthrene	178	11.154	11.154	0.000	1555515	5.15	
81 Anthracene	178	11.197	11.197	0.000	1534220	5.41	
83 Carbazole	167	11.317	11.317	0.000	1207592	5.08	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	1938929	5.24	
87 Fluoranthene	202	12.173	12.173	0.000	1416417	5.24	
86 Benzidine	184	12.269	12.269	0.000	227805	5.36	
85 Pyrene	202	12.399	12.399	0.000	1494936	5.13	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	751693	5.71	
91 3,3'-Dichlorobenzidine	252	13.948	13.948	0.000	295387	4.99	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	1057139	5.11	
93 Benzo[a]anthracene	228	14.025	14.025	0.000	1028982	5.20	
94 Chrysene	228	14.092	14.092	0.000	961594	5.12	
95 Di-n-octyl phthalate	149	15.376	15.376	0.000	1574590	4.74	
97 Benzo[b]fluoranthene	252	15.982	15.982	0.000	936934	5.09	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.000	865505	5.13	
99 Benzo[a]pyrene	252	16.448	16.448	0.000	704634	4.74	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	505667	4.80	
101 Dibenz(a,h)anthracene	278	18.367	18.367	0.000	393815	4.67	
102 Benzo[g,h,i]perylene	276	18.867	18.867	0.000	432030	4.95	

Report Date: 28-Sep-2009 07:17:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D

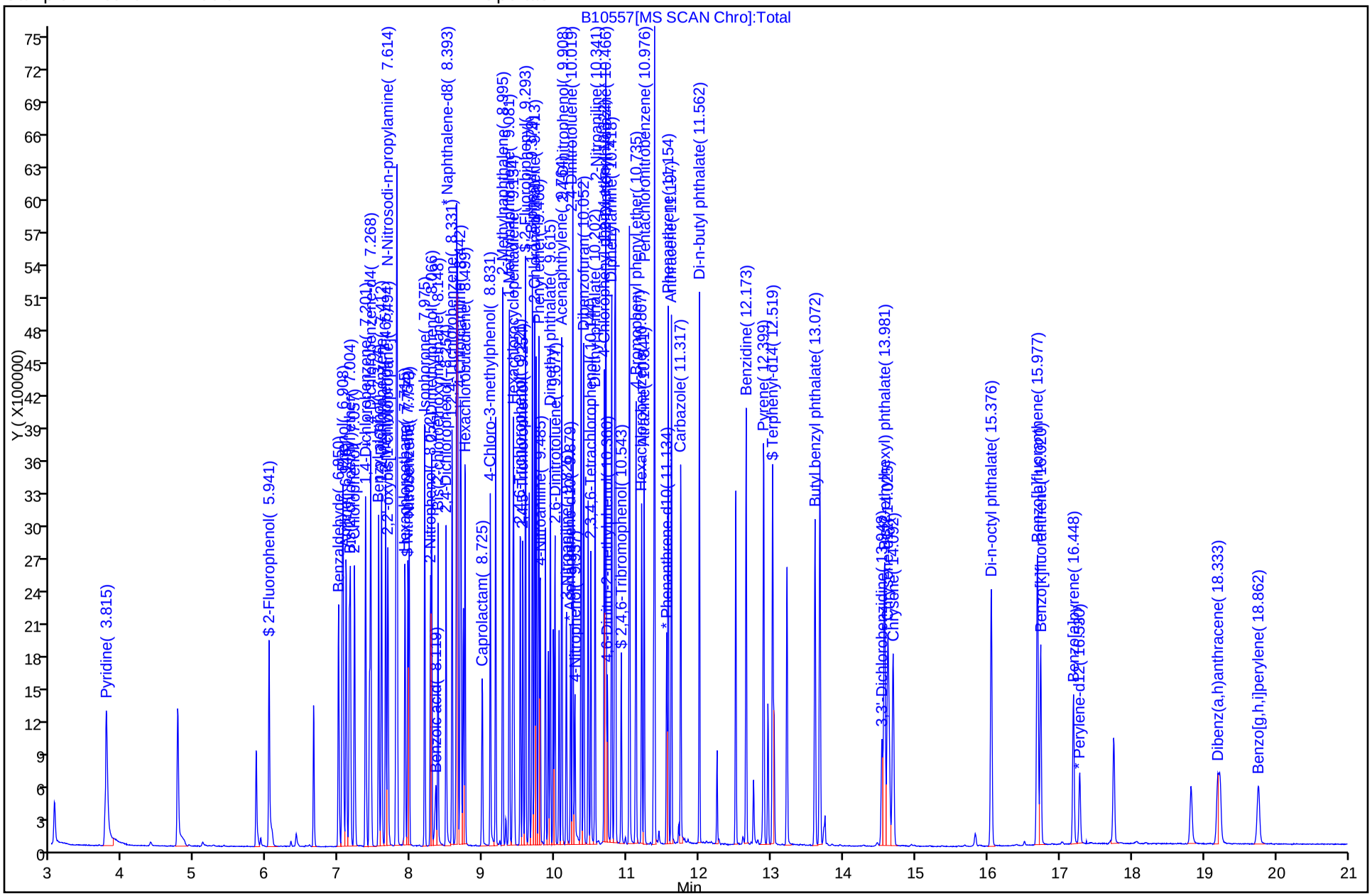
Inj Date: 25-Sep-2009 22:28:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ

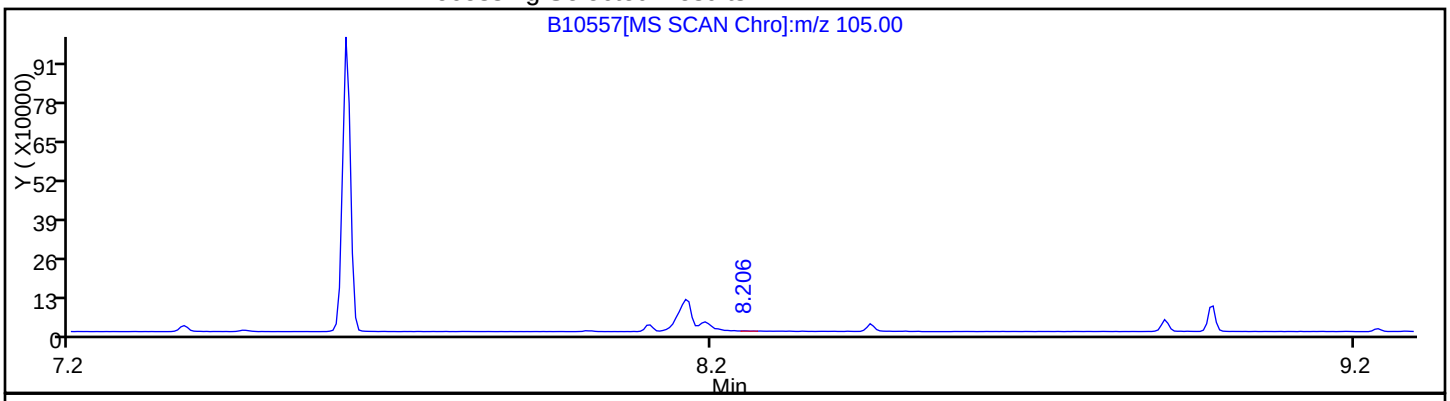


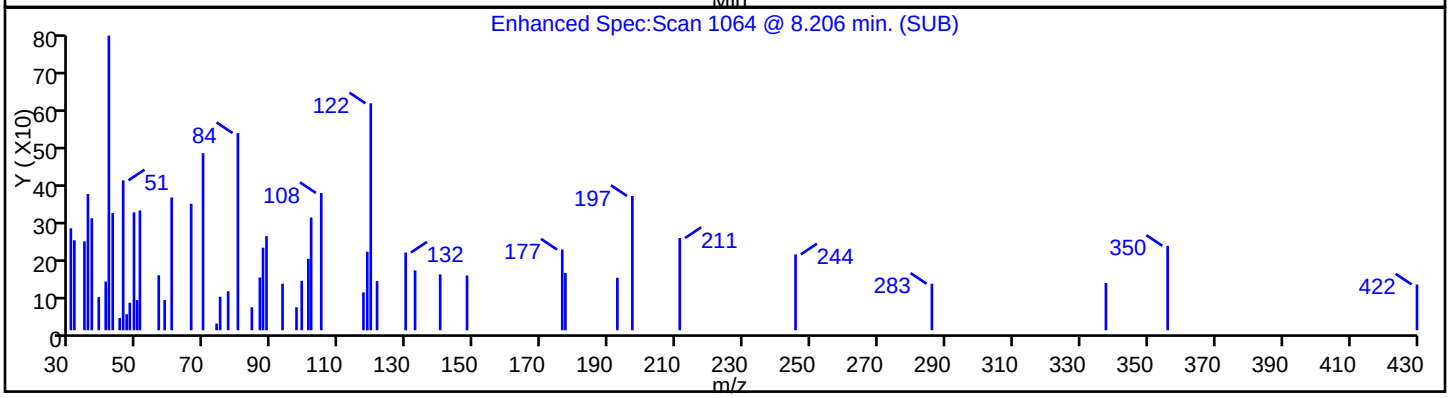
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D		
Inj Date:	25-Sep-2009 22:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	ccv		
Sample Amount:	1.00 ul	Operator:	MZ

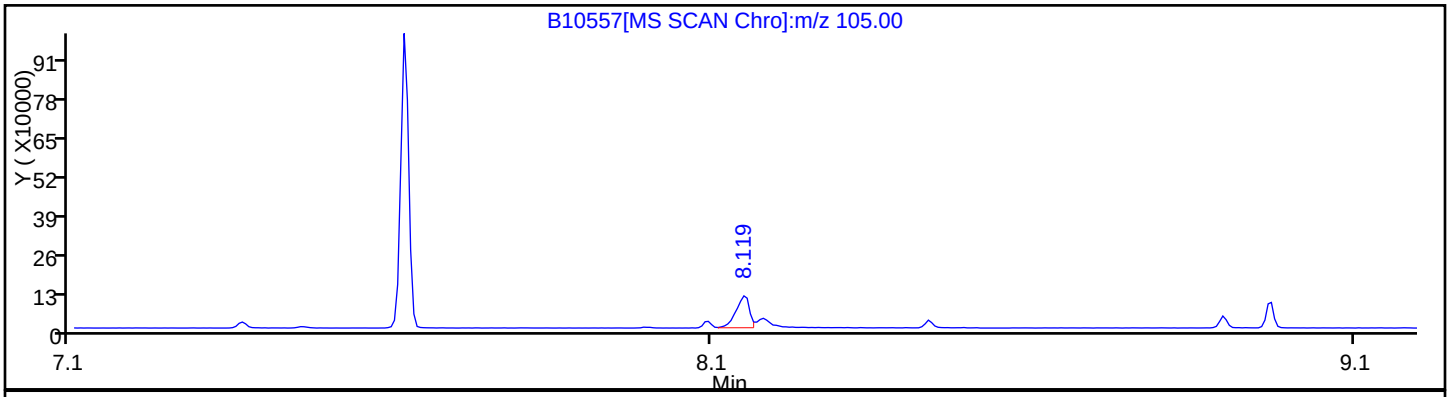
36 Benzoic acid

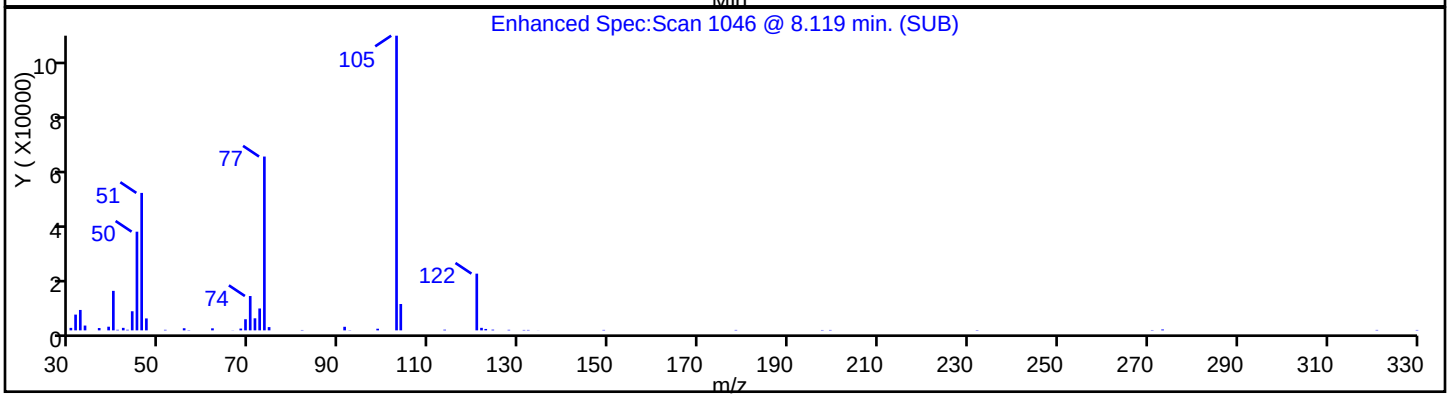
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:25:58
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49826/16 Calibration Date: 10/03/2009 21:56

Instrument ID: Inst. B Calib Start Date: 10/03/2009 16:51

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/03/2009 20:33

Lab File ID: B10705.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.1788		3750	5000	-24.9	30.0
Pyridine	Lin1		0.4737		3800	5000	-24.1	30.0
N-Nitrosodimethylamine	Ave	0.6058	0.4897		4040	5000	-19.2	30.0
Benzaldehyde	Ave	0.3137	0.2583		4120	5000	-17.7	30.0
Aniline	Ave	1.066	0.9149		4290	5000	-14.2	30.0
Phenol	Ave	0.9870	0.8548		4330	5000	-13.4	20.0
Bis(2-chloroethyl)ether	Ave	0.6780	0.5189		3830	5000	-23.5	30.0
2-Chlorophenol	Ave	0.7668	0.6064		3950	5000	-20.9	30.0
1,4-Dichlorobenzene	Ave	0.8919	0.7364		4130	5000	-17.4	20.0
1,3-Dichlorobenzene	Ave	0.9423	0.7560		4010	5000	-19.8	30.0
Benzyl alcohol	Qua		0.5563		4230	5000	-15.5	30.0
1,2-Dichlorobenzene	Ave	0.8544	0.6990		4090	5000	-18.2	30.0
2-Methylphenol	Ave	0.6772	0.5604		4140	5000	-17.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.293	1.022		3950	5000	-20.9	30.0
Acetophenone	Ave	1.021	0.8774		4300	5000	-14.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.5605	0.4779	0.0500	4260	5000	-14.7	30.0
3 & 4 Methylphenol	Ave	0.7069	0.6103		4320	5000	-13.7	30.0
Hexachloroethane	Ave	0.3723	0.3024		4060	5000	-18.8	30.0
Nitrobenzene	Ave	0.3985	0.3900		4890	5000	-2.1	30.0
Isophorone	Ave	0.6290	0.6253		4970	5000	-0.6	30.0
2-Nitrophenol	Ave	0.1669	0.1751		5240	5000	4.9	20.0
2,4-Dimethylphenol	Ave	0.3395	0.3387		4990	5000	-0.2	30.0
Benzoic acid	Qua		0.0694		4410	5000	-11.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.3500	0.3365		4810	5000	-3.9	30.0
2,4-Dichlorophenol	Ave	0.2626	0.2619		4990	5000	-0.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3054	0.2994		4900	5000	-2.0	30.0
Naphthalene	Ave	0.9762	0.9614		4920	5000	-1.5	30.0
Alpha-Terpineol	Ave	0.3199	0.3209		5020	5000	0.3	30.0
4-Chloroaniline	Ave	0.4001	0.4023		5030	5000	0.5	30.0
Hexachlorobutadiene	Ave	0.1767	0.1686		4770	5000	-4.6	20.0
Caprolactam	Lin2		0.1498		5130	5000	2.6	30.0
4-Chloro-3-methylphenol	Ave	0.2880	0.2857		4960	5000	-0.8	20.0
2-Methylnaphthalene	Ave	0.6331	0.6026		4760	5000	-4.8	30.0
1-Methylnaphthalene	Ave	0.6213	0.5861		4720	5000	-5.7	30.0
Hexachlorocyclopentadiene	Lin		0.2376	0.0500	4190	5000	-16.1	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2503	0.2399		4790	5000	-4.1	30.0
2,4,6-Trichlorophenol	Ave	0.3805	0.3726		4900	5000	-2.1	20.0
2,4,5-Trichlorophenol	Ave	0.3886	0.3794		4880	5000	-2.4	30.0
1,1'-Biphenyl	Ave	1.652	1.616		4890	5000	-2.2	30.0
2-Chloronaphthalene	Ave	1.555	1.505		4840	5000	-3.2	30.0
Phenyl ether	Ave	0.3957	0.3784		4780	5000	-4.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49826/16 Calibration Date: 10/03/2009 21:56

Instrument ID: Inst. B Calib Start Date: 10/03/2009 16:51

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/03/2009 20:33

Lab File ID: B10705.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4373	0.4717		5390	5000	7.9	30.0
Dimethyl phthalate	Ave	1.466	1.433		4890	5000	-2.2	30.0
2,6-Dinitrotoluene	Ave	0.3288	0.3333		5070	5000	1.4	30.0
Acenaphthylene	Ave	1.989	1.994		5010	5000	0.3	30.0
3-Nitroaniline	Ave	0.3384	0.3477		5140	5000	2.8	30.0
Acenaphthene	Ave	1.349	1.332		4940	5000	-1.3	20.0
2,4-Dinitrophenol	Lin		0.0831	0.0500	4570	5000	-8.7	30.0
4-Nitrophenol	Lin1		0.2438	0.0500	4500	5000	-10.0	30.0
2,4-Dinitrotoluene	Lin1		0.4134		4410	5000	-11.8	30.0
Dibenzofuran	Ave	1.713	1.665		4860	5000	-2.8	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2565		4750	5000	-5.1	30.0
Diethyl phthalate	Ave	1.497	1.488		4970	5000	-0.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6798	0.6529		4800	5000	-3.9	30.0
Fluorene	Lin		1.422		4280	5000	-14.4	30.0
2-Nitroaniline	Ave	0.4111	0.3876		4710	5000	-5.7	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.0970		4740	5000	-5.2	30.0
Diphenylamine	Ave	0.7920	0.8185		5170	5000	3.4	30.0
N-Nitrosodiphenylamine	Ave	0.7920	0.8185		5170	5000	3.4	20.0
1,2-Diphenylhydrazine	Ave	1.690	1.782		5270	5000	5.4	30.0
Azobenzene	Ave	1.690	1.782		5270	5000	5.4	30.0
Benzophenone	Ave	0.9208	0.9464		5140	5000	2.8	30.0
4-Bromophenyl phenyl ether	Ave	0.2170	0.2184		5030	5000	0.6	30.0
Hexachlorobenzene	Ave	0.2013	0.1892		4700	5000	-6.0	30.0
Atrazine	Ave	0.1903	0.1899		4990	5000	-0.2	30.0
Pentachlorophenol	Qua		0.0841		5030	5000	0.6	20.0
Pentachloronitrobenzene	Ave	0.1107	0.1108		5000	5000	0.0	30.0
Phenanthrene	Ave	1.183	1.159		4900	5000	-2.0	30.0
Anthracene	Ave	1.118	1.148		5130	5000	2.7	30.0
Carbazole	Ave	0.9704	0.9662		4980	5000	-0.4	30.0
Di-n-butyl phthalate	Ave	1.465	1.463		5000	5000	0.1	30.0
Fluoranthene	Ave	1.032	1.005		4870	5000	-2.6	20.0
Benzidine	Ave	0.2218	0.1935		4360	5000	-12.8	30.0
Pyrene	Ave	1.513	1.527		5050	5000	0.9	30.0
Butyl benzyl phthalate	Ave	0.7997	0.8444		5280	5000	5.6	30.0
3,3'-Dichlorobenzidine	Ave	0.2774	0.2978		5370	5000	7.4	30.0
Benzo[a]anthracene	Ave	0.9896	0.9829		4970	5000	-0.7	30.0
Bis(2-ethylhexyl) phthalate	Lin1		1.229		5190	5000	3.8	30.0
Chrysene	Ave	0.9437	0.9255		4900	5000	-1.9	30.0
Di-n-octyl phthalate	Lin1		2.432		4570	5000	-8.5	20.0
Benzo[b]fluoranthene	Ave	1.268	1.189		4690	5000	-6.2	30.0
Benzo[k]fluoranthene	Ave	1.127	1.080		4790	5000	-4.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49826/16 Calibration Date: 10/03/2009 21:56

Instrument ID: Inst. B Calib Start Date: 10/03/2009 16:51

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/03/2009 20:33

Lab File ID: B10705.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.9858	0.9610		4870	5000	-2.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9330	0.8816		4720	5000	-5.5	30.0
Dibenz(a,h)anthracene	Ave	0.7850	0.7113		4530	5000	-9.4	30.0
Benzo[g,h,i]perylene	Ave	0.8294	0.7538		4540	5000	-9.1	30.0
2-Fluorophenol	Ave	0.6099	0.4935		4050	5000	-19.1	30.0
Phenol-d5	Ave	0.8483	0.7099		4180	5000	-16.3	30.0
Nitrobenzene-d5	Ave	0.3955	0.3985		5040	5000	0.8	30.0
2-Fluorobiphenyl	Ave	1.578	1.552		4920	5000	-1.6	30.0
2,4,6-Tribromophenol	Ave	0.0792	0.0879		5540	5000	10.9	30.0
Terphenyl-d14	Ave	0.9029	0.8858		4910	5000	-1.9	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10705.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	03-Oct-2009 21:56:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49826	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	08-Oct-2009 07:31:04	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 13:53:54
Reviewed By:	sullivanp	Date:	06-Oct-2009 16:56:37
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:03:09
Reviewed By:	sullivanp	Date:	08-Oct-2009 07:31:04

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.632	6.632	0.000	282905	2.00	
* 2 Naphthalene-d8	136	7.777	7.777	0.000	526775	2.00	
* 3 Acenaphthene-d10	164	9.263	9.263	0.000	226893	2.00	
* 4 Phenanthrene-d10	188	10.499	10.499	0.000	332851	2.00	
* 5 Chrysene-d12	240	12.903	12.903	0.000	227995	2.00	
* 6 Perylene-d12	264	15.432	15.432	0.000	157060	2.00	
$ 7 2-Fluorophenol	112	5.218	5.218	0.000	349010	4.05	
$ 8 Phenol-d5	99	6.310	6.310	0.000	502064	4.18	
$ 9 Nitrobenzene-d5	82	7.147	7.147	0.000	524808	5.04	
$ 10 2-Fluorobiphenyl	172	8.690	8.690	0.000	880594	4.92	
$ 11 2,4,6-Tribromophenol	330	9.917	9.917	0.000	73112	5.54	
$ 12 Terphenyl-d14	244	11.816	11.816	0.000	504899	4.91	
14 1,4-Dioxane	88	2.155	2.155	0.000	126437	3.75	
16 Pyridine	79	2.607	2.607	0.000	334997	3.80	
15 N-Nitrosodimethylamine	42	2.622	2.622	0.000	346339	4.04	
17 Benzaldehyde	105	6.209	6.209	0.000	182662	4.12	
19 Aniline	93	6.320	6.320	0.000	647104	4.29	
18 Phenol	94	6.320	6.320	0.000	604587	4.33	
20 Bis(2-chloroethyl)ether	93	6.397	6.397	0.000	367005	3.83	
21 2-Chlorophenol	128	6.430	6.430	0.000	428889	3.95	
22 1,4-Dichlorobenzene	146	6.575	6.575	0.000	520855	4.13	
23 1,3-Dichlorobenzene	146	6.647	6.647	0.000	534695	4.01	
24 Benzyl alcohol	79	6.777	6.777	0.000	393472	4.23	
25 1,2-Dichlorobenzene	146	6.786	6.786	0.000	494350	4.09	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	6.887	6.887	0.000	396379	4.14	
27 2,2'-oxybis[1-chloropropane]	45	6.906	6.906	0.000	723158	3.95	
30 Acetophenone	105	7.017	7.017	0.000	620529	4.30	
29 N-Nitrosodi-n-propylamine	70	7.022	7.022	0.000	338005	4.26	
28 3 & 4 Methylphenol	108	7.031	7.031	0.000	431649	4.32	
31 Hexachloroethane	117	7.094	7.094	0.000	213896	4.06	
32 Nitrobenzene	77	7.166	7.166	0.000	513591	4.89	
33 Isophorone	82	7.378	7.378	0.000	823437	4.97	
34 2-Nitrophenol	139	7.450	7.450	0.000	230551	5.24	
35 2,4-Dimethylphenol	107	7.493	7.493	0.000	446071	4.99	
36 Benzoic acid	105	7.560	7.560	0.000	91331	4.41	
37 Bis(2-chloroethoxy)methane	93	7.570	7.570	0.000	443144	4.81	
38 2,4-Dichlorophenol	162	7.661	7.661	0.000	344941	4.99	
39 1,2,4-Trichlorobenzene	180	7.729	7.729	0.000	394321	4.90	
41 Naphthalene	128	7.796	7.796	0.000	1266117	4.92	
40 Alpha-Terpineol	59	7.806	7.806	0.000	422657	5.02	
42 4-Chloroaniline	127	7.844	7.844	0.000	529740	5.03	
43 Hexachlorobutadiene	225	7.902	7.902	0.000	221972	4.77	
44 Caprolactam	55	8.133	8.133	0.000	197334	5.13	
45 4-Chloro-3-methylphenol	107	8.258	8.258	0.000	376245	4.96	
46 2-Methylnaphthalene	142	8.387	8.387	0.000	793632	4.76	
47 1-Methylnaphthalene	142	8.469	8.469	0.000	771819	4.72	
48 Hexachlorocyclopentadiene	237	8.517	8.517	0.000	134777	4.19	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	315938	4.79	
50 2,4,6-Trichlorophenol	196	8.628	8.628	0.000	211333	4.90	
51 2,4,5-Trichlorophenol	196	8.657	8.657	0.000	215191	4.88	
52 1,1'-Biphenyl	154	8.777	8.777	0.000	916637	4.89	
53 2-Chloronaphthalene	162	8.796	8.796	0.000	853782	4.84	
54 Phenyl ether	170	8.864	8.864	0.000	498383	4.78	
68 4-Nitroaniline	138	8.883	8.883	0.000	267557	5.39	
56 Dimethyl phthalate	163	9.027	9.027	0.000	812933	4.89	
57 2,6-Dinitrotoluene	165	9.080	9.080	0.000	189052	5.07	
58 Acenaphthylene	152	9.142	9.142	0.000	1131169	5.01	
59 3-Nitroaniline	138	9.219	9.219	0.000	197247	5.14	
61 Acenaphthene	153	9.287	9.287	0.000	755509	4.94	
60 2,4-Dinitrophenol	184	9.311	9.311	0.000	47143	4.57	
62 4-Nitrophenol	109	9.359	9.359	0.000	138286	4.50	
63 2,4-Dinitrotoluene	165	9.417	9.417	0.000	234484	4.41	
64 Dibenzofuran	168	9.431	9.431	0.000	944430	4.86	
65 2,3,4,6-Tetrachlorophenol	232	9.532	9.532	0.000	145493	4.75	
66 Diethyl phthalate	149	9.609	9.609	0.000	843760	4.97	
67 4-Chlorophenyl phenyl ether	204	9.710	9.710	0.000	370355	4.80	
69 Fluorene	166	9.715	9.715	0.000	806789	4.28	
55 2-Nitroaniline	65	9.729	9.729	0.000	219858	4.71	
70 4,6-Dinitro-2-methylphenol	198	9.753	9.753	0.000	80718	4.74	
71 Diphenylamine	169	9.811	9.811	0.000	681107	5.17	
72 N-Nitrosodiphenylamine	169	9.811	9.811	0.000	681107	5.17	
73 1,2-Diphenylhydrazine	77	9.845	9.845	0.000	1483105	5.27	
74 Azobenzene	77	9.845	9.845	0.000	1483105	5.27	
13 Benzophenone	105	9.854	9.854	0.000	787539	5.14	
75 4-Bromophenyl phenyl ether	248	10.119	10.119	0.000	181729	5.03	
76 Hexachlorobenzene	284	10.176	10.176	0.000	157396	4.70	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
77 Atrazine	200	10.248	10.248	0.000	157990	4.99	
78 Pentachlorophenol	266	10.340	10.340	0.000	69955	5.03	
79 Pentachloronitrobenzene	237	10.349	10.349	0.000	92178	5.00	
80 Phenanthrene	178	10.518	10.518	0.000	964071	4.90	
81 Anthracene	178	10.556	10.556	0.000	955246	5.13	
83 Carbazole	167	10.691	10.691	0.000	803985	4.98	
84 Di-n-butyl phthalate	149	10.965	10.965	0.000	1217733	5.00	
87 Fluoranthene	202	11.504	11.504	0.000	835965	4.87	
86 Benzidine	184	11.609	11.609	0.000	160987	4.36	
85 Pyrene	202	11.696	11.696	0.000	870172	5.05	
89 Butyl benzyl phthalate	149	12.244	12.244	0.000	481314	5.28	
91 3,3'-Dichlorobenzidine	252	12.850	12.850	0.000	169766	5.37	
93 Benzo[a]anthracene	228	12.888	12.888	0.000	560214	4.97	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	700657	5.19	
94 Chrysene	228	12.937	12.937	0.000	527499	4.90	
95 Di-n-octyl phthalate	149	13.970	13.970	0.000	955019	4.57	
97 Benzo[b]fluoranthene	252	14.716	14.716	0.000	466999	4.69	
98 Benzo[k]fluoranthene	252	14.774	14.774	0.000	424094	4.79	
99 Benzo[a]pyrene	252	15.346	15.346	0.000	377347	4.87	
100 Indeno[1,2,3-cd]pyrene	276	16.827	16.827	0.000	346152	4.72	
101 Dibenz(a,h)anthracene	278	16.861	16.861	0.000	279303	4.53	
102 Benzo[g,h,i]perylene	276	17.202	17.202	0.000	295964	4.54	

Report Date: 08-Oct-2009 07:31:06 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10705.D

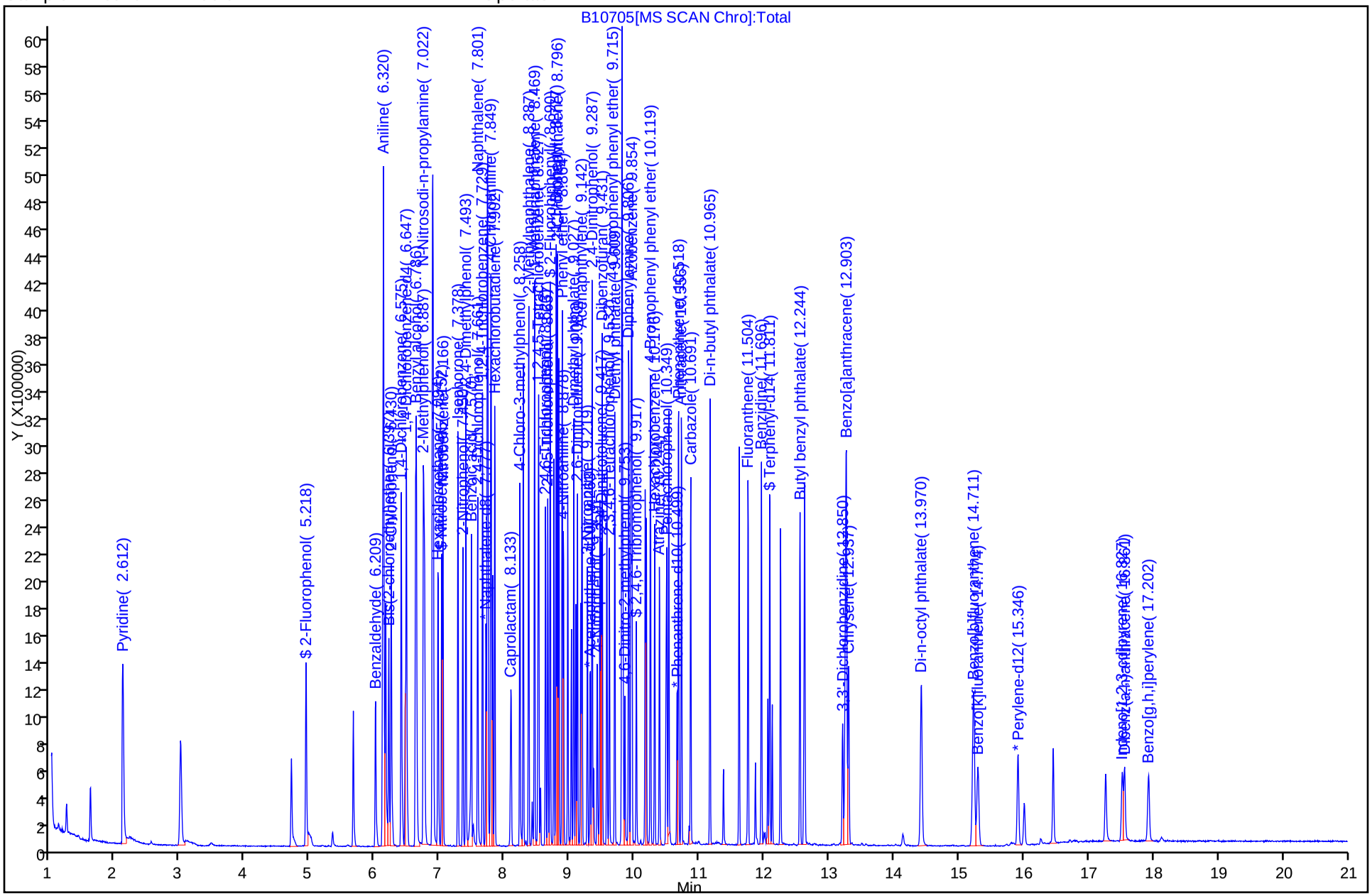
Inj Date: 03-Oct-2009 21:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49826 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49520/2 Calibration Date: 09/26/2009 13:04

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzophenone	Ave	0.7303				5000		30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	26-Sep-2009 13:04:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49520	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	26-Sep-2009 13:38:16
Reviewed By:	rachtank	Date:	27-Sep-2009 10:39:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.239	8.239	0.000	86809	2.00	
* 2 Naphthalene-d8	136	9.552	9.552	0.000	184885	2.00	
* 3 Acenaphthene-d10	164	11.345	11.345	0.000	96948	2.00	
* 4 Phenanthrene-d10	188	12.836	12.836	0.000	157073	2.00	
* 5 Chrysene-d12	240	15.620	15.620	0.000	93401	2.00	
* 6 Perylene-d12	264	17.337	17.337	0.000	61272	2.00	s
$ 7 2-Fluorophenol	112	6.892	6.892	0.000	123917	4.55	
$ 8 Phenol-d5	99	7.873	7.873	0.000	149366	4.48	
$ 9 Nitrobenzene-d5	82	8.840	8.840	0.000	140423	4.89	
$ 10 2-Fluorobiphenyl	172	10.629	10.629	0.000	291390	4.52	M
$ 11 2,4,6-Tribromophenol	330	12.148	12.148	0.000	33356	4.99	
$ 12 Terphenyl-d14	244	14.418	14.418	0.000	209012	5.38	
15 N-Nitrosodimethylamine	74	5.084	5.084	0.000	67367	4.41	
17 Benzaldehyde	105	7.806	7.806	0.000	81193	4.42	
18 Phenol	94	7.888	7.888	0.000	156332	4.39	
21 2-Chlorophenol	128	8.056	8.056	0.000	129665	4.56	
19 Aniline	93	7.945	7.945	0.000	185491	4.48	
20 Bis(2-chloroethyl)ether	93	7.984	7.984	0.000	126646	4.26	
22 1,4-Dichlorobenzene	146	8.205	8.205	0.000	148020	4.40	
23 1,3-Dichlorobenzene	146	8.258	8.258	0.000	149381	4.30	
25 1,2-Dichlorobenzene	146	8.455	8.455	0.000	138713	4.24	
26 2-Methylphenol	108	8.498	8.498	0.000	116853	4.55	
24 Benzyl alcohol	79	8.383	8.383	0.000	110155	4.78	
28 3 & 4 Methylphenol	108	8.638	8.638	0.000	122314	4.59	
30 Acetophenone	105	8.667	8.667	0.000	171253	4.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.527	8.527	0.000	117784	4.11	
31 Hexachloroethane	117	8.768	8.768	0.000	53393	4.50	
29 N-Nitrosodi-n-propylamine	70	8.672	8.672	0.000	91977	4.77	
32 Nitrobenzene	77	8.859	8.859	0.000	140352	4.81	
35 2,4-Dimethylphenol	107	9.172	9.172	0.000	129483	5.08	
33 Isophorone	82	9.071	9.071	0.000	252076	5.18	
34 2-Nitrophenol	139	9.181	9.181	0.000	69519	4.66	
36 Benzoic acid	105	9.225	9.225	0.000	14492	4.00	M
39 1,2,4-Trichlorobenzene	180	9.499	9.499	0.000	120488	4.75	
37 Bis(2-chloroethoxy)methane	93	9.273	9.273	0.000	144420	4.58	M
40 Alpha-Terpineol	59	9.523	9.523	0.000	90005	5.00	
42 4-Chloroaniline	127	9.633	9.633	0.000	145863	4.71	
41 Naphthalene	128	9.571	9.571	0.000	391935	4.67	M
38 2,4-Dichlorophenol	162	9.638	9.638	0.000	92066	4.62	
43 Hexachlorobutadiene	225	9.725	9.725	0.000	66421	4.96	
44 Caprolactam	55	9.936	9.936	0.000	37077	4.59	
46 2-Methylnaphthalene	142	10.258	10.258	0.000	261056	4.96	M
47 1-Methylnaphthalene	142	10.379	10.379	0.000	253775	4.90	
45 4-Chloro-3-methylphenol	107	10.081	10.081	0.000	113417	5.33	M
49 1,2,4,5-Tetrachlorobenzene	216	10.470	10.470	0.000	104102	5.14	
48 Hexachlorocyclopentadiene	237	10.475	10.475	0.000	18820	2.15	
51 2,4,5-Trichlorophenol	196	10.600	10.600	0.000	71970	4.99	
50 2,4,6-Trichlorophenol	196	10.561	10.561	0.000	72770	5.18	
54 Phenyl ether	170	10.831	10.831	0.000	167773	4.90	M
52 1,1'-Biphenyl	154	10.725	10.725	0.000	303244	4.46	
53 2-Chloronaphthalene	162	10.802	10.802	0.000	222569	3.70	
55 2-Nitroaniline	65	10.888	10.888	0.000	65971	4.30	
57 2,6-Dinitrotoluene	165	11.153	11.153	0.000	63450	4.66	
59 3-Nitroaniline	138	11.302	11.302	0.000	58126	4.12	M
58 Acenaphthylene	152	11.196	11.196	0.000	384239	4.90	M
60 2,4-Dinitrophenol	184	11.398	11.398	0.000	6471	4.34	M
62 4-Nitrophenol	109	11.422	11.422	0.000	26667	3.90	
56 Dimethyl phthalate	163	11.052	11.052	0.000	281714	4.81	M
64 Dibenzofuran	168	11.533	11.533	0.000	337580	4.65	
63 2,4-Dinitrotoluene	165	11.547	11.547	0.000	77687	4.55	
61 Acenaphthene	153	11.379	11.379	0.000	243489	4.60	M
65 2,3,4,6-Tetrachlorophenol	232	11.687	11.687	0.000	52369	4.59	M
66 Diethyl phthalate	149	11.744	11.744	0.000	289517	4.91	
67 4-Chlorophenyl phenyl ether	204	11.845	11.845	0.000	131911	4.75	
68 4-Nitroaniline	138	11.927	11.927	0.000	40395	3.51	
71 Diphenylamine	169	11.970	11.970	0.000	239007	4.88	
72 N-Nitrosodiphenylamine	169	11.970	11.970	0.000	241529	4.94	M
74 Azobenzene	77	12.004	12.004	0.000	301892	5.15	M
73 1,2-Diphenylhydrazine	77	12.004	12.004	0.000	306058	5.23	M
69 Fluorene	166	11.879	11.879	0.000	278553	4.88	M
75 4-Bromophenyl phenyl ether	248	11.552	11.552	0.000	56499	3.90	M
70 4,6-Dinitro-2-methylphenol	198	11.951	11.951	0.000	16629	5.45	M
76 Hexachlorobenzene	284	12.519	12.519	0.000	76280	5.12	
77 Atrazine	200	12.499	12.499	0.000	75735	5.57	M
78 Pentachlorophenol	266	12.687	12.687	0.000	21174	3.84	
79 Pentachloronitrobenzene	237	12.764	12.764	0.000	29905	5.14	
81 Anthracene	178	12.860	12.860	0.000	368062	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	12.903	12.903	0.000	348017	4.29	
83 Carbazole	167	13.052	13.052	0.000	281497	4.38	
84 Di-n-butyl phthalate	149	13.355	13.355	0.000	467414	4.96	
85 Pyrene	202	14.072	14.072	0.000	329771	5.49	
86 Benzidine	184	14.178	14.178	0.000	38187	3.07	M
87 Fluoranthene	202	14.072	14.072	0.000	331835	4.41	M
89 Butyl benzyl phthalate	149	14.918	14.918	0.000	188338	5.78	
92 Bis(2-ethylhexyl) phthalate	149	15.500	15.500	0.000	433222	10.5	
91 3,3'-Dichlorobenzidine	252	15.548	15.548	0.000	55787	5.05	
93 Benzo[a]anthracene	228	15.596	15.596	0.000	199652	4.86	
94 Chrysene	228	15.649	15.649	0.000	187116	4.50	
95 Di-n-octyl phthalate	149	16.144	16.144	0.000	363969	5.21	M
98 Benzo[k]fluoranthene	252	16.827	16.827	0.000	190875	4.84	
97 Benzo[b]fluoranthene	252	16.851	16.851	0.000	138602	3.31	
99 Benzo[a]pyrene	252	17.265	17.265	0.000	118373	4.21	M
100 Indeno[1,2,3-cd]pyrene	276	19.015	19.015	0.000	91822	4.56	
101 Dibenz(a,h)anthracene	278	19.006	19.006	0.000	70038	5.07	M
102 Benzo[g,h,i]perylene	276	19.530	19.530	0.000	83435	4.78	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 27-Sep-2009 10:39:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D

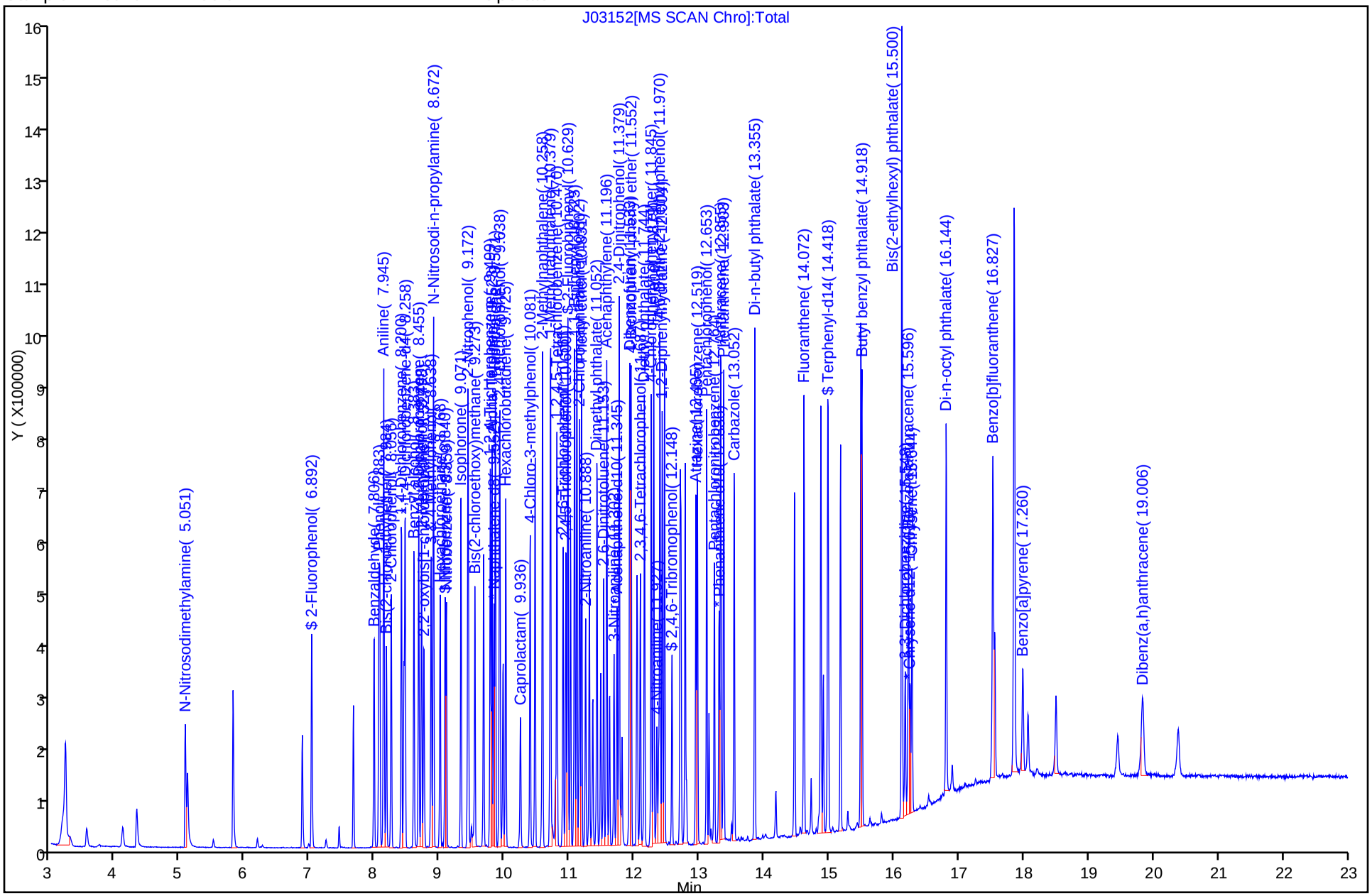
Inj Date: 26-Sep-2009 13:04:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49520/2 Calibration Date: 09/26/2009 13:04

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.3519	0.3104		4410	5000	-11.8	30.0
Benzaldehyde	Ave	0.4236	0.3741		4420	5000	-11.7	30.0
Phenol	Ave	0.8207	0.7204		4390	5000	-12.2	20.0
Aniline	Ave	0.9532	0.8547		4480	5000	-10.3	30.0
Bis(2-chloroethyl)ether	Ave	0.6855	0.5836		4260	5000	-14.9	30.0
2-Chlorophenol	Ave	0.6554	0.5975		4560	5000	-8.8	30.0
1,4-Dichlorobenzene	Ave	0.7747	0.6821		4400	5000	-12.0	20.0
1,3-Dichlorobenzene	Ave	0.8010	0.6883		4300	5000	-14.1	30.0
Benzyl alcohol	Ave	0.5311	0.5076		4780	5000	-4.4	30.0
1,2-Dichlorobenzene	Ave	0.7539	0.6392		4240	5000	-15.2	30.0
2-Methylphenol	Ave	0.5914	0.5384		4550	5000	-8.9	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6595	0.5427		4110	5000	-17.7	30.0
3 & 4 Methylphenol	Ave	0.6142	0.5636		4590	5000	-8.2	30.0
Acetophenone	Ave	0.8654	0.7891		4560	5000	-8.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.4443	0.4238	0.0500	4770	5000	-4.6	30.0
Hexachloroethane	Ave	0.2732	0.2460		4500	5000	-9.9	30.0
Nitrobenzene	Ave	0.3153	0.3037		4810	5000	-3.7	30.0
Isophorone	Ave	0.5260	0.5454		5180	5000	3.7	30.0
2,4-Dimethylphenol	Ave	0.2755	0.2801		5080	5000	1.7	30.0
2-Nitrophenol	Lin1		0.1504		4660	5000	-6.9	20.0
Benzoic acid	Qua		0.0314		4000	5000	-20.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.3411	0.3125		4580	5000	-8.4	30.0
1,2,4-Trichlorobenzene	Ave	0.2744	0.2607		4750	5000	-5.0	30.0
Alpha-Terpineol	Ave	0.1947	0.1947		5000	5000	0.0	30.0
Naphthalene	Ave	0.9072	0.8480		4670	5000	-6.5	30.0
4-Chloroaniline	Ave	0.3348	0.3156		4710	5000	-5.7	30.0
2,4-Dichlorophenol	Ave	0.2157	0.1992		4620	5000	-7.6	20.0
Hexachlorobutadiene	Ave	0.1449	0.1437		4960	5000	-0.9	20.0
Caprolactam	Lin1		0.0802		4590	5000	-8.3	30.0
4-Chloro-3-methylphenol	Ave	0.2303	0.2454		5330	5000	6.6	20.0
2-Methylnaphthalene	Ave	0.5692	0.5648		4960	5000	-0.8	30.0
1-Methylnaphthalene	Ave	0.5600	0.5490		4900	5000	-2.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2191	0.2252		5140	5000	2.8	30.0
Hexachlorocyclopentadiene	Ave	0.1803	0.0777	0.0500	2150	5000	-56.9*	30.0
2,4,6-Trichlorophenol	Ave	0.2897	0.3002		5180	5000	3.7	20.0
2,4,5-Trichlorophenol	Ave	0.2975	0.2969		4990	5000	-0.2	30.0
1,1'-Biphenyl	Ave	1.402	1.251		4460	5000	-10.8	30.0
2-Chloronaphthalene	Ave	1.241	0.9183		3700	5000	-26.0	30.0
2-Nitroaniline	Lin1		0.2722		4300	5000	-14.1	30.0
Dimethyl phthalate	Ave	1.207	1.162		4810	5000	-3.7	30.0
2,6-Dinitrotoluene	Lin2		0.2618		4660	5000	-6.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49520/2 Calibration Date: 09/26/2009 13:04

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.618	1.585		4900	5000	-2.0	30.0
3-Nitroaniline	Lin1		0.2398		4120	5000	-17.6	30.0
Acenaphthene	Ave	1.091	1.005		4600	5000	-7.9	20.0
2,4-Dinitrophenol	Qua		0.0267*	0.0500	4340	5000	-13.2	30.0
4-Nitrophenol	Lin		0.1100	0.0500	3900	5000	-22.0	30.0
Dibenzofuran	Ave	1.497	1.393		4650	5000	-6.9	30.0
2,4-Dinitrotoluene	Lin1		0.3205		4550	5000	-8.9	30.0
4-Bromophenyl phenyl ether	Ave	0.1845	0.1439		3900	5000	-22.0	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2161		4590	5000	-8.3	30.0
Diethyl phthalate	Ave	1.215	1.195		4910	5000	-1.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.5726	0.5443		4750	5000	-5.0	30.0
Fluorene	Ave	1.178	1.149		4880	5000	-2.5	30.0
4-Nitroaniline	Lin1		0.1667		3510	5000	-29.8	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0424		5450	5000	9.0	30.0
Diphenylamine	Ave	0.6232	0.6087		4880	5000	-2.3	30.0
N-Nitrosodiphenylamine	Ave	0.6232	0.6151		4940	5000	-1.3	20.0
1,2-Diphenylhydrazine	Ave	0.7457	0.7794		5230	5000	4.5	30.0
Azobenzene	Ave	0.7457	0.7688		5150	5000	3.1	30.0
Atrazine	Ave	0.1730	0.1929		5570	5000	11.5	30.0
Hexachlorobenzene	Ave	0.1897	0.1943		5120	5000	2.4	30.0
Pentachlorophenol	Qua		0.0539		3840	5000	-23.3*	20.0
Pentachloronitrobenzene	Lin1		0.0762		5140	5000	2.9	30.0
Anthracene	Ave	0.9247	0.9373		5070	5000	1.4	30.0
Phenanthrene	Ave	1.033	0.8863		4290	5000	-14.2	30.0
Carbazole	Ave	0.8175	0.7169		4380	5000	-12.3	30.0
Di-n-butyl phthalate	Ave	1.201	1.190		4960	5000	-0.9	30.0
Fluoranthene	Ave	0.9580	0.8451		4410	5000	-11.8	20.0
Pyrene	Ave	1.287	1.412		5490	5000	9.8	30.0
Benzidine	Lin1		0.0973		3070	5000	-38.5*	30.0
Butyl benzyl phthalate	Lin1		0.8066		5780	5000	15.6	30.0
Bis(2-ethylhexyl) phthalate	Lin1		1.855		10500	5000	110.0*	30.0
3,3'-Dichlorobenzidine	Lin1		0.2389		5050	5000	1.0	30.0
Benzo[a]anthracene	Ave	0.8789	0.8550		4860	5000	-2.7	30.0
Chrysene	Ave	0.8894	0.8013		4500	5000	-9.9	30.0
Di-n-octyl phthalate	Lin		2.376		5210	5000	4.2	20.0
Benzo[k]fluoranthene	Lin1		1.246		4840	5000	-3.3	30.0
Benzo[b]fluoranthene	Lin1		0.9048		3310	5000	-33.8*	30.0
Benzo[a]pyrene	Lin1		0.7728		4210	5000	-15.9	20.0
Dibenz(a,h)anthracene	Qua		0.4572		5070	5000	1.4	30.0
Indeno[1,2,3-cd]pyrene	Lin		0.5994		4560	5000	-8.8	30.0
Benzo[g,h,i]perylene	Lin		0.5447		4780	5000	-4.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49520/2 Calibration Date: 09/26/2009 13:04

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2					5000	-100.0*	30.0
Pyridine	Ave	0.6756				5000		30.0
2-Fluorophenol	Ave	0.6268	0.5710		4550	5000	-8.9	30.0
Phenol-d5	Ave	0.7689	0.6883		4480	5000	-10.5	30.0
Nitrobenzene-d5	Ave	0.3109	0.3038		4890	5000	-2.3	30.0
2-Fluorobiphenyl	Ave	1.330	1.202		4520	5000	-9.6	30.0
2,4,6-Tribromophenol	Lin1		0.0849		4990	5000	-0.1	30.0
Terphenyl-d14	Ave	0.8312	0.8951		5380	5000	7.7	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	26-Sep-2009 13:04:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49520	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	26-Sep-2009 13:38:16
Reviewed By:	rachtank	Date:	27-Sep-2009 10:39:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.239	8.239	0.000	86809	2.00	
* 2 Naphthalene-d8	136	9.552	9.552	0.000	184885	2.00	
* 3 Acenaphthene-d10	164	11.345	11.345	0.000	96948	2.00	
* 4 Phenanthrene-d10	188	12.836	12.836	0.000	157073	2.00	
* 5 Chrysene-d12	240	15.620	15.620	0.000	93401	2.00	
* 6 Perylene-d12	264	17.337	17.337	0.000	61272	2.00	s
$ 7 2-Fluorophenol	112	6.892	6.892	0.000	123917	4.55	
$ 8 Phenol-d5	99	7.873	7.873	0.000	149366	4.48	
$ 9 Nitrobenzene-d5	82	8.840	8.840	0.000	140423	4.89	
$ 10 2-Fluorobiphenyl	172	10.629	10.629	0.000	291390	4.52	M
$ 11 2,4,6-Tribromophenol	330	12.148	12.148	0.000	33356	4.99	
$ 12 Terphenyl-d14	244	14.418	14.418	0.000	209012	5.38	
15 N-Nitrosodimethylamine	74	5.084	5.084	0.000	67367	4.41	
17 Benzaldehyde	105	7.806	7.806	0.000	81193	4.42	
18 Phenol	94	7.888	7.888	0.000	156332	4.39	
21 2-Chlorophenol	128	8.056	8.056	0.000	129665	4.56	
19 Aniline	93	7.945	7.945	0.000	185491	4.48	
20 Bis(2-chloroethyl)ether	93	7.984	7.984	0.000	126646	4.26	
22 1,4-Dichlorobenzene	146	8.205	8.205	0.000	148020	4.40	
23 1,3-Dichlorobenzene	146	8.258	8.258	0.000	149381	4.30	
25 1,2-Dichlorobenzene	146	8.455	8.455	0.000	138713	4.24	
26 2-Methylphenol	108	8.498	8.498	0.000	116853	4.55	
24 Benzyl alcohol	79	8.383	8.383	0.000	110155	4.78	
28 3 & 4 Methylphenol	108	8.638	8.638	0.000	122314	4.59	
30 Acetophenone	105	8.667	8.667	0.000	171253	4.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.527	8.527	0.000	117784	4.11	
31 Hexachloroethane	117	8.768	8.768	0.000	53393	4.50	
29 N-Nitrosodi-n-propylamine	70	8.672	8.672	0.000	91977	4.77	
32 Nitrobenzene	77	8.859	8.859	0.000	140352	4.81	
35 2,4-Dimethylphenol	107	9.172	9.172	0.000	129483	5.08	
33 Isophorone	82	9.071	9.071	0.000	252076	5.18	
34 2-Nitrophenol	139	9.181	9.181	0.000	69519	4.66	
36 Benzoic acid	105	9.225	9.225	0.000	14492	4.00	M
39 1,2,4-Trichlorobenzene	180	9.499	9.499	0.000	120488	4.75	
37 Bis(2-chloroethoxy)methane	93	9.273	9.273	0.000	144420	4.58	M
40 Alpha-Terpineol	59	9.523	9.523	0.000	90005	5.00	
42 4-Chloroaniline	127	9.633	9.633	0.000	145863	4.71	
41 Naphthalene	128	9.571	9.571	0.000	391935	4.67	M
38 2,4-Dichlorophenol	162	9.638	9.638	0.000	92066	4.62	
43 Hexachlorobutadiene	225	9.725	9.725	0.000	66421	4.96	
44 Caprolactam	55	9.936	9.936	0.000	37077	4.59	
46 2-Methylnaphthalene	142	10.258	10.258	0.000	261056	4.96	M
47 1-Methylnaphthalene	142	10.379	10.379	0.000	253775	4.90	
45 4-Chloro-3-methylphenol	107	10.081	10.081	0.000	113417	5.33	M
49 1,2,4,5-Tetrachlorobenzene	216	10.470	10.470	0.000	104102	5.14	
48 Hexachlorocyclopentadiene	237	10.475	10.475	0.000	18820	2.15	
51 2,4,5-Trichlorophenol	196	10.600	10.600	0.000	71970	4.99	
50 2,4,6-Trichlorophenol	196	10.561	10.561	0.000	72770	5.18	
54 Phenyl ether	170	10.831	10.831	0.000	167773	4.90	M
52 1,1'-Biphenyl	154	10.725	10.725	0.000	303244	4.46	
53 2-Chloronaphthalene	162	10.802	10.802	0.000	222569	3.70	
55 2-Nitroaniline	65	10.888	10.888	0.000	65971	4.30	
57 2,6-Dinitrotoluene	165	11.153	11.153	0.000	63450	4.66	
59 3-Nitroaniline	138	11.302	11.302	0.000	58126	4.12	M
58 Acenaphthylene	152	11.196	11.196	0.000	384239	4.90	M
60 2,4-Dinitrophenol	184	11.398	11.398	0.000	6471	4.34	M
62 4-Nitrophenol	109	11.422	11.422	0.000	26667	3.90	
56 Dimethyl phthalate	163	11.052	11.052	0.000	281714	4.81	M
64 Dibenzofuran	168	11.533	11.533	0.000	337580	4.65	
63 2,4-Dinitrotoluene	165	11.547	11.547	0.000	77687	4.55	
61 Acenaphthene	153	11.379	11.379	0.000	243489	4.60	M
65 2,3,4,6-Tetrachlorophenol	232	11.687	11.687	0.000	52369	4.59	M
66 Diethyl phthalate	149	11.744	11.744	0.000	289517	4.91	
67 4-Chlorophenyl phenyl ether	204	11.845	11.845	0.000	131911	4.75	
68 4-Nitroaniline	138	11.927	11.927	0.000	40395	3.51	
71 Diphenylamine	169	11.970	11.970	0.000	239007	4.88	
72 N-Nitrosodiphenylamine	169	11.970	11.970	0.000	241529	4.94	M
74 Azobenzene	77	12.004	12.004	0.000	301892	5.15	M
73 1,2-Diphenylhydrazine	77	12.004	12.004	0.000	306058	5.23	M
69 Fluorene	166	11.879	11.879	0.000	278553	4.88	M
75 4-Bromophenyl phenyl ether	248	11.552	11.552	0.000	56499	3.90	M
70 4,6-Dinitro-2-methylphenol	198	11.951	11.951	0.000	16629	5.45	M
76 Hexachlorobenzene	284	12.519	12.519	0.000	76280	5.12	
77 Atrazine	200	12.499	12.499	0.000	75735	5.57	M
78 Pentachlorophenol	266	12.687	12.687	0.000	21174	3.84	
79 Pentachloronitrobenzene	237	12.764	12.764	0.000	29905	5.14	
81 Anthracene	178	12.860	12.860	0.000	368062	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	12.903	12.903	0.000	348017	4.29	
83 Carbazole	167	13.052	13.052	0.000	281497	4.38	
84 Di-n-butyl phthalate	149	13.355	13.355	0.000	467414	4.96	
85 Pyrene	202	14.072	14.072	0.000	329771	5.49	
86 Benzidine	184	14.178	14.178	0.000	38187	3.07	M
87 Fluoranthene	202	14.072	14.072	0.000	331835	4.41	M
89 Butyl benzyl phthalate	149	14.918	14.918	0.000	188338	5.78	
92 Bis(2-ethylhexyl) phthalate	149	15.500	15.500	0.000	433222	10.5	
91 3,3'-Dichlorobenzidine	252	15.548	15.548	0.000	55787	5.05	
93 Benzo[a]anthracene	228	15.596	15.596	0.000	199652	4.86	
94 Chrysene	228	15.649	15.649	0.000	187116	4.50	
95 Di-n-octyl phthalate	149	16.144	16.144	0.000	363969	5.21	M
98 Benzo[k]fluoranthene	252	16.827	16.827	0.000	190875	4.84	
97 Benzo[b]fluoranthene	252	16.851	16.851	0.000	138602	3.31	
99 Benzo[a]pyrene	252	17.265	17.265	0.000	118373	4.21	M
100 Indeno[1,2,3-cd]pyrene	276	19.015	19.015	0.000	91822	4.56	
101 Dibenz(a,h)anthracene	278	19.006	19.006	0.000	70038	5.07	M
102 Benzo[g,h,i]perylene	276	19.530	19.530	0.000	83435	4.78	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 27-Sep-2009 10:39:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D

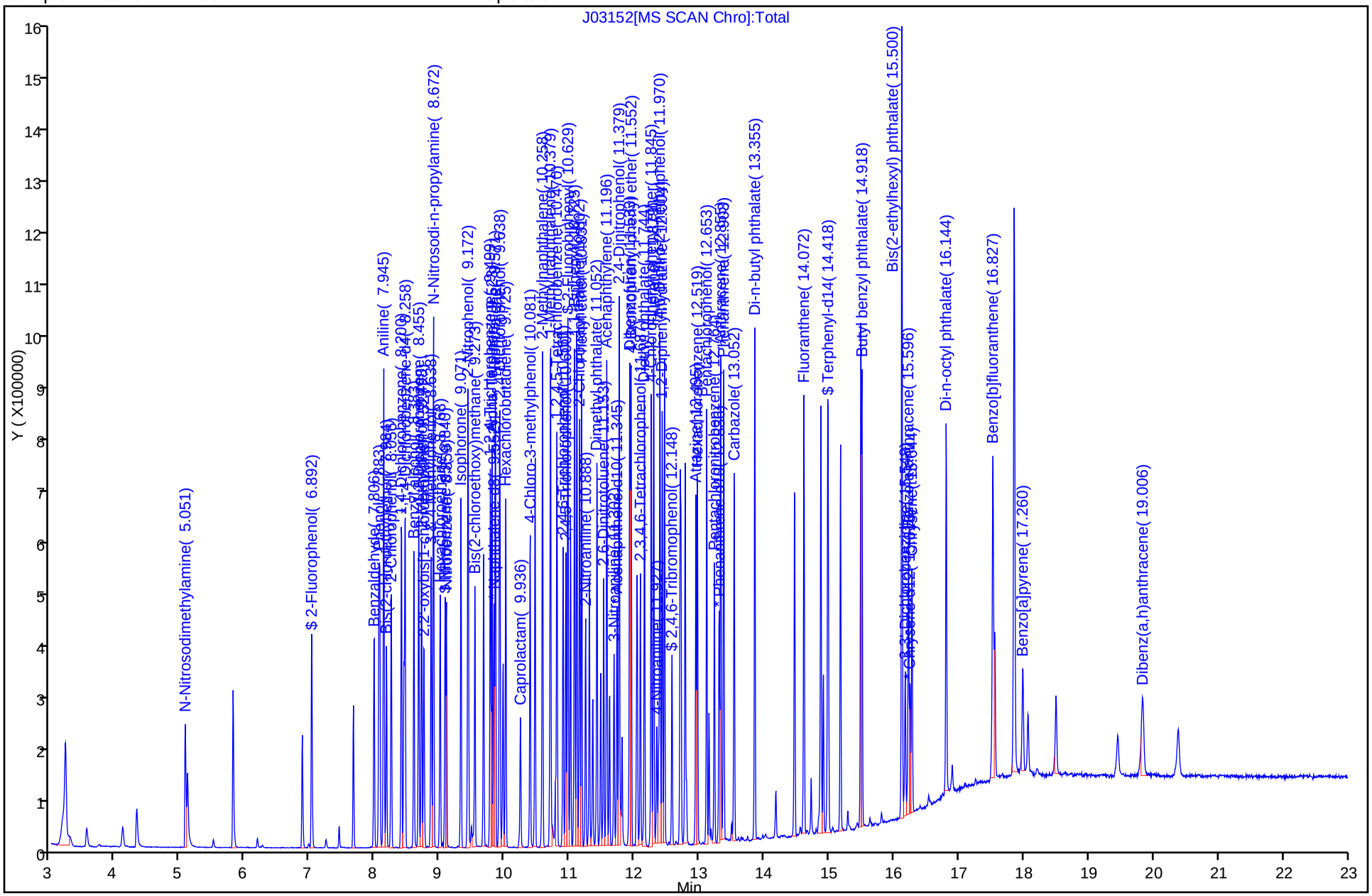
Inj Date: 26-Sep-2009 13:04:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



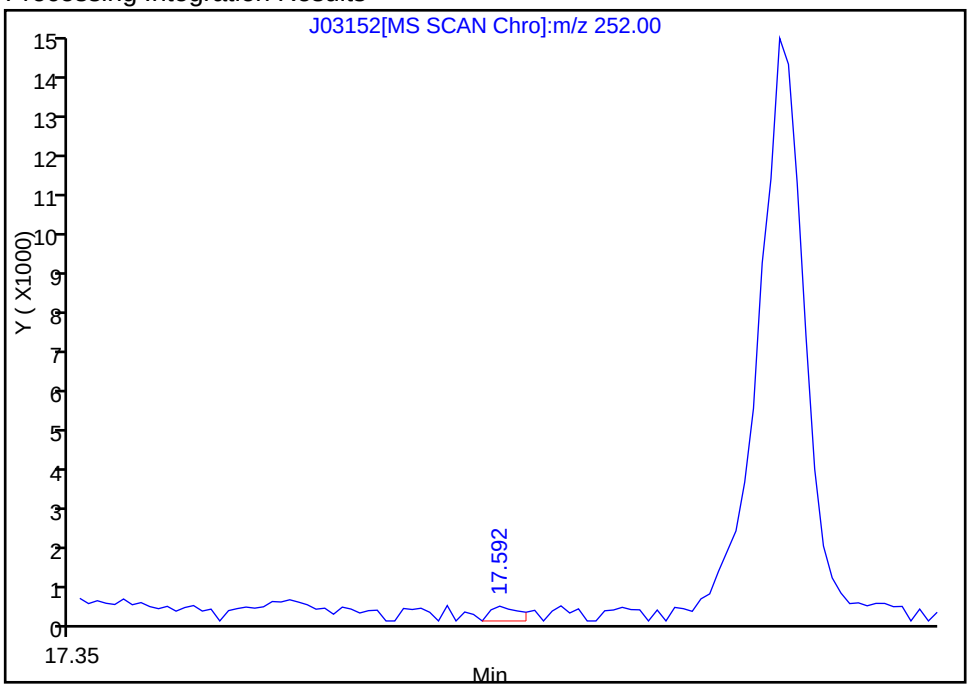
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 17.26

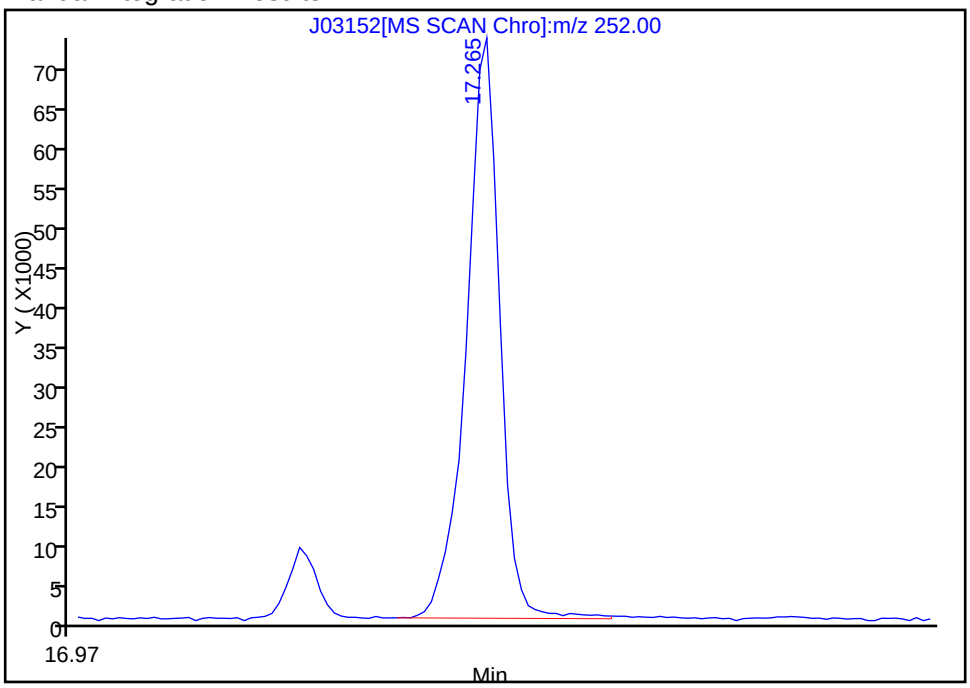
Processing Integration Results

RT: 17.59
Response: 396
Amount: 0.154804



Manual Integration Results

RT: 17.26
Response: 118373
Amount: 4.205692



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

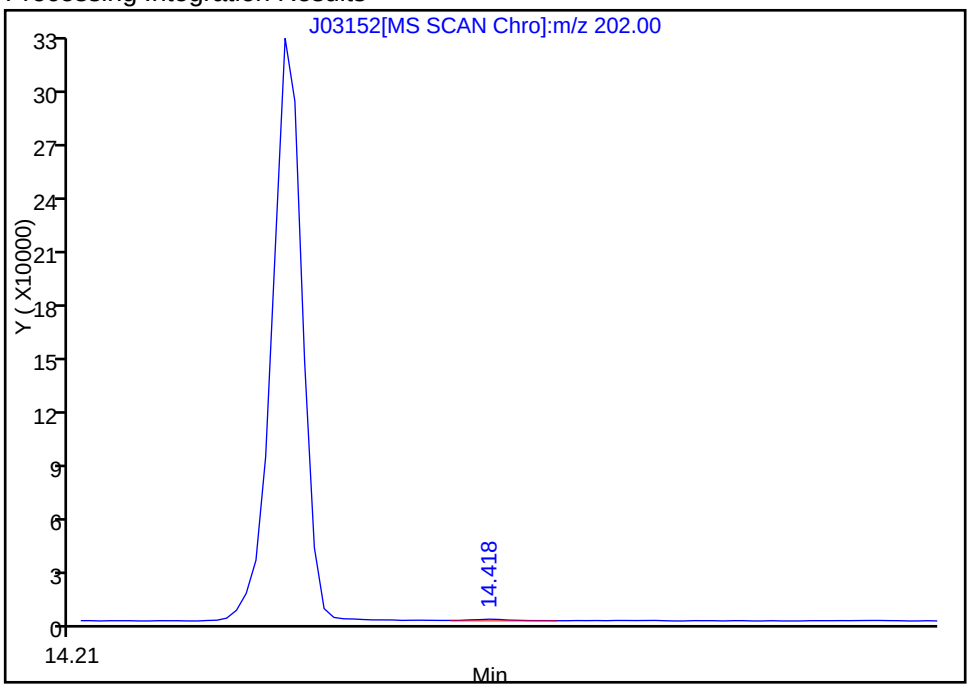
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

87 Fluoranthene, Number: 1, m/z: 202 Type: quant, RT: 14.07

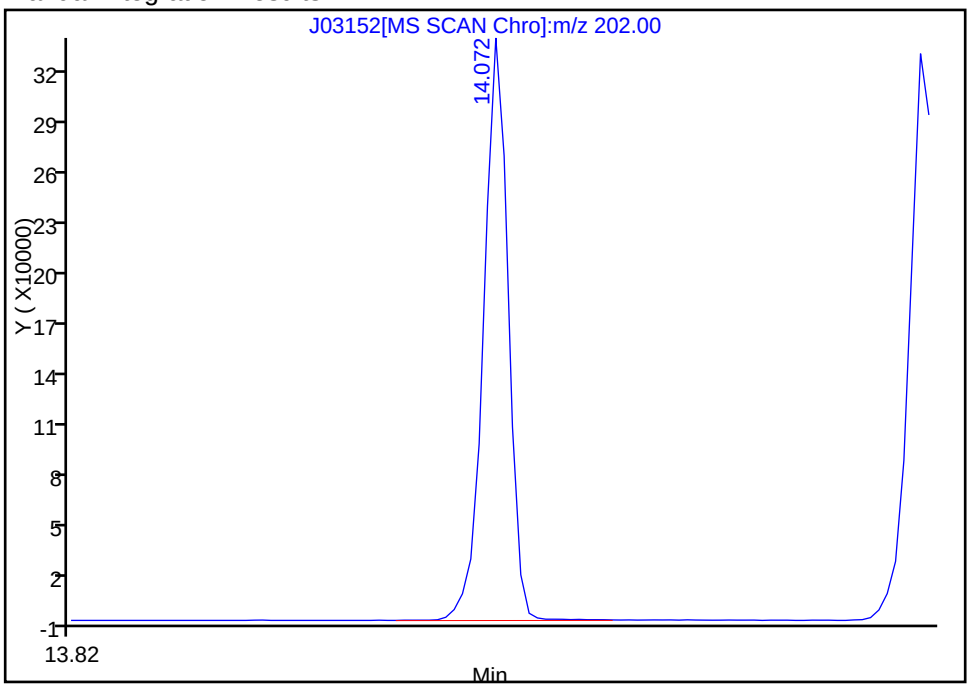
Processing Integration Results

RT: 14.42
Response: 1386
Amount: 0.018421



Manual Integration Results

RT: 14.07
Response: 331835
Amount: 4.410427



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

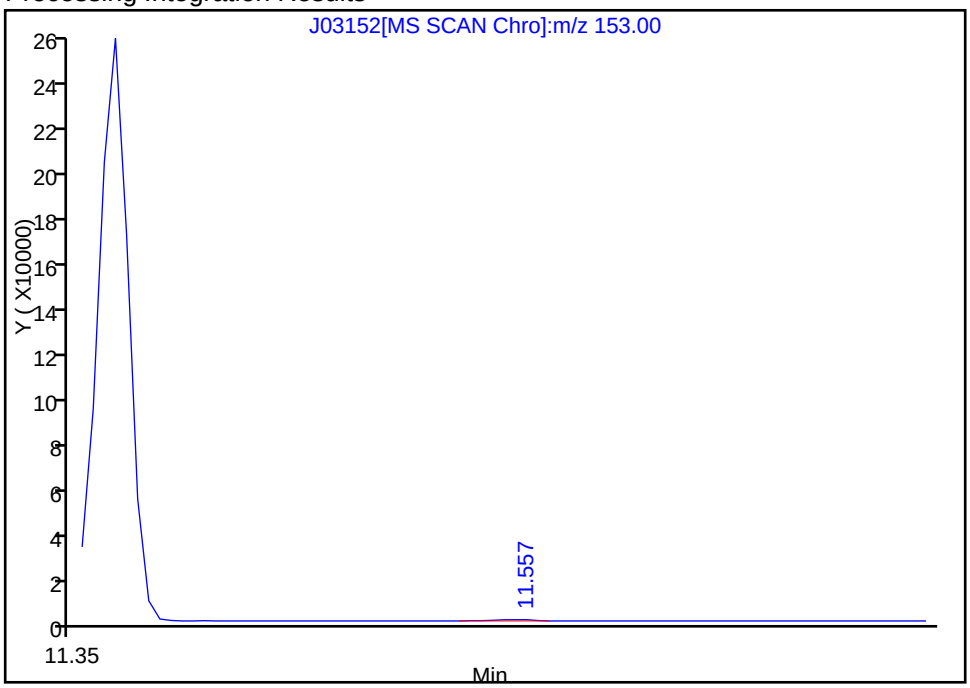
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

61 Acenaphthene, Number: 1, m/z: 153 Type: quant, RT: 11.38

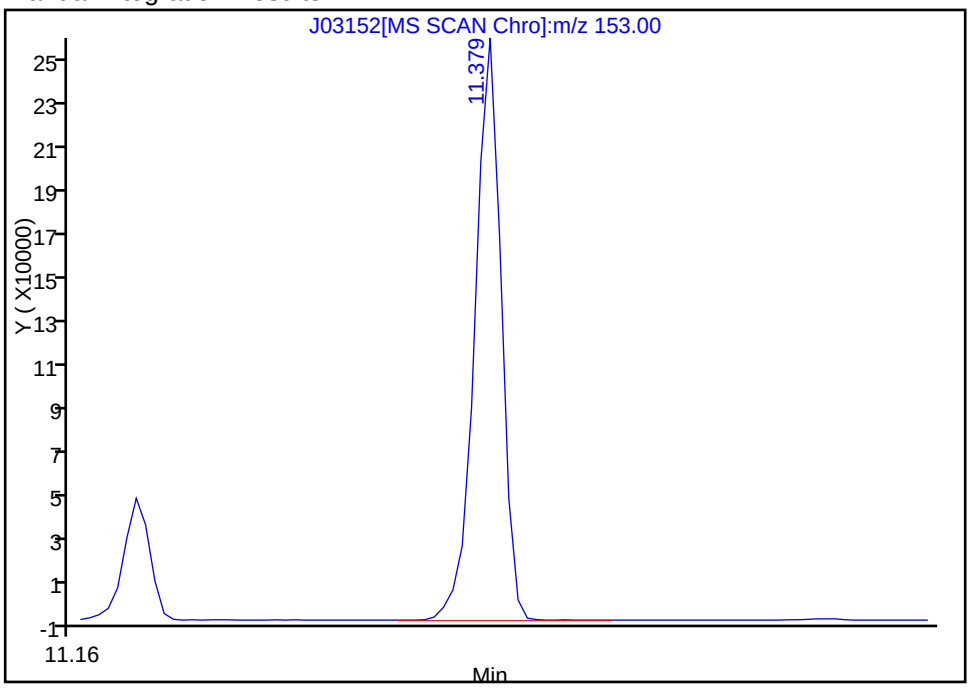
Processing Integration Results

RT: 11.56
Response: 700
Amount: 0.013233



Manual Integration Results

RT: 11.38
Response: 243489
Amount: 4.602946



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

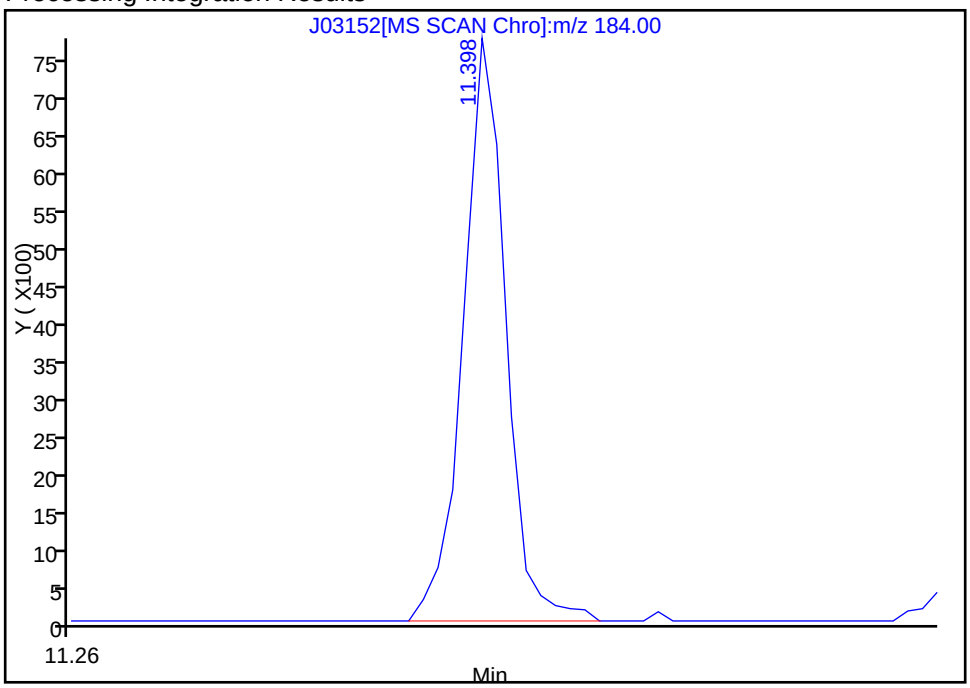
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.40

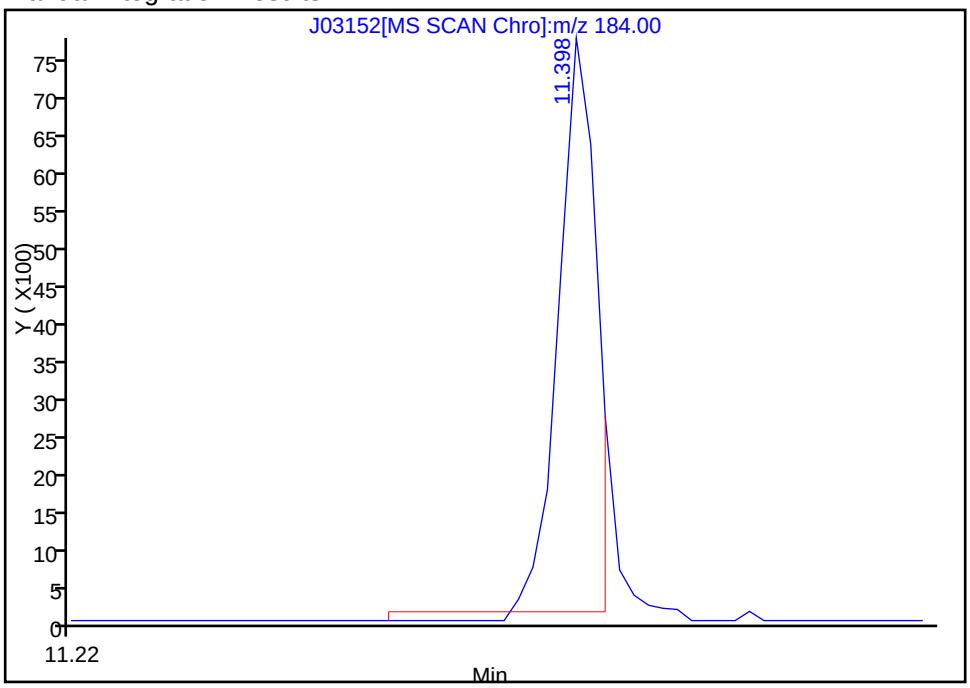
Processing Integration Results

RT: 11.40
Response: 7450
Amount: 4.760754



Manual Integration Results

RT: 11.40
Response: 6471
Amount: 4.341755



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

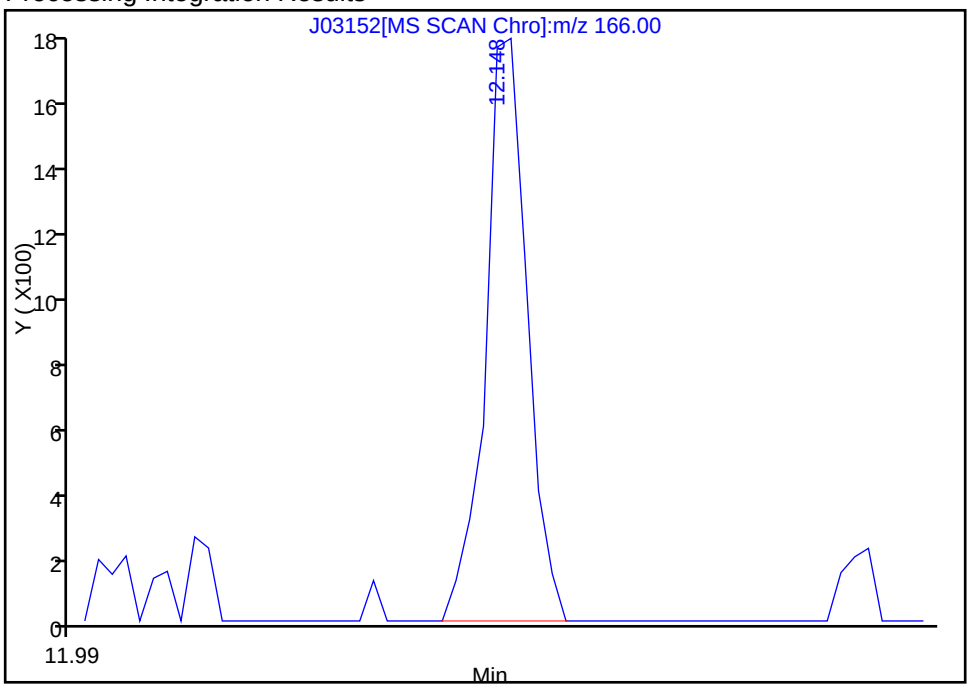
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

69 Fluorene, Number: 1, m/z: 166 Type: quant, RT: 11.88

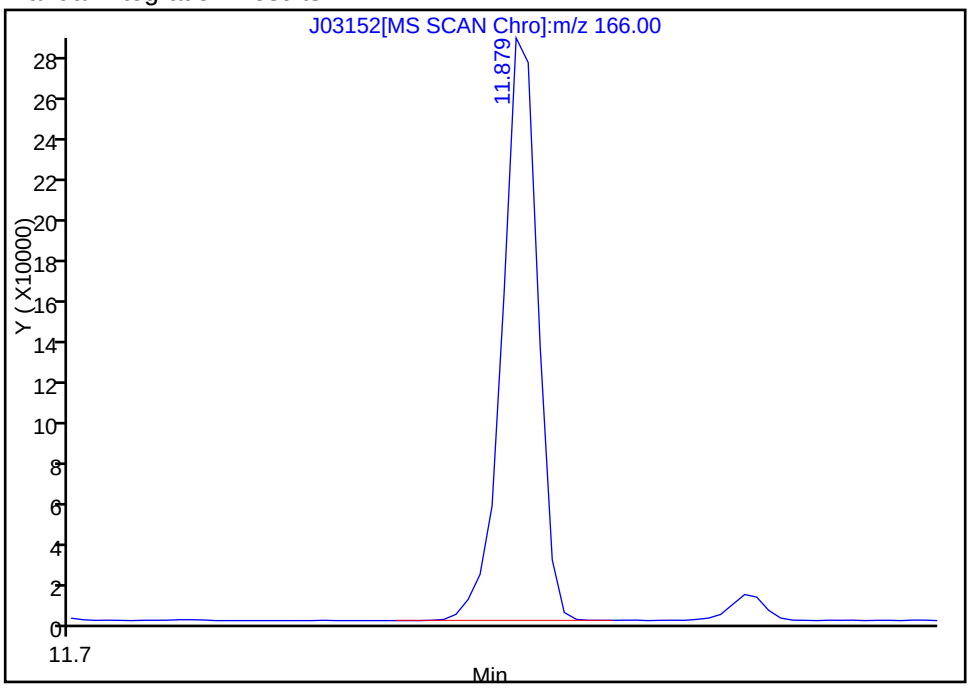
Processing Integration Results

RT: 12.15
Response: 1789
Amount: 0.031318



Manual Integration Results

RT: 11.88
Response: 278553
Amount: 4.876361



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

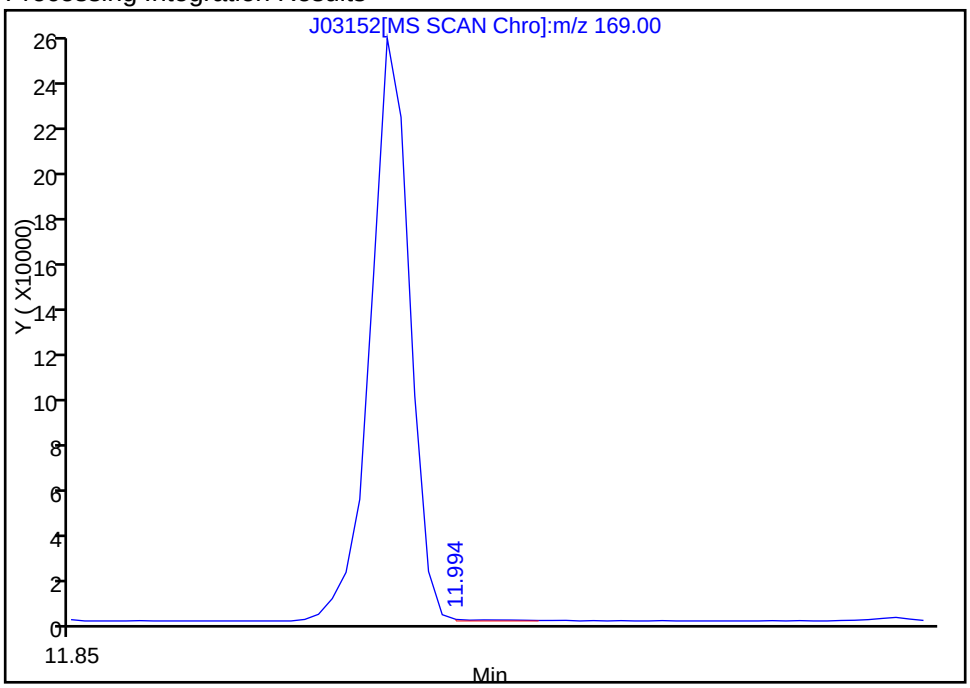
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

72 N-Nitrosodiphenylamine, Number: 1, m/z: 169 Type: quant, RT: 11.97

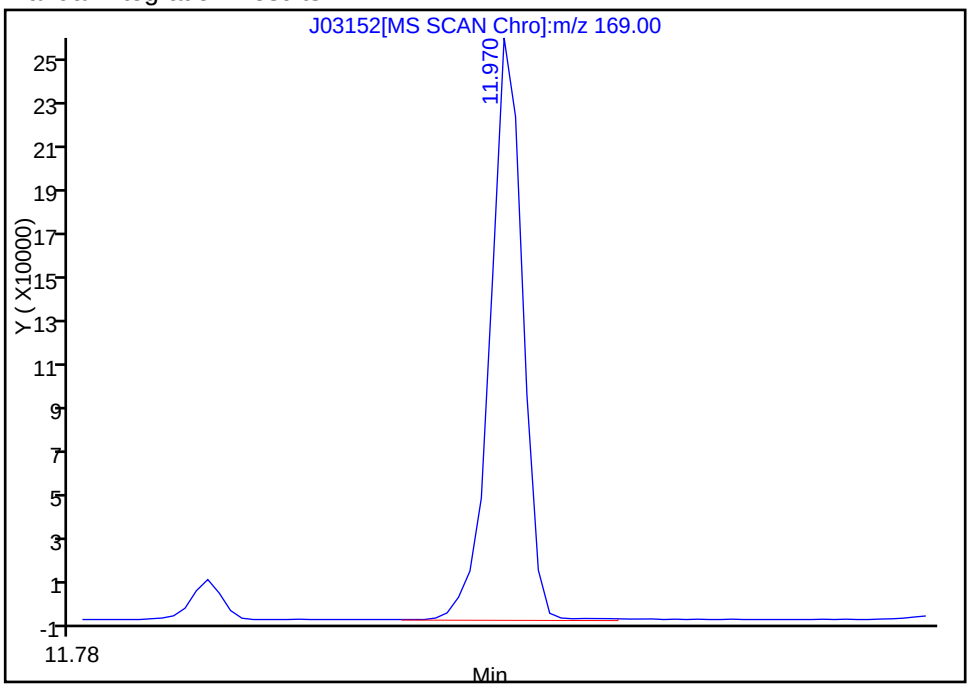
Processing Integration Results

RT: 11.99
Response: 800
Amount: 0.016346



Manual Integration Results

RT: 11.97
Response: 241529
Amount: 4.935172



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

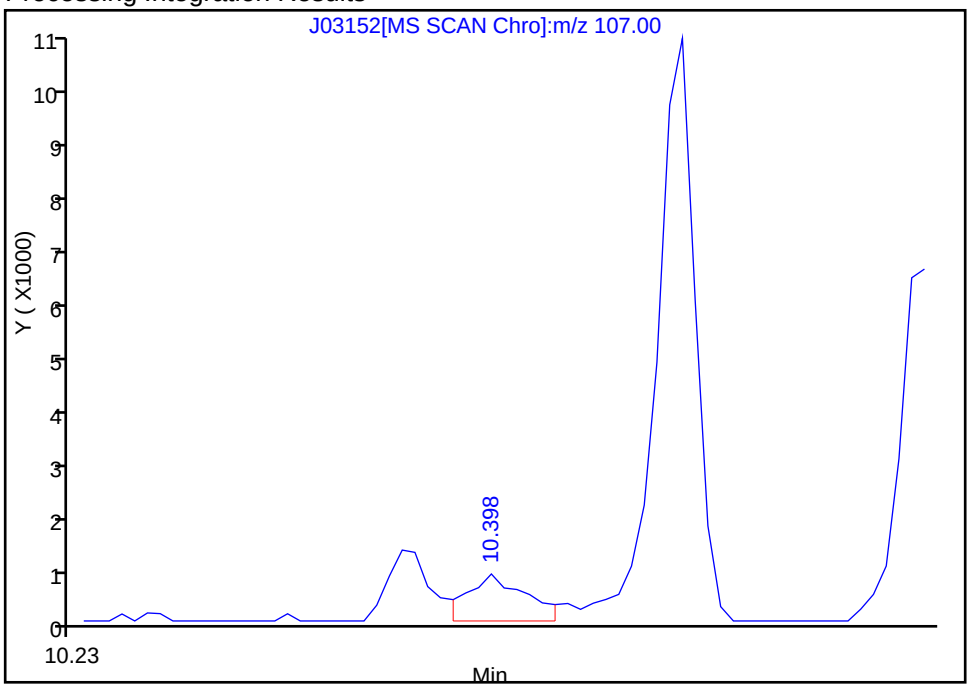
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

45 4-Chloro-3-methylphenol, Number: 1, m/z: 107 Type: quant, RT: 10.08

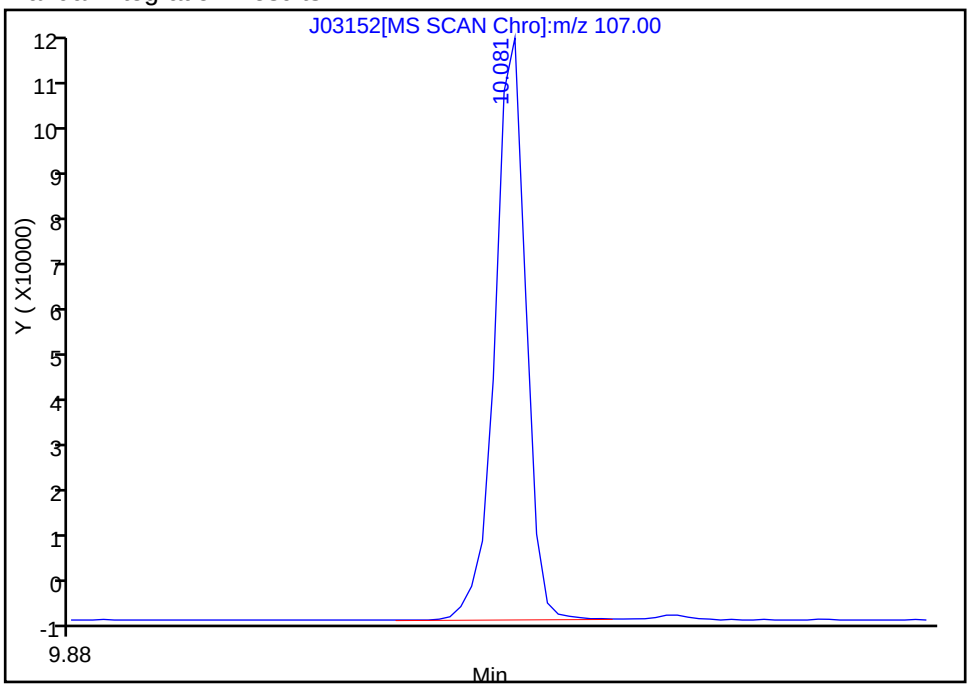
Processing Integration Results

RT: 10.40
Response: 1267
Amount: 0.059526



Manual Integration Results

RT: 10.08
Response: 113417
Amount: 5.328510



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 19.53

Processing Integration Results

Not Detected

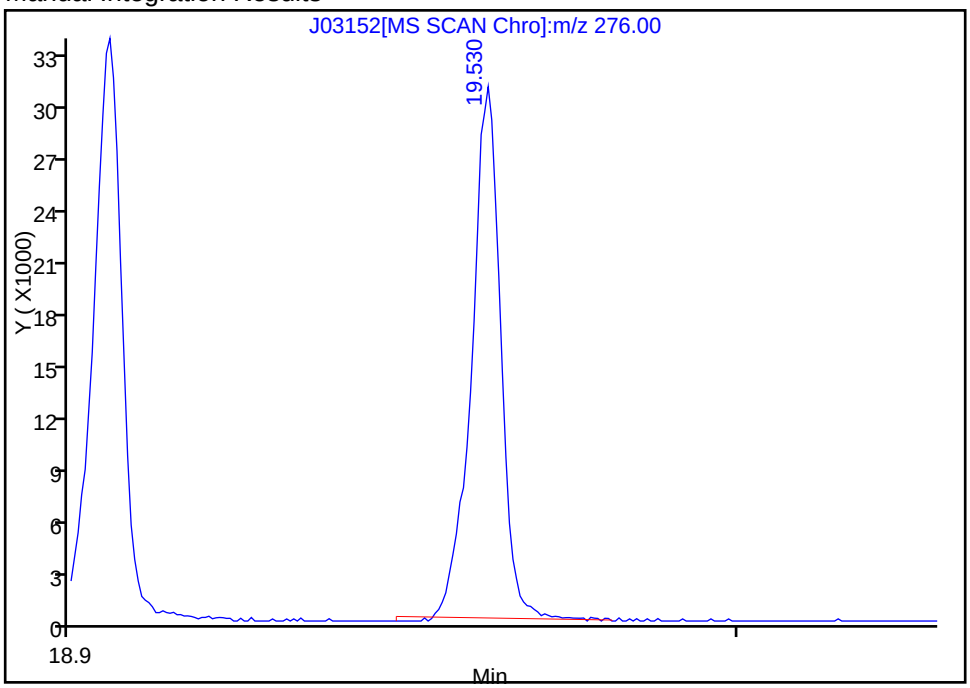
Expected RT: 19.53

Manual Integration Results

RT: 19.53

Response: 83435

Amount: 4.782832



Reviewer: rachtank, 27-Sep-2009 10:39:56

Audit Action: Manually Integrated

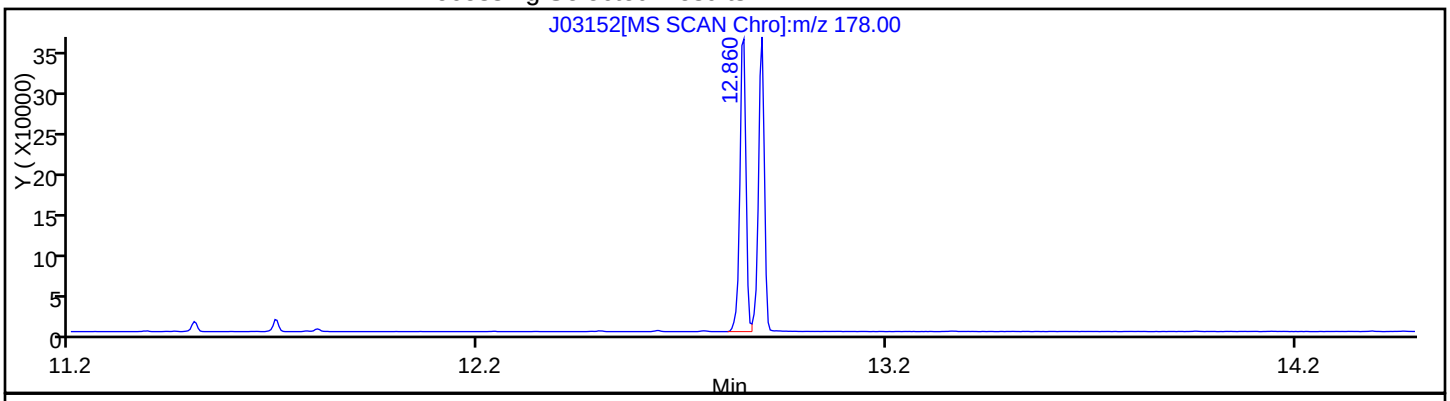
Audit Reason: Assign Peak

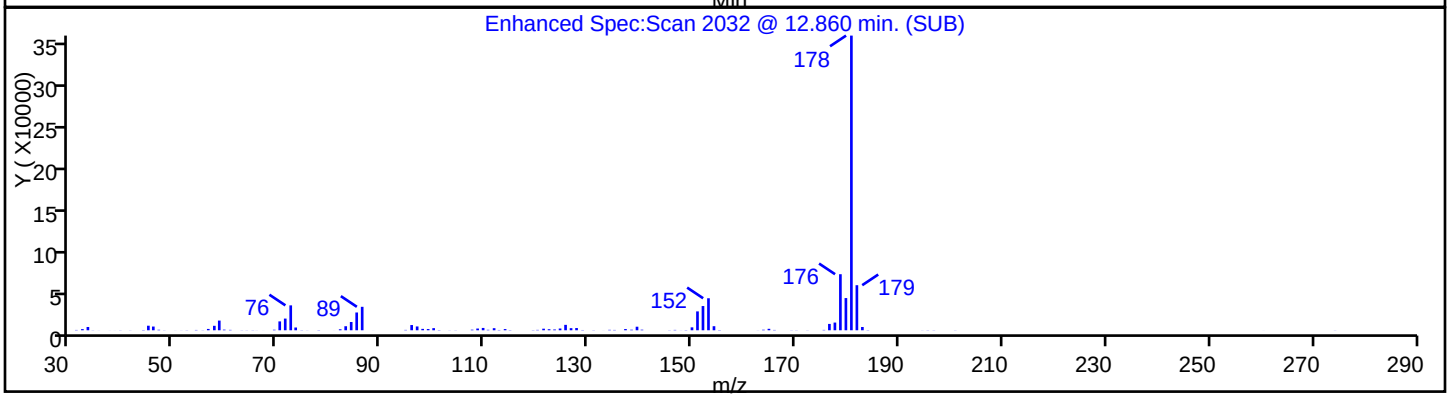
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

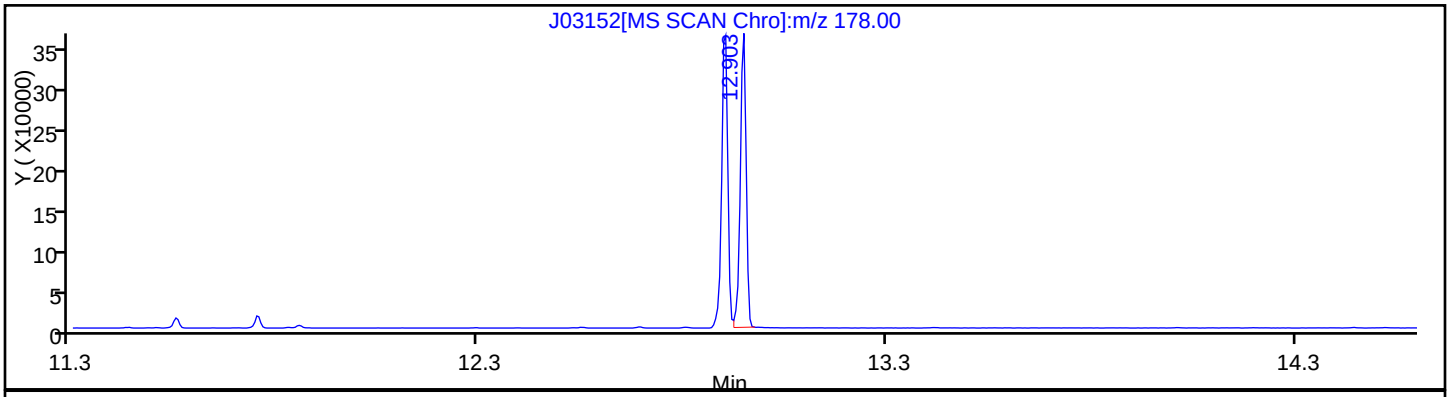
80 Phenanthrene

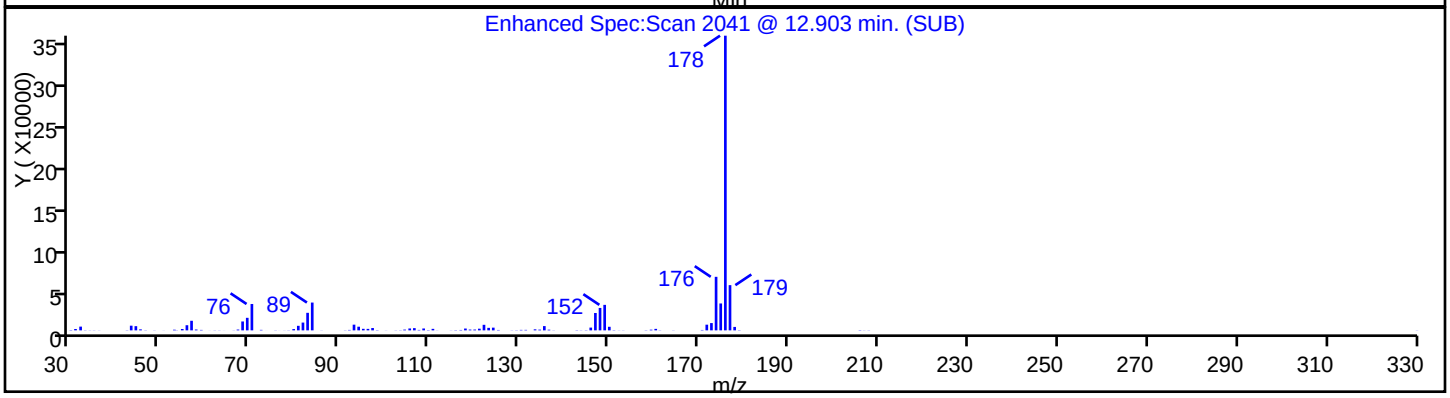
Processing Selected Results





Manual Selected Results





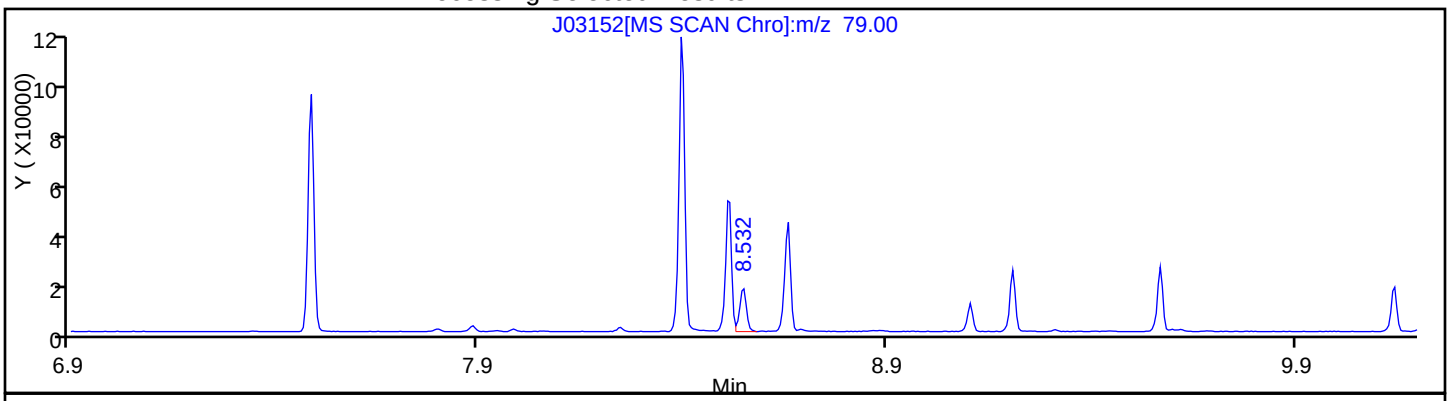
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

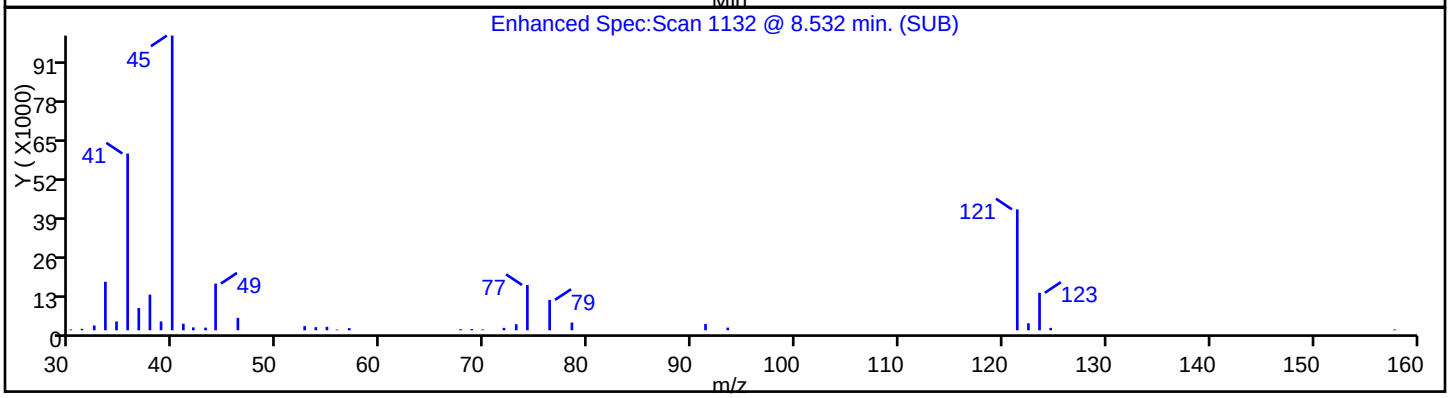
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

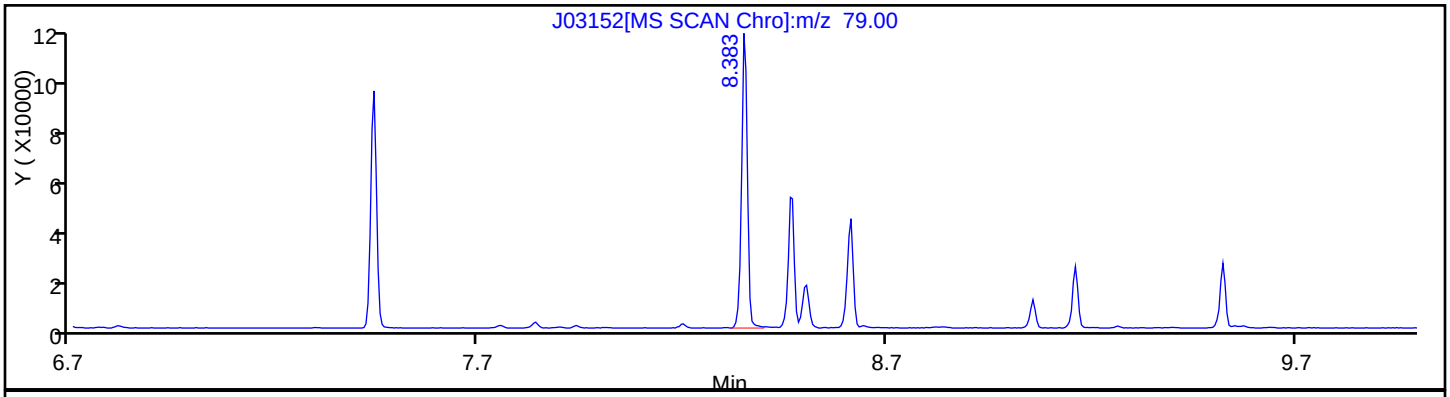
24 Benzyl alcohol

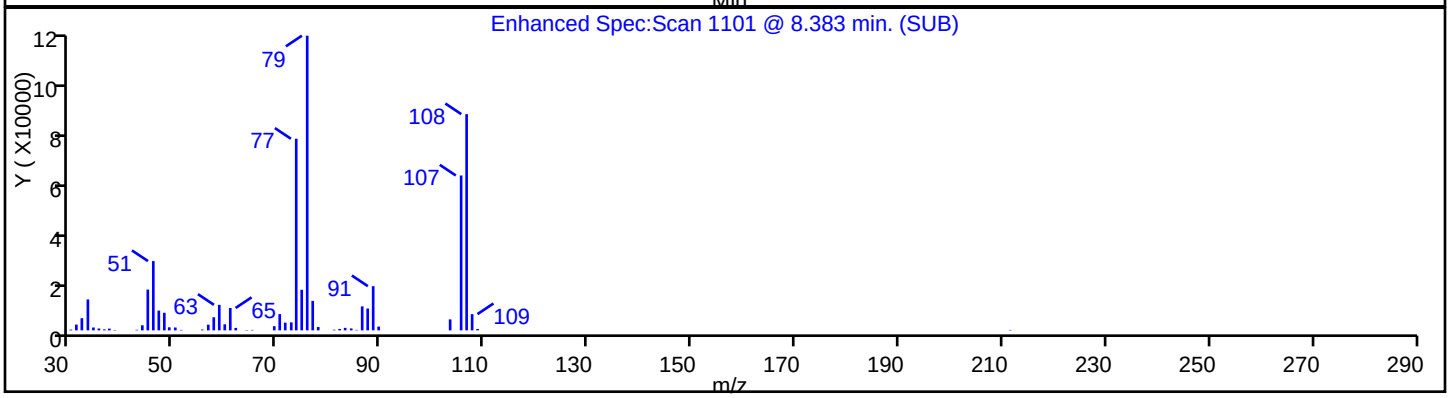
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

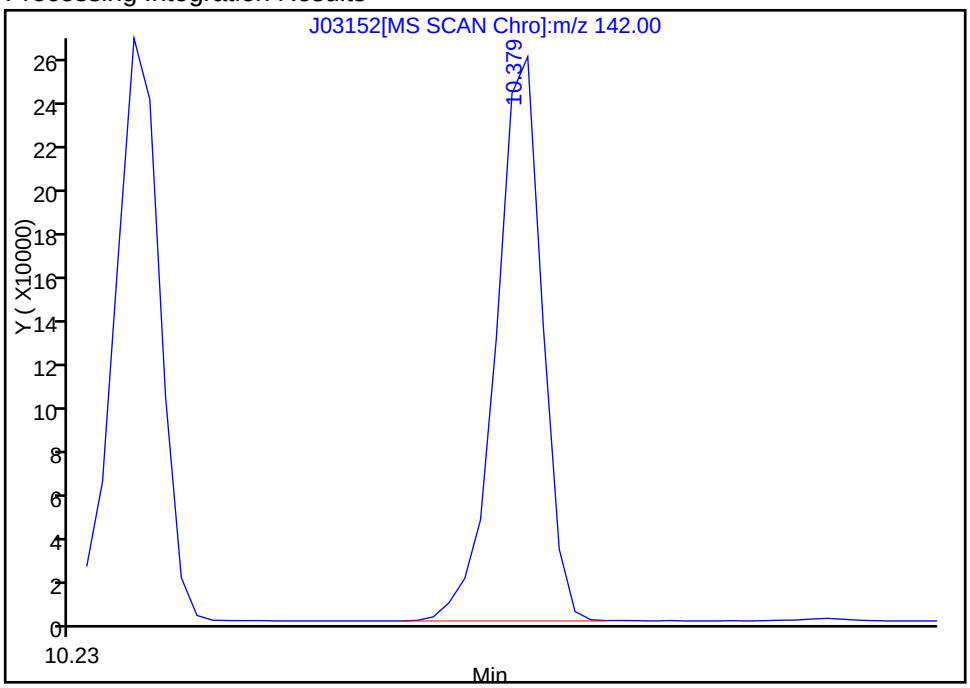
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

46 2-Methylnaphthalene, Number: 1, m/z: 142 Type: quant, RT: 10.26

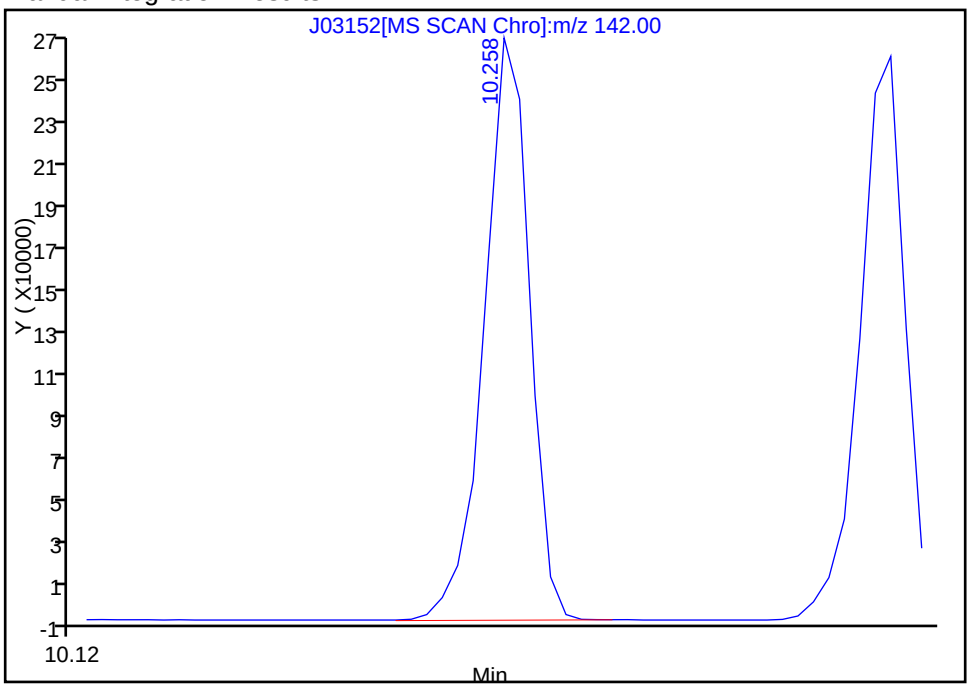
Processing Integration Results

RT: 10.38
Response: 253775
Amount: 4.822715



Manual Integration Results

RT: 10.26
Response: 261056
Amount: 4.961082



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

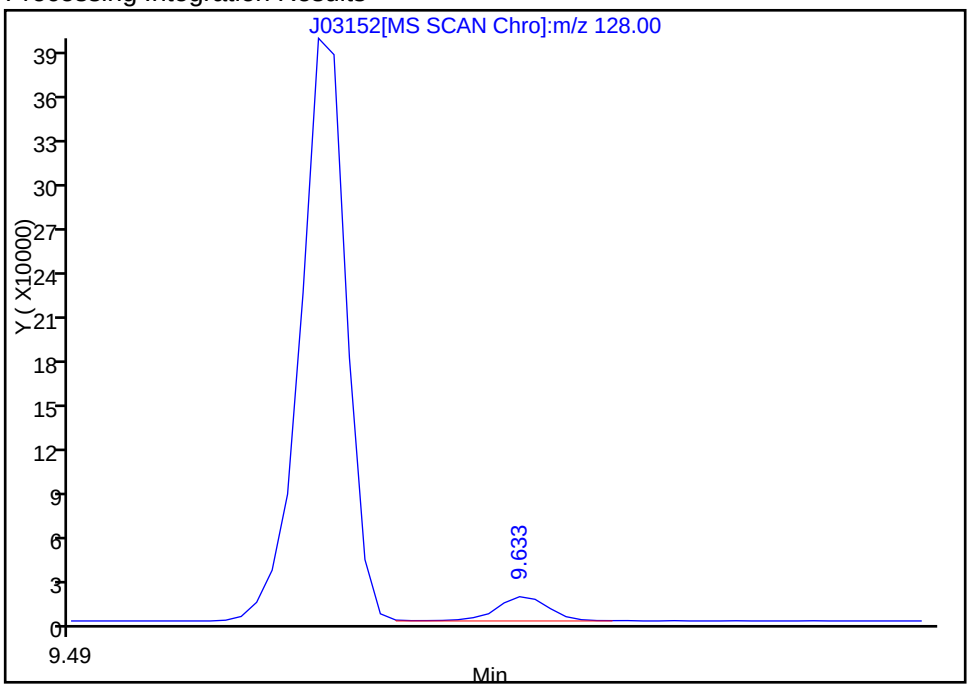
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

41 Naphthalene, Number: 1, m/z: 128 Type: quant, RT: 9.57

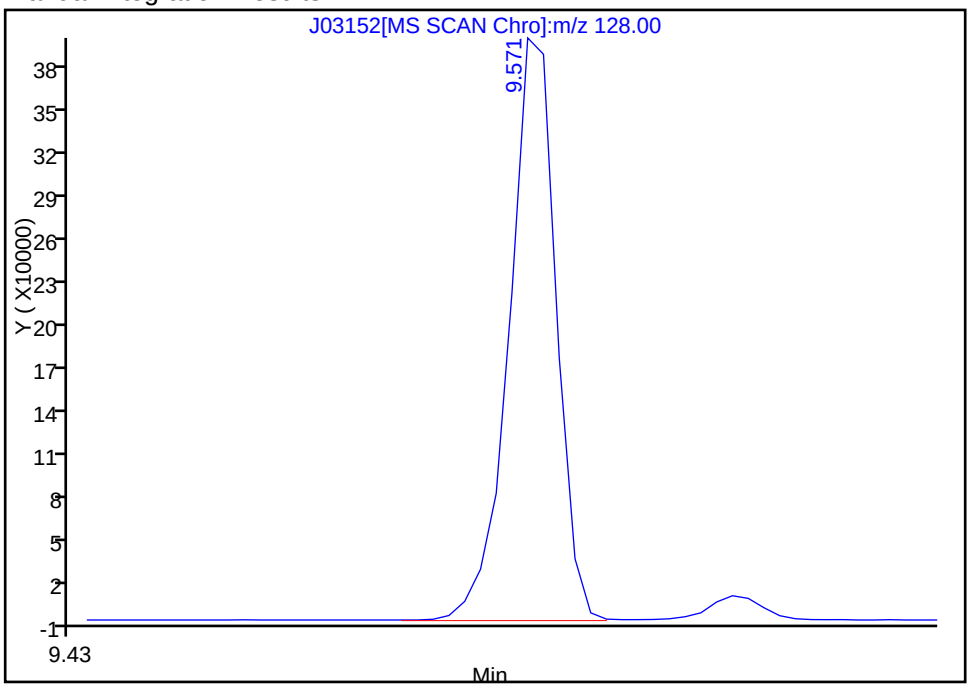
Processing Integration Results

RT: 9.63
Response: 18699
Amount: 0.222961



Manual Integration Results

RT: 9.57
Response: 391935
Amount: 4.673304



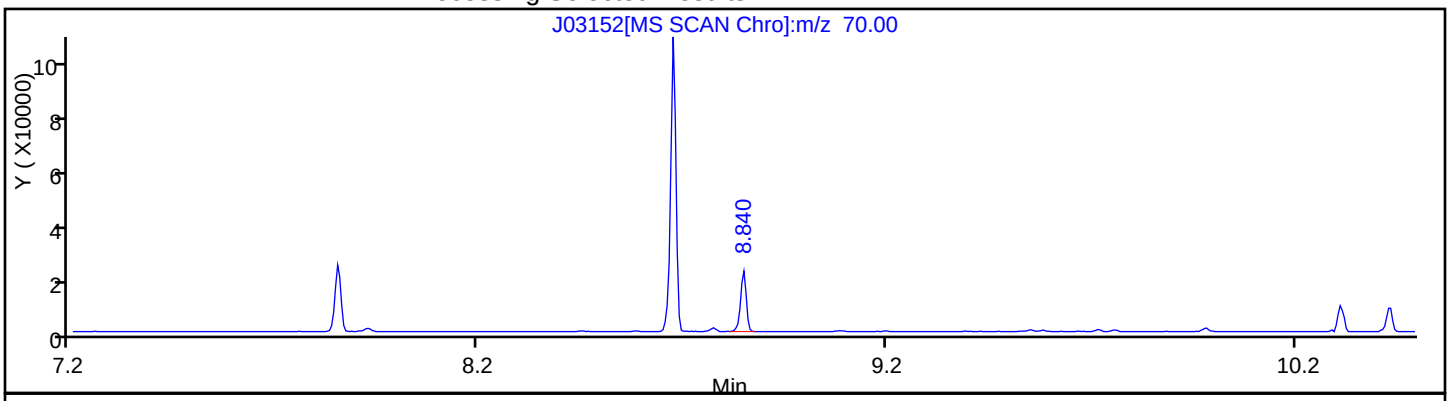
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

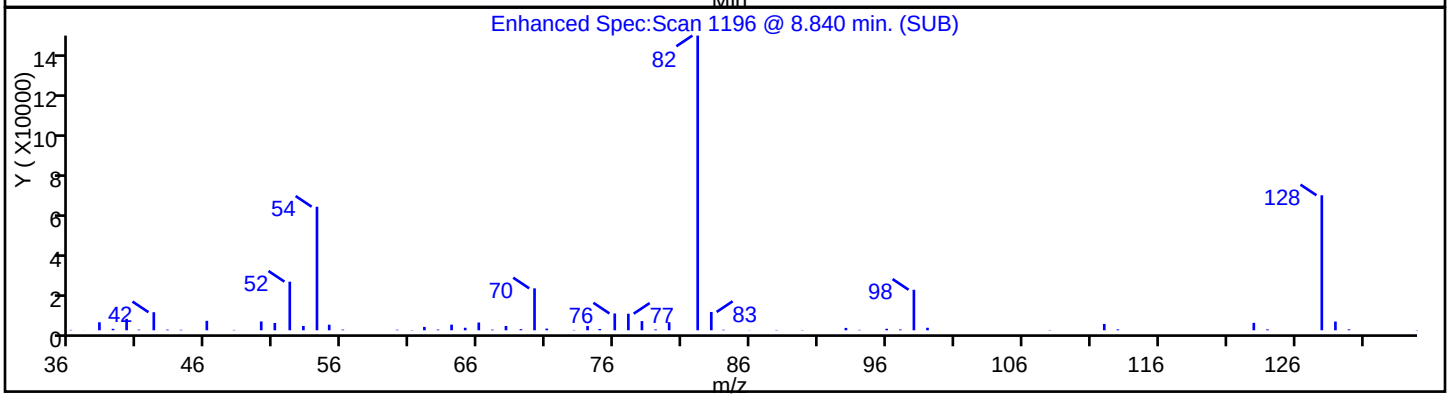
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

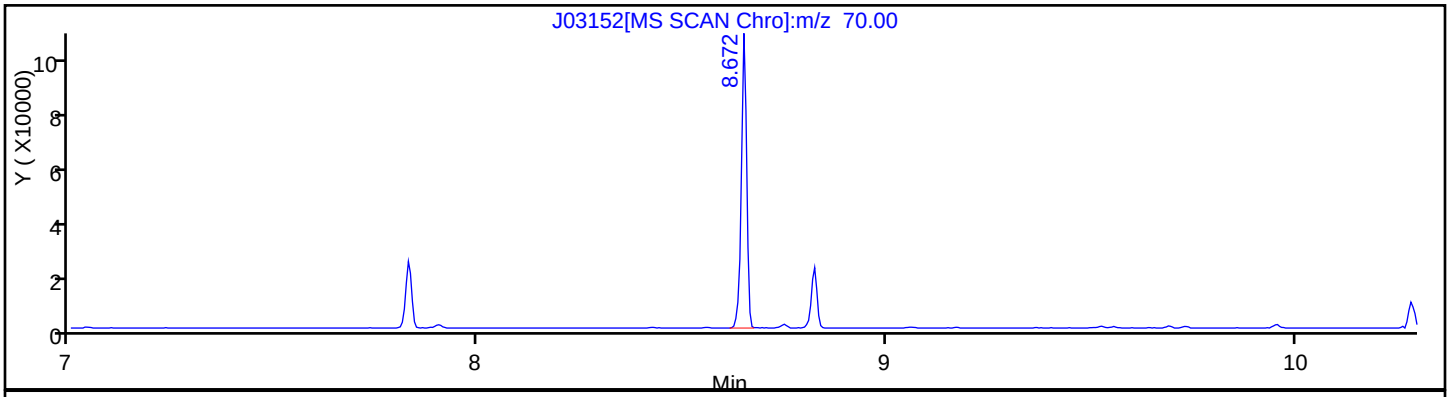
29 N-Nitrosodi-n-propylamine

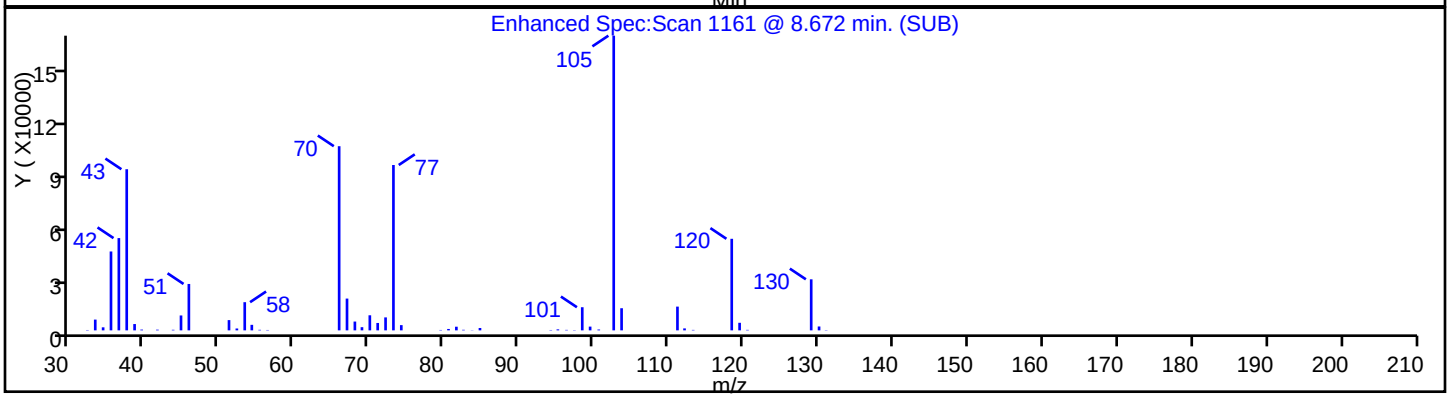
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

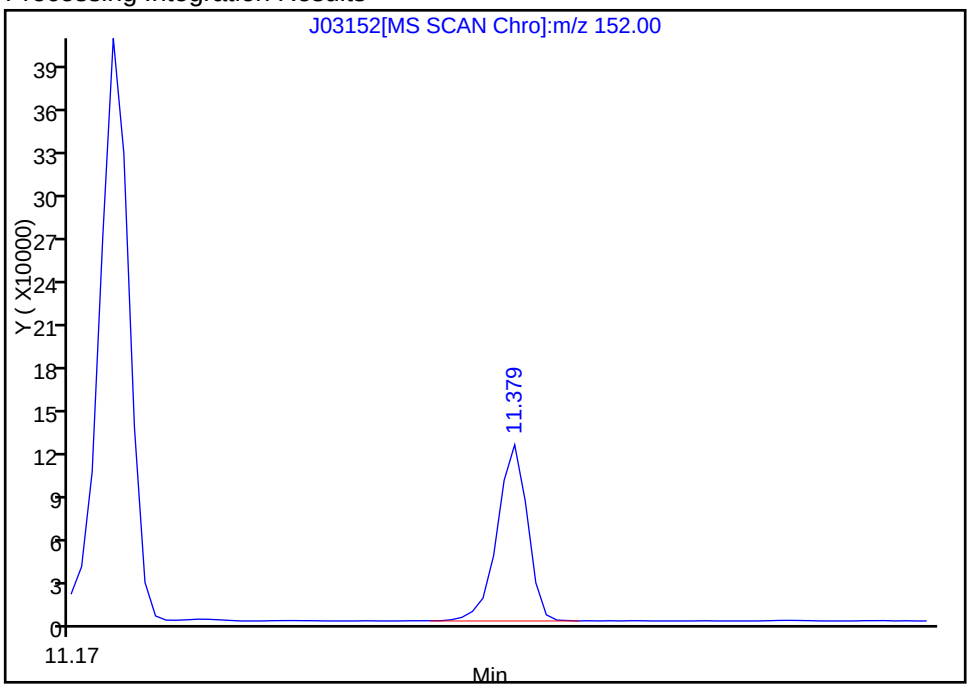
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

58 Acenaphthylene, Number: 1, m/z: 152 Type: quant, RT: 11.20

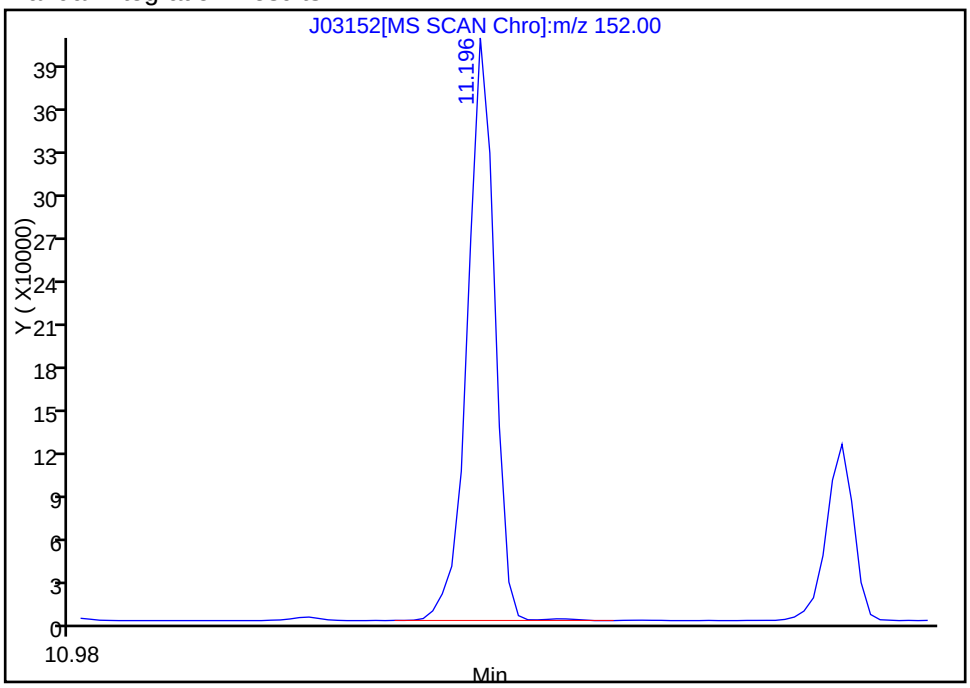
Processing Integration Results

RT: 11.38
Response: 117243
Amount: 1.494983



Manual Integration Results

RT: 11.20
Response: 384239
Amount: 4.899490



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

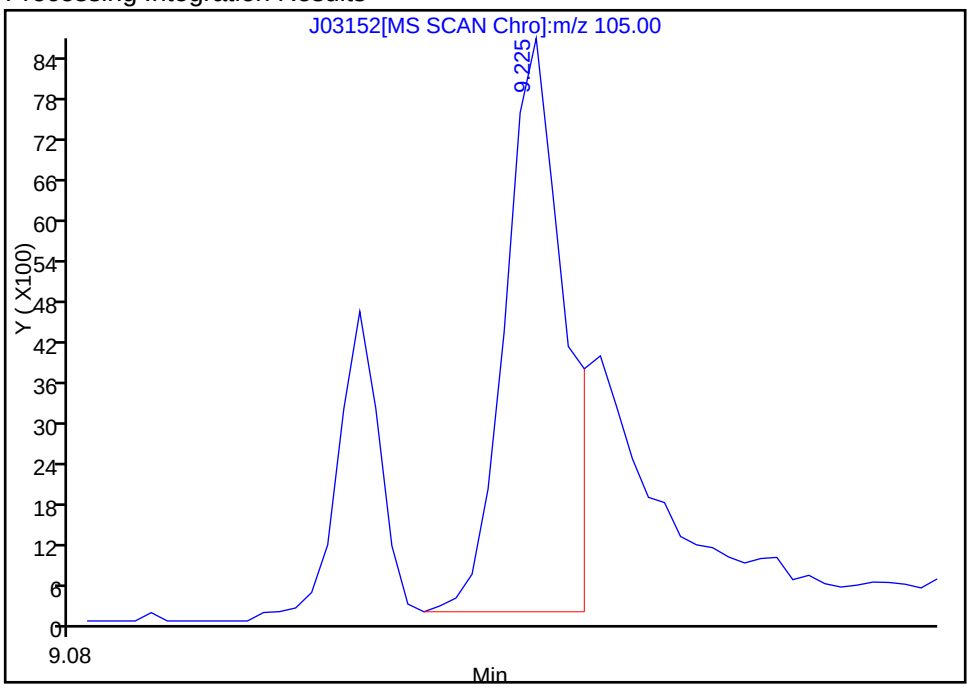
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.22

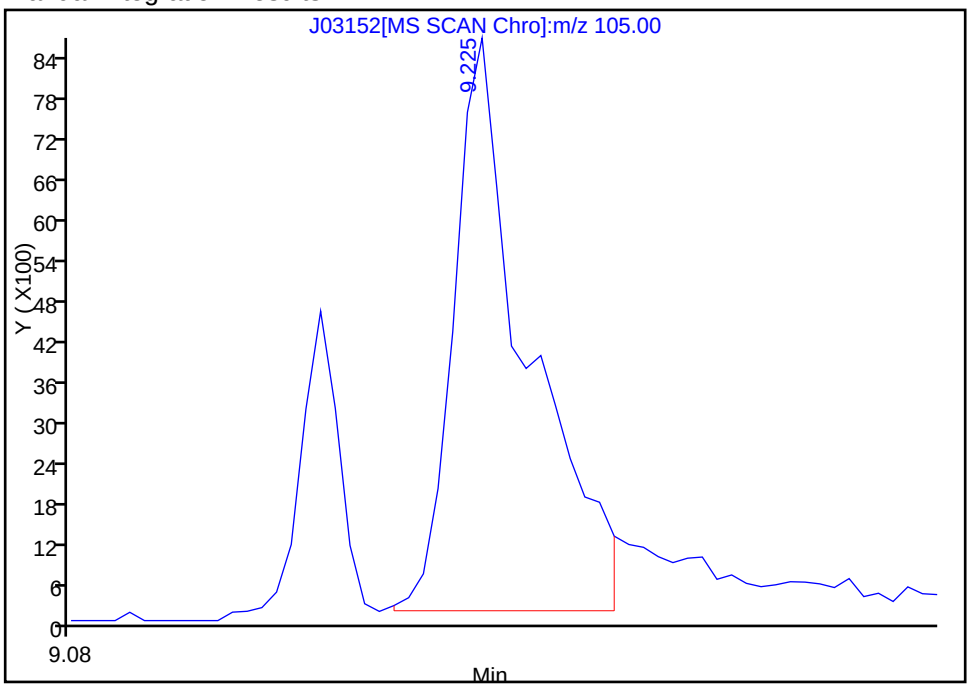
Processing Integration Results

RT: 9.22
Response: 10609
Amount: 3.212832



Manual Integration Results

RT: 9.22
Response: 14492
Amount: 4.000010



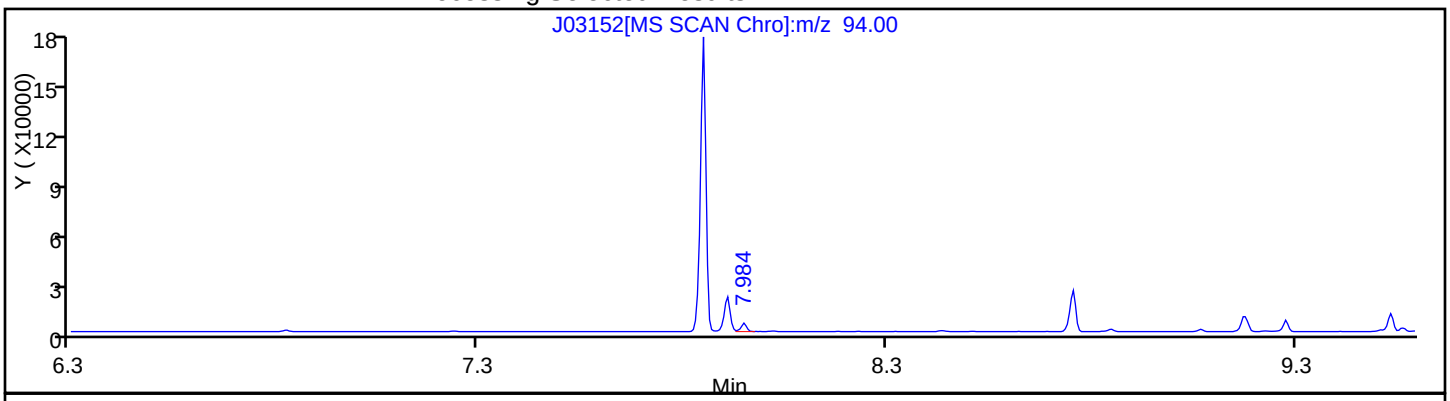
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

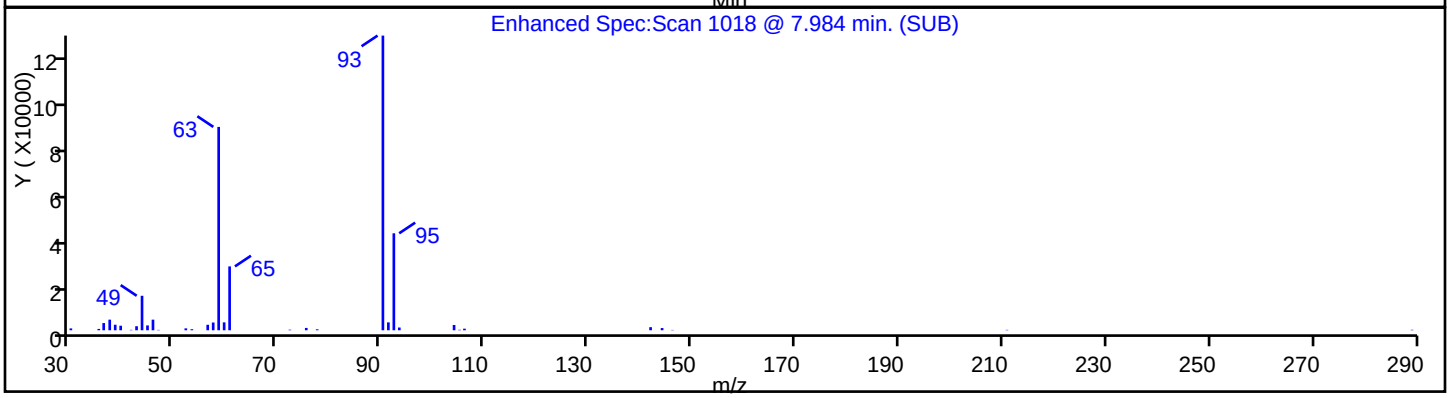
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

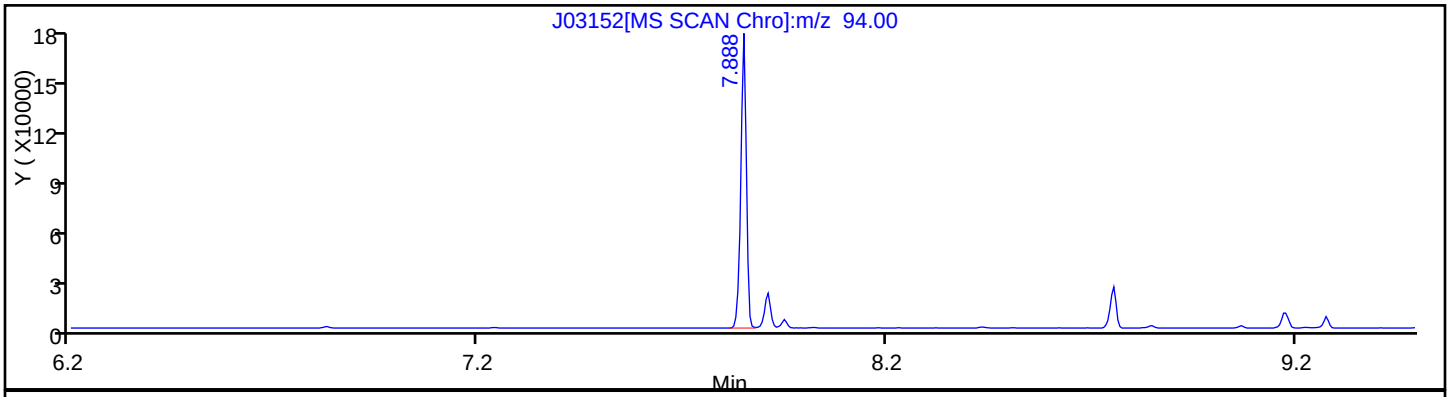
18 Phenol

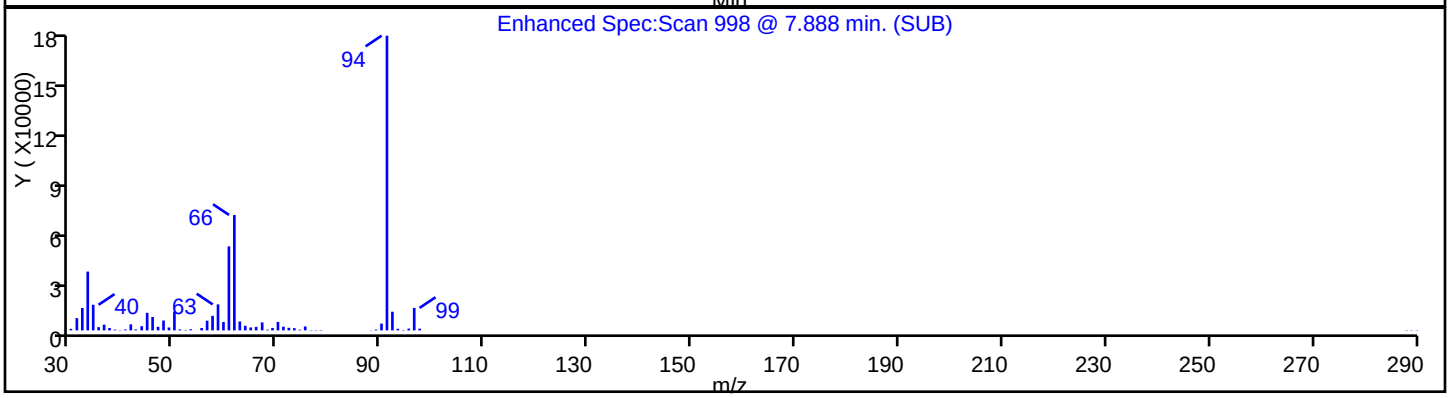
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

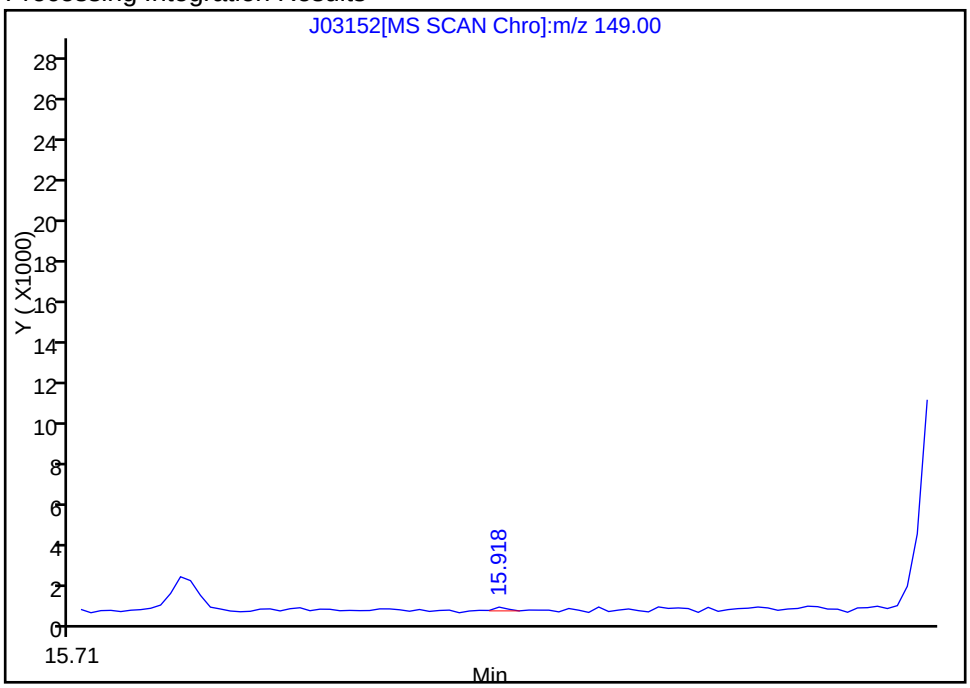
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 16.14

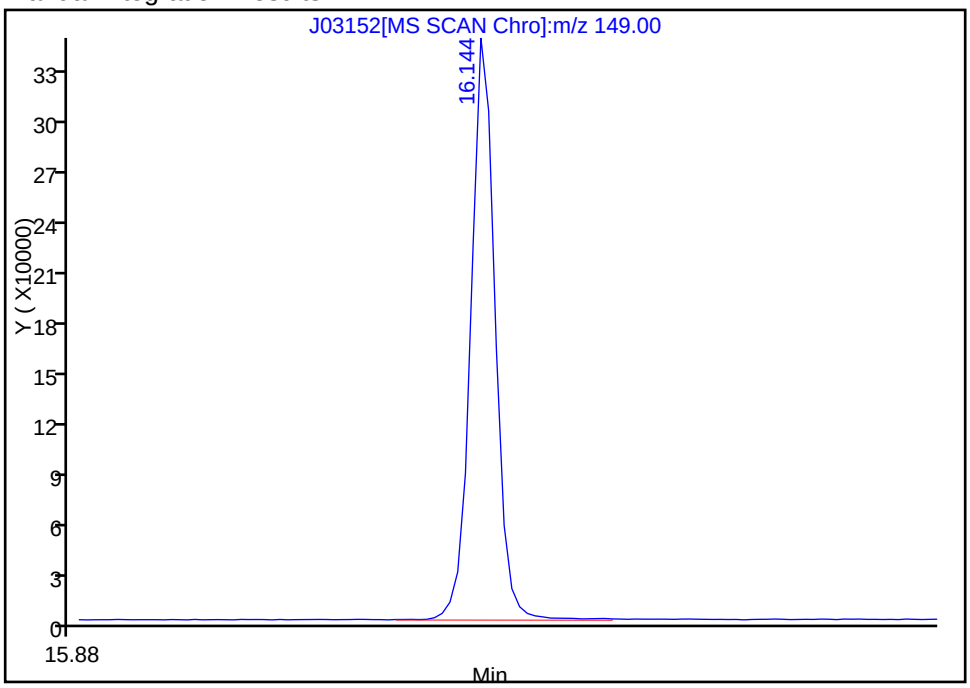
Processing Integration Results

RT: 15.92
Response: 83
Amount: 0.444410



Manual Integration Results

RT: 16.14
Response: 363969
Amount: 5.211026



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

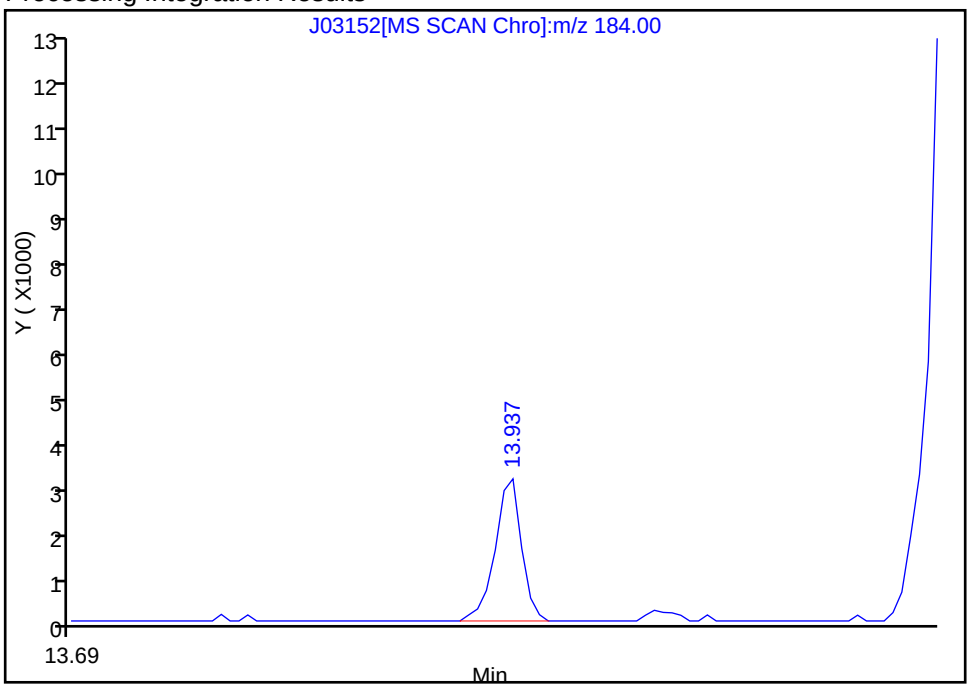
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

86 Benzidine, Number: 1, m/z: 184 Type: quant, RT: 14.18

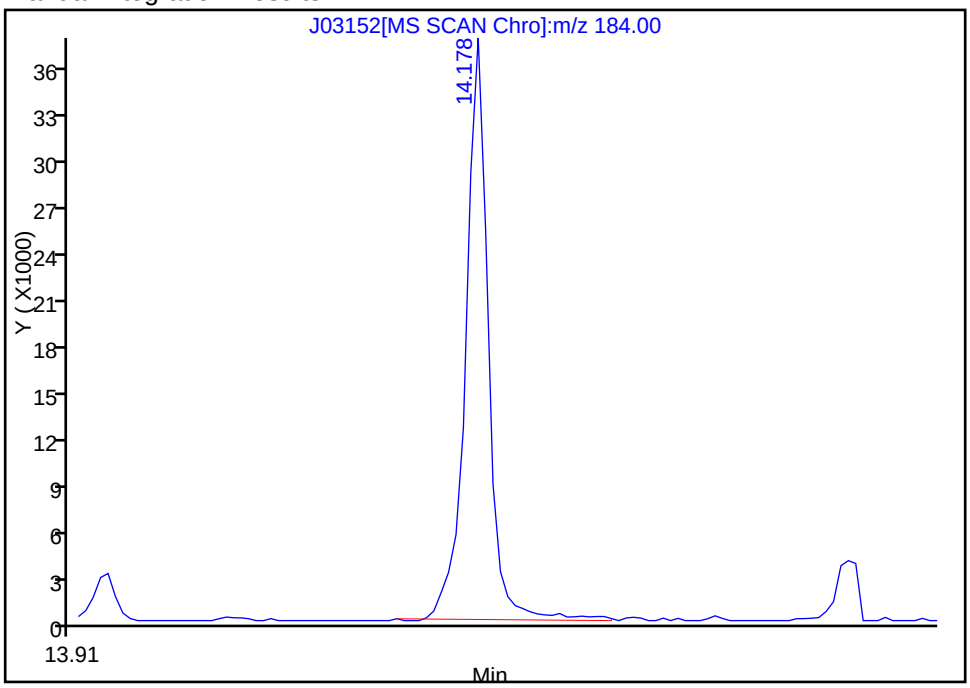
Processing Integration Results

RT: 13.94
Response: 3030
Amount: 0.594190



Manual Integration Results

RT: 14.18
Response: 38187
Amount: 3.072770



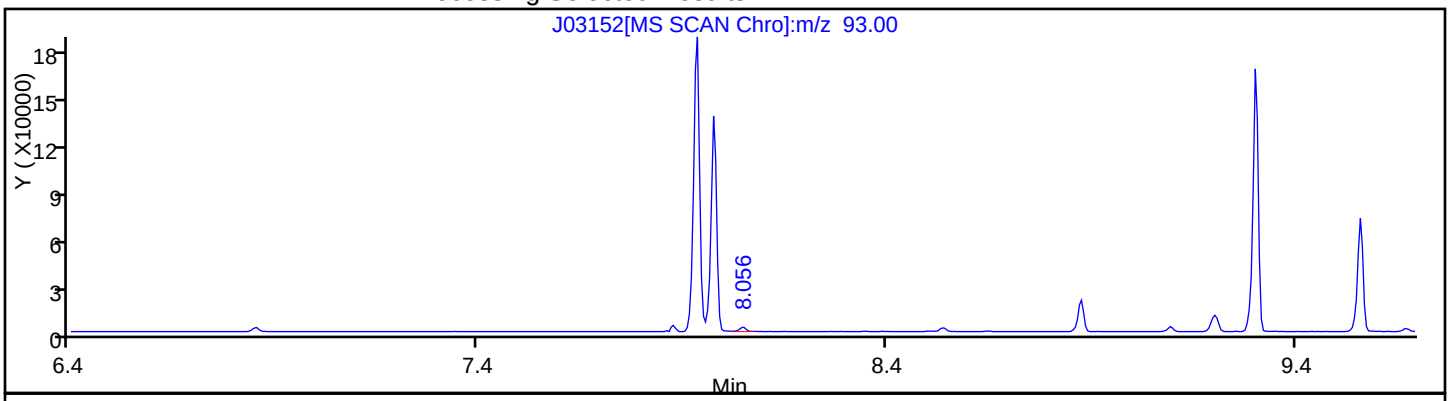
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

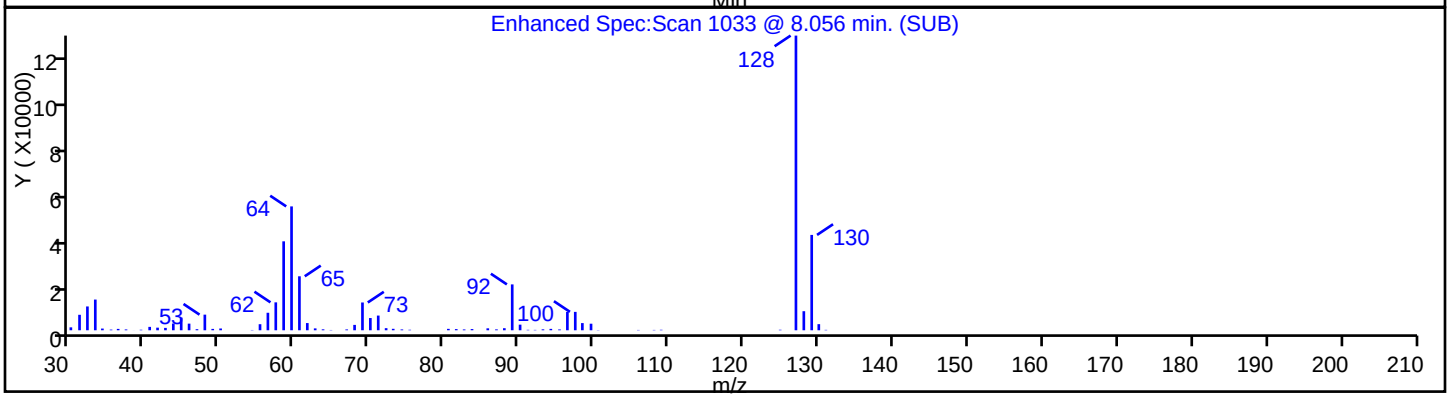
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

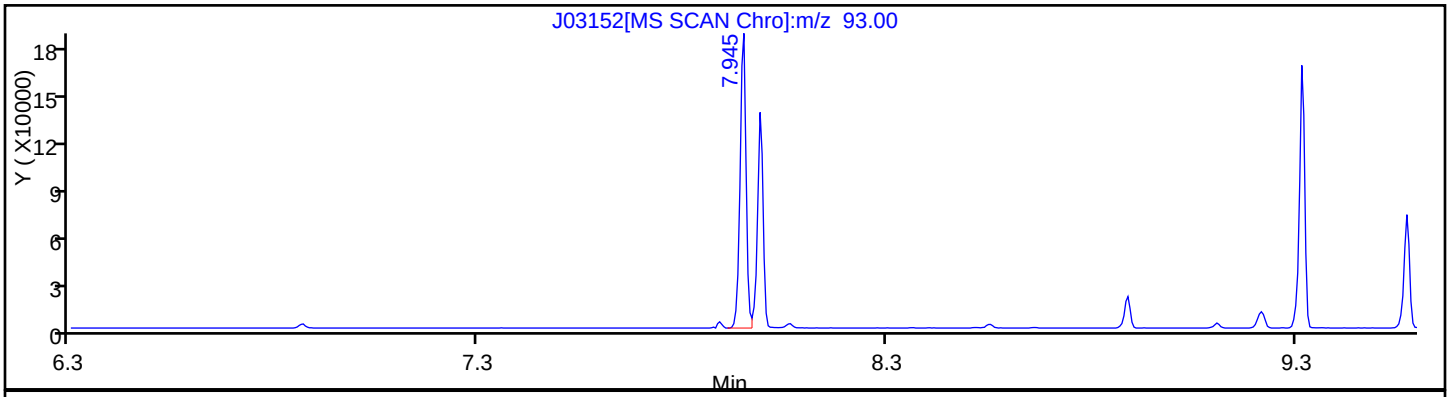
19 Aniline

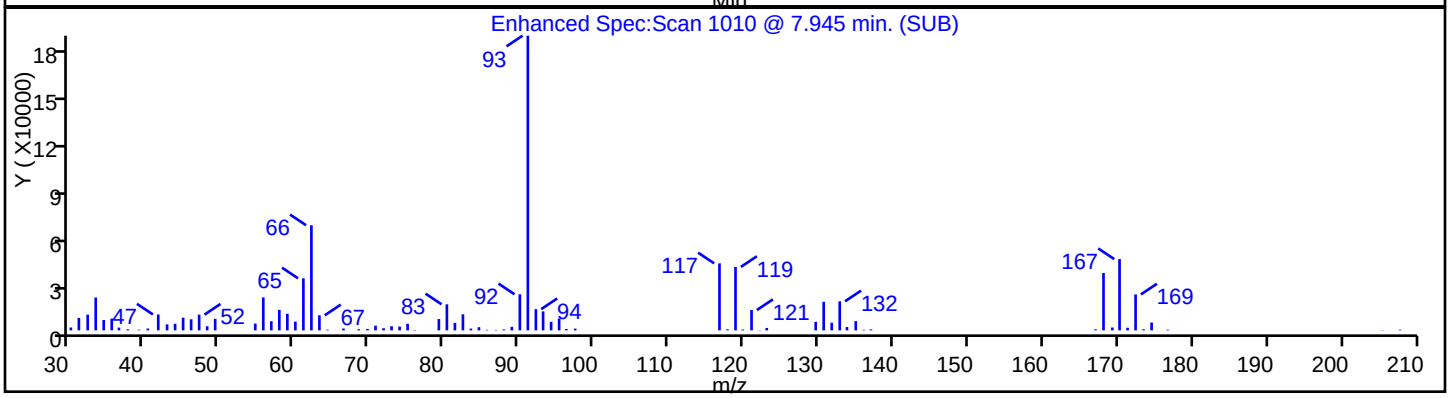
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

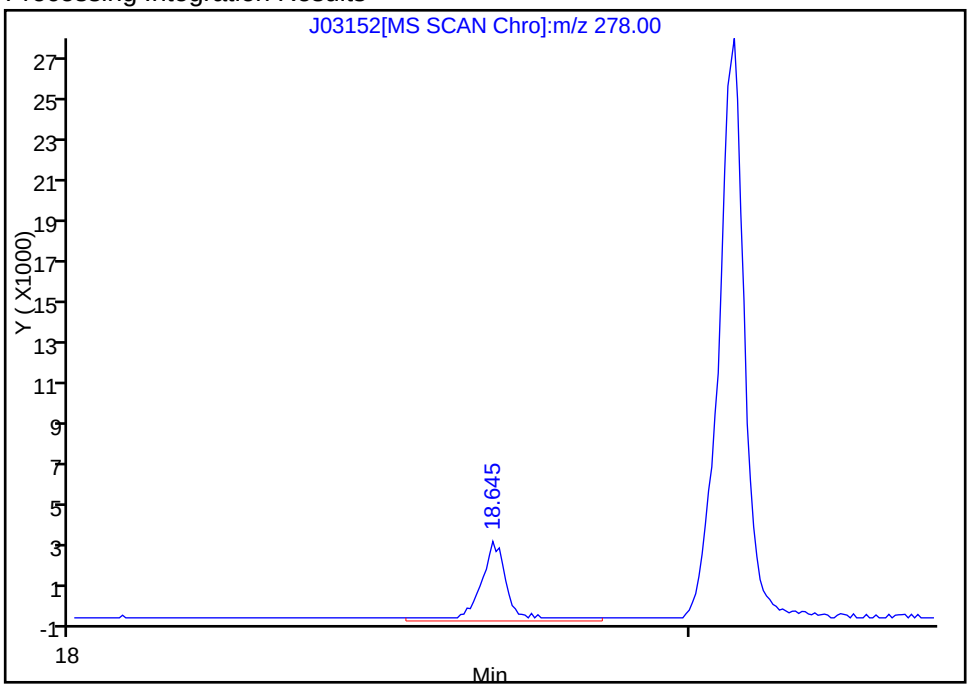
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 19.01

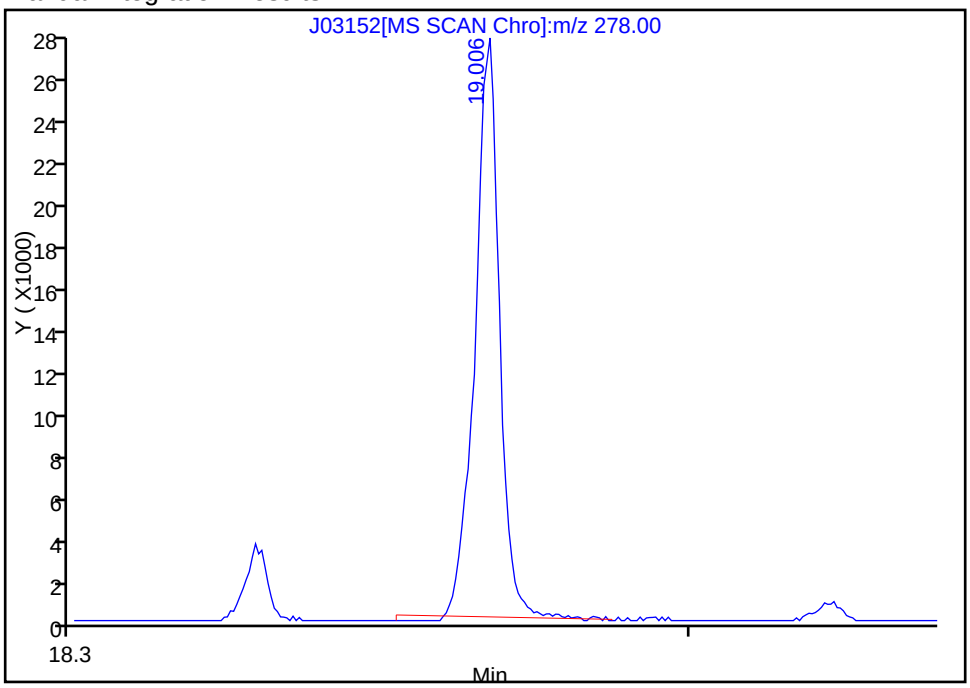
Processing Integration Results

RT: 18.65
Response: 11018
Amount: 1.086679



Manual Integration Results

RT: 19.01
Response: 70038
Amount: 5.070652



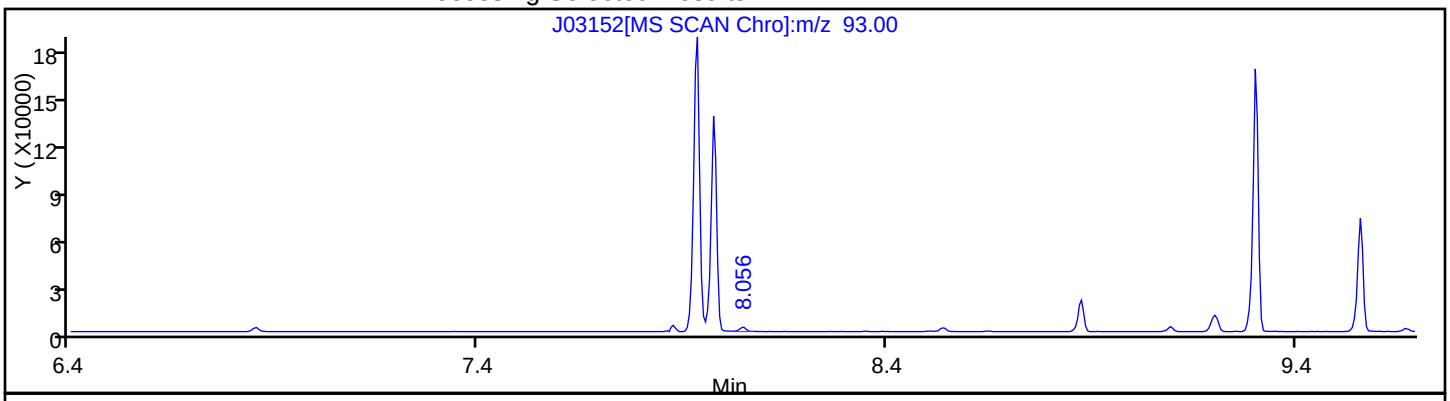
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

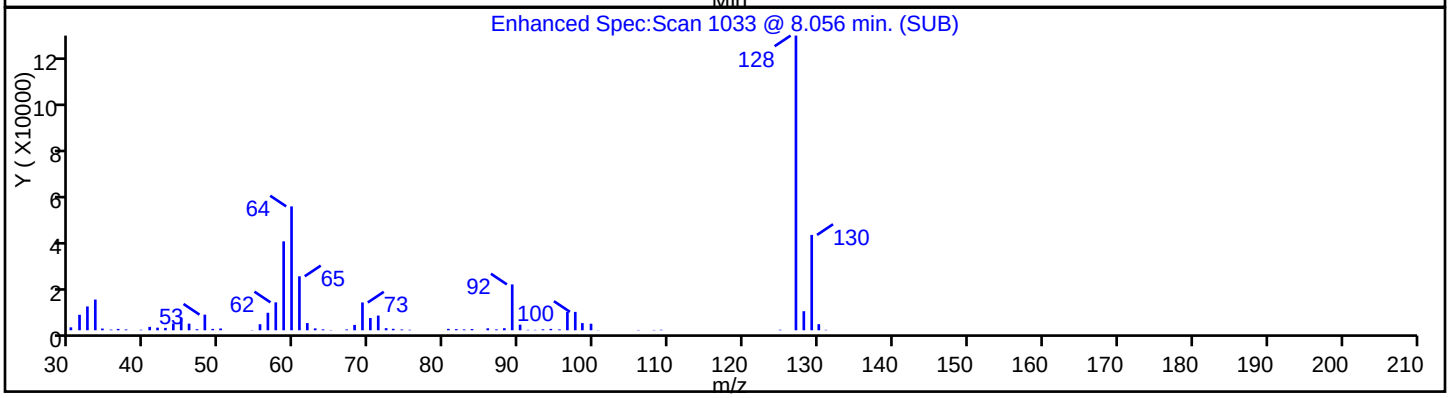
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

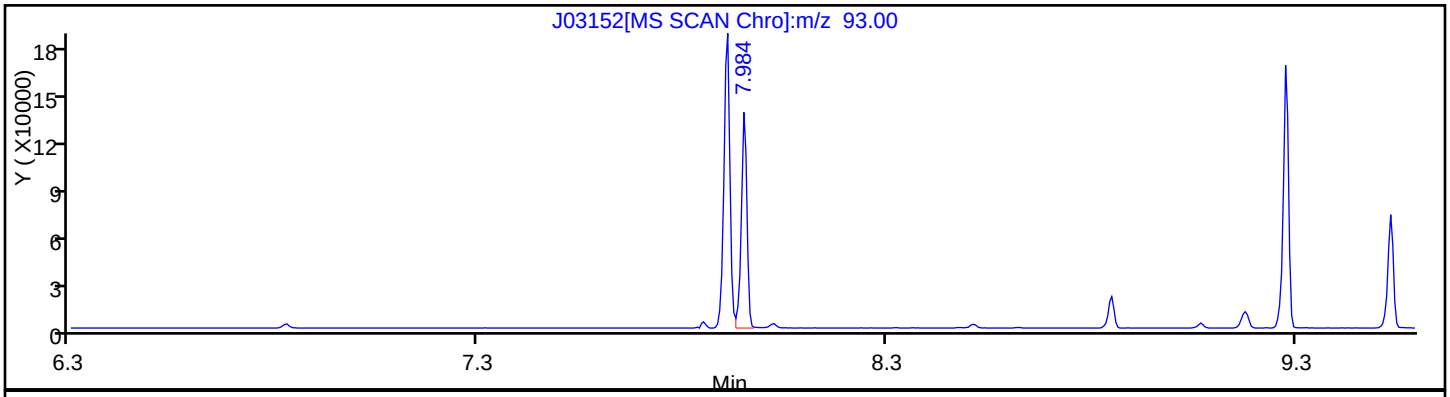
20 Bis(2-chloroethyl)ether

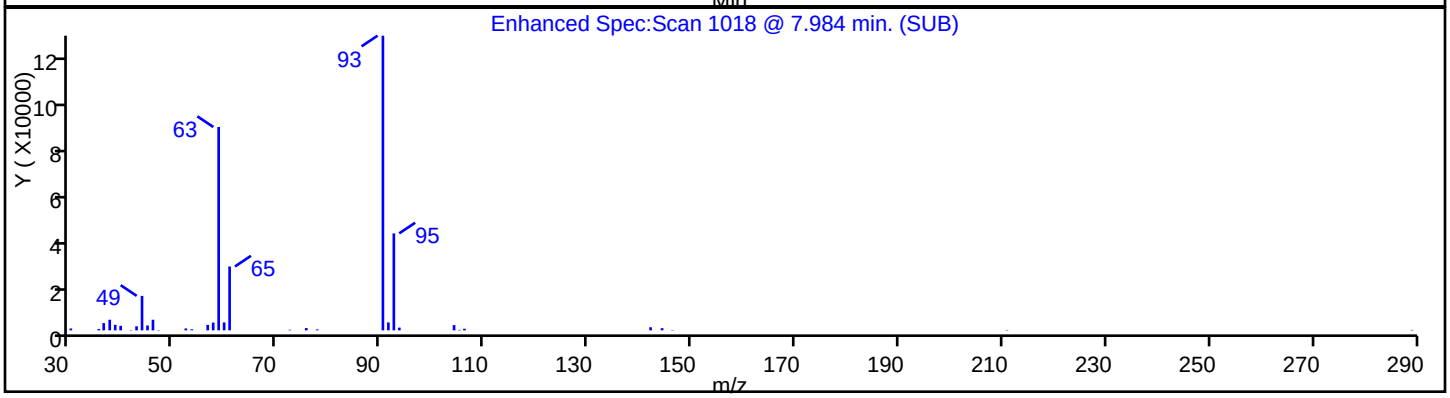
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

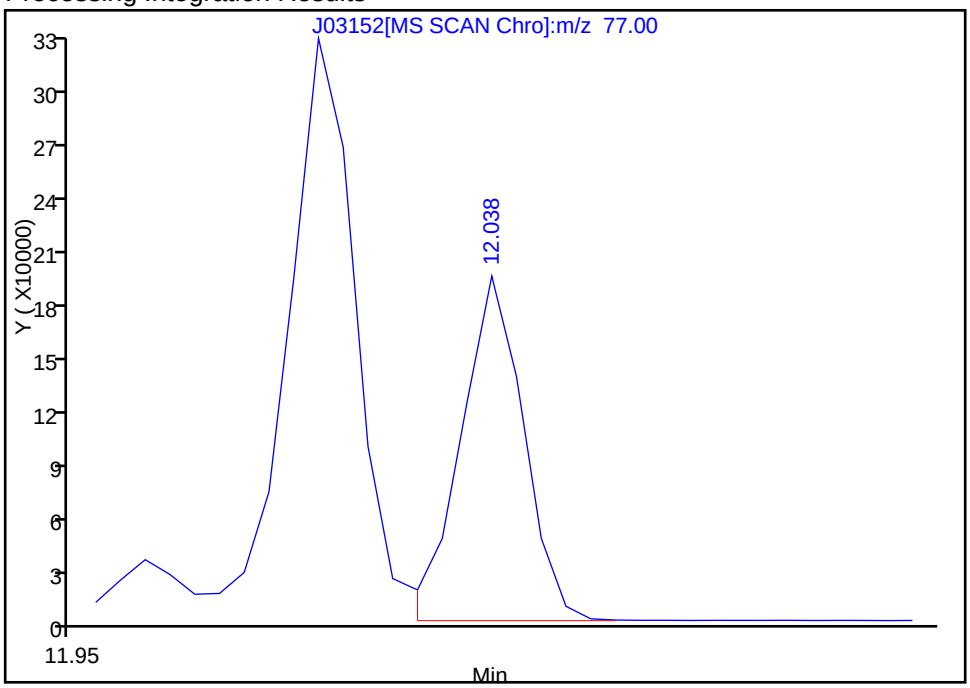
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

73 1,2-Diphenylhydrazine, Number: 1, m/z: 77 Type: quant, RT: 12.00

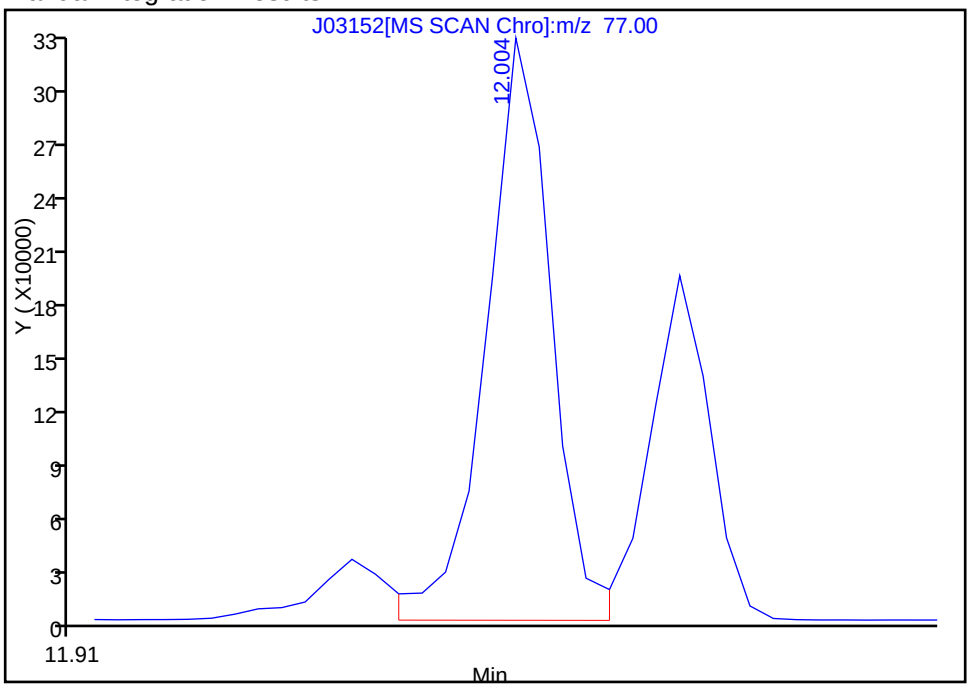
Processing Integration Results

RT: 12.04
Response: 166251
Amount: 2.838702



Manual Integration Results

RT: 12.00
Response: 306058
Amount: 5.225879



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

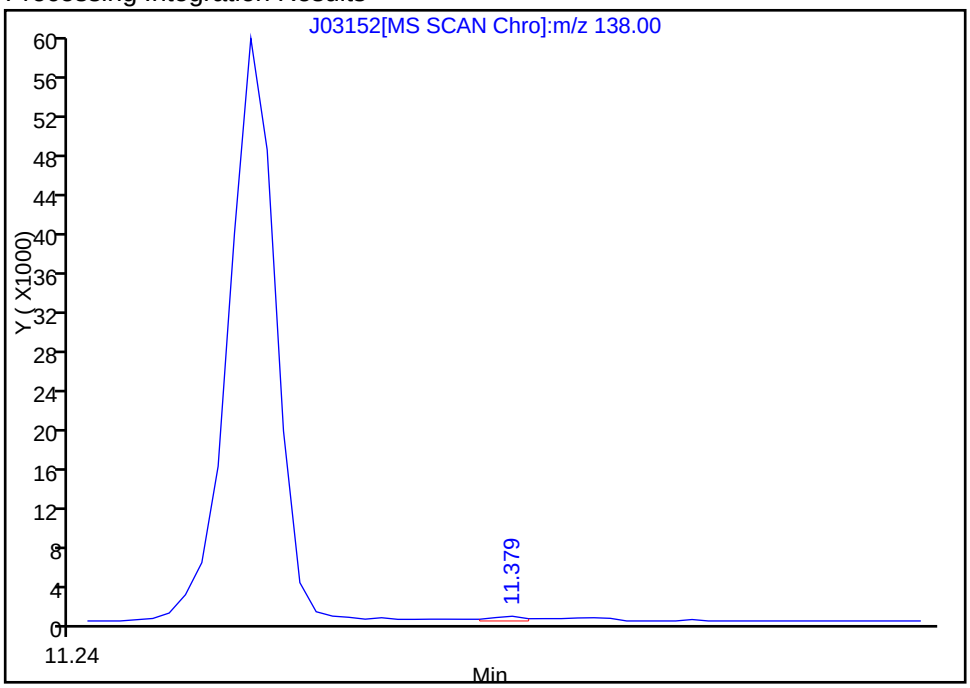
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

59 3-Nitroaniline, Number: 1, m/z: 138 Type: quant, RT: 11.30

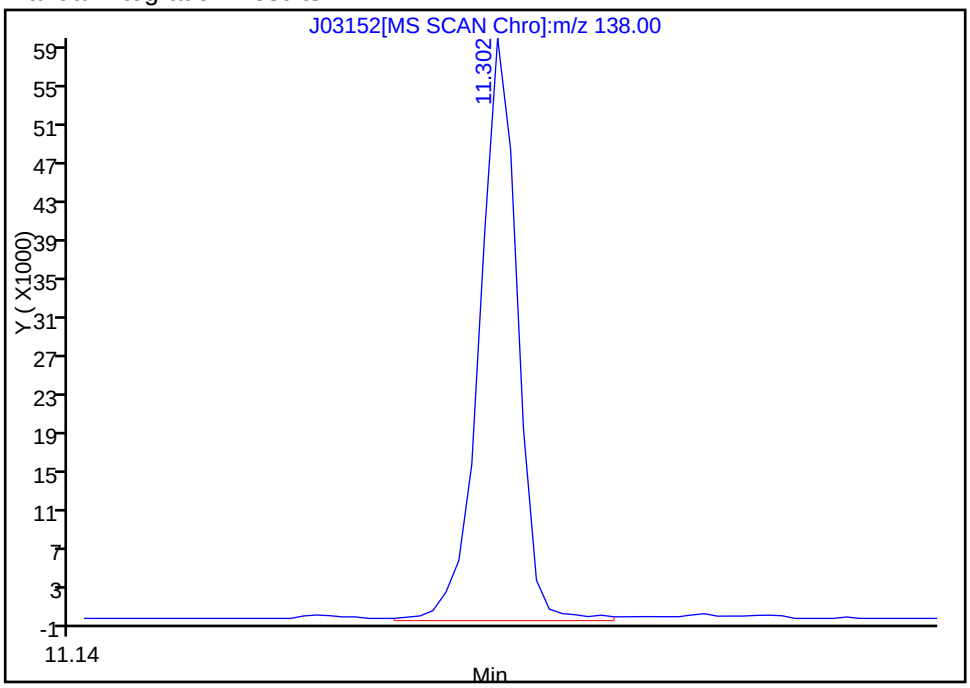
Processing Integration Results

RT: 11.38
Response: 353
Amount: 0.095584



Manual Integration Results

RT: 11.30
Response: 58126
Amount: 4.120148



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

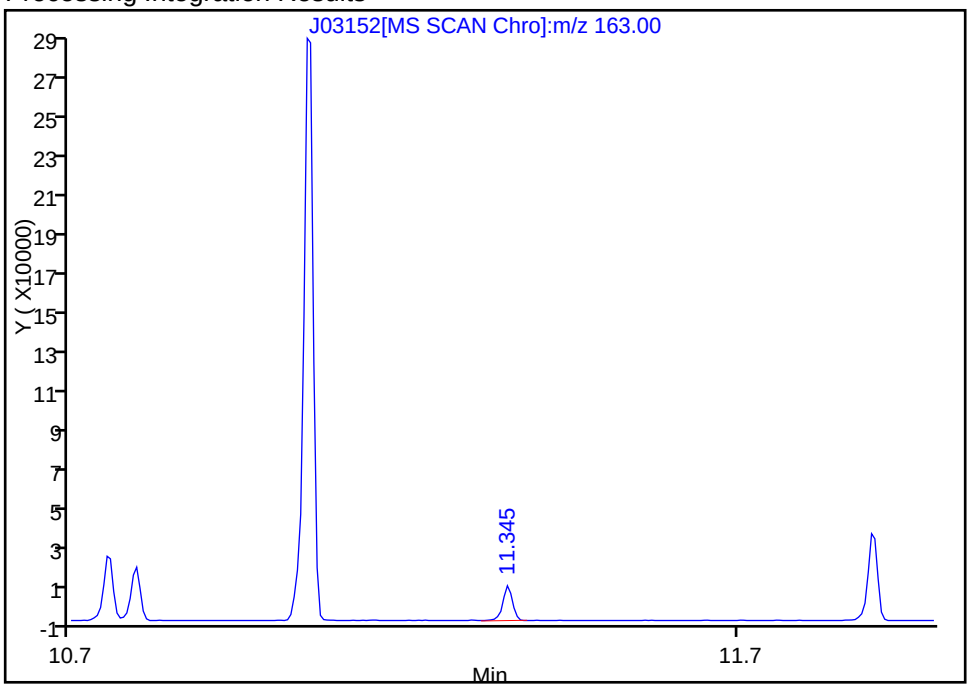
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

56 Dimethyl phthalate, Number: 1, m/z: 163 Type: quant, RT: 11.05

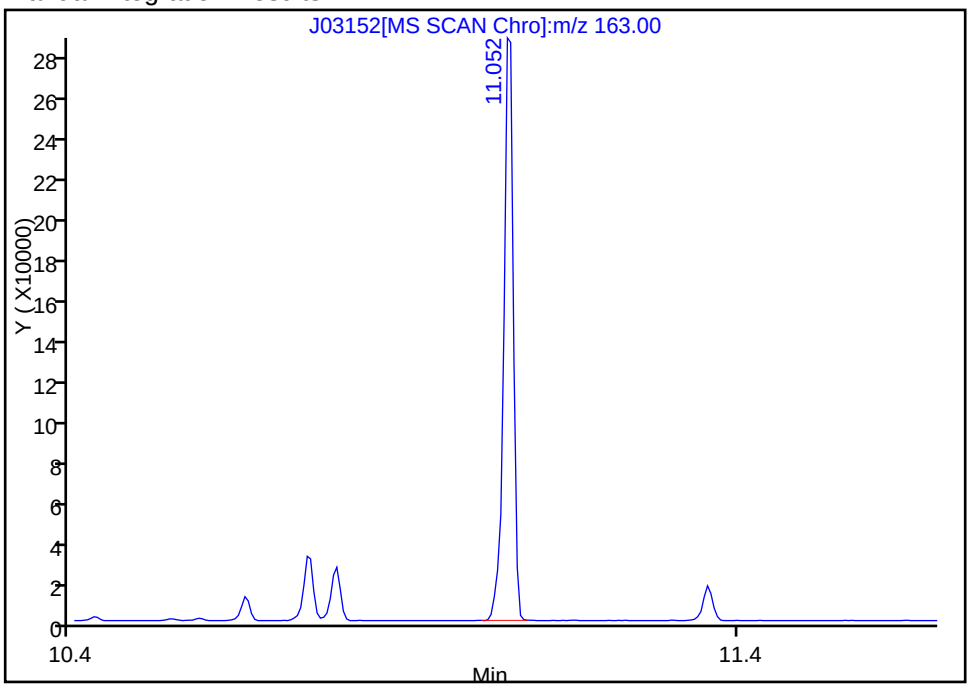
Processing Integration Results

RT: 11.35
Response: 17217
Amount: 0.294232



Manual Integration Results

RT: 11.05
Response: 281714
Amount: 4.814391



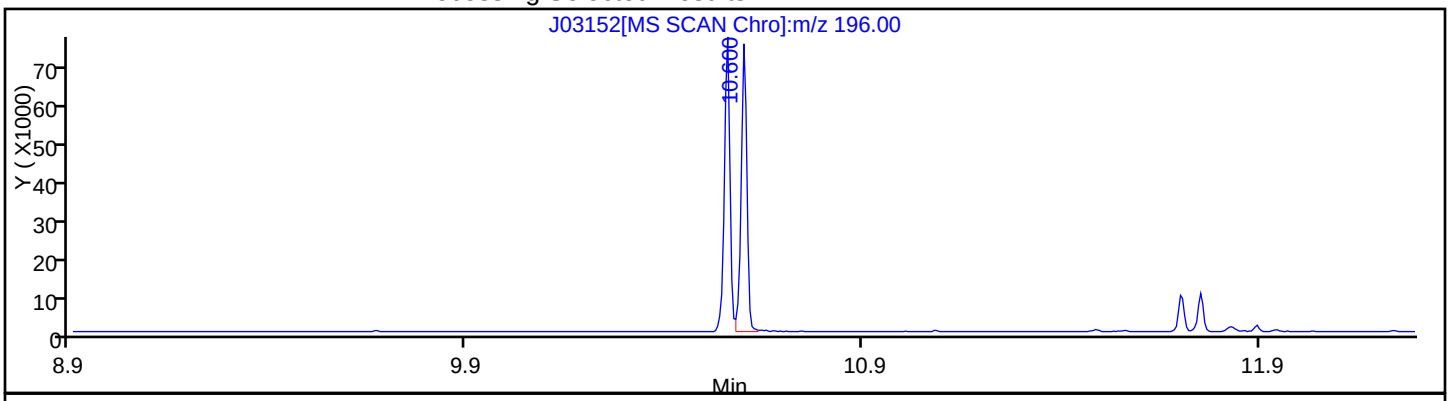
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

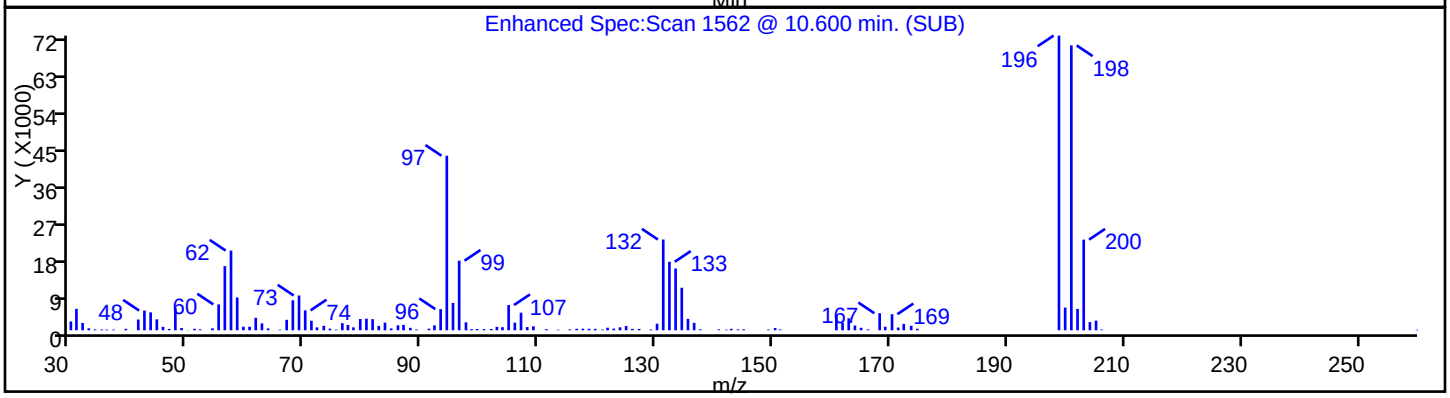
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

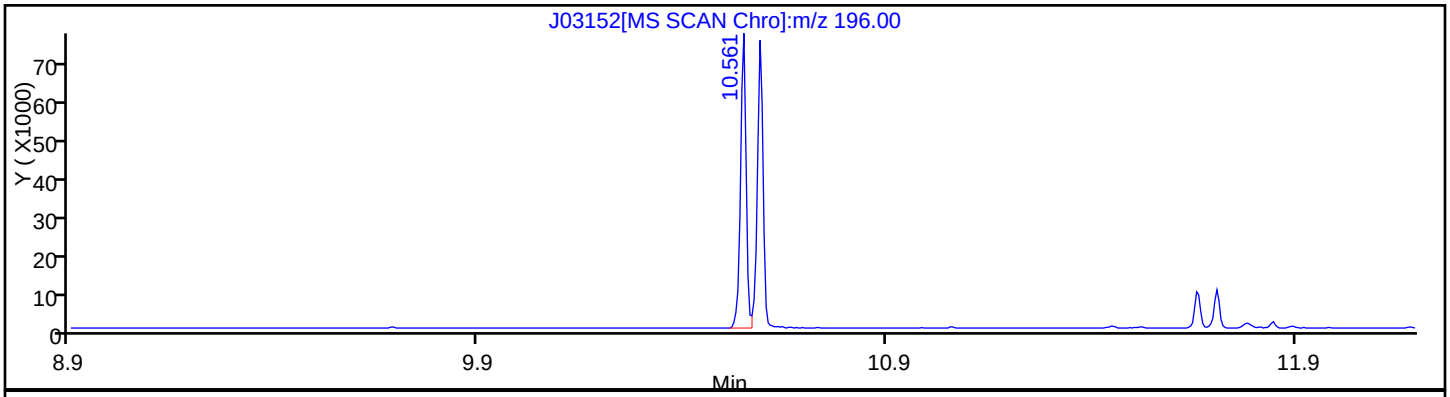
50 2,4,6-Trichlorophenol

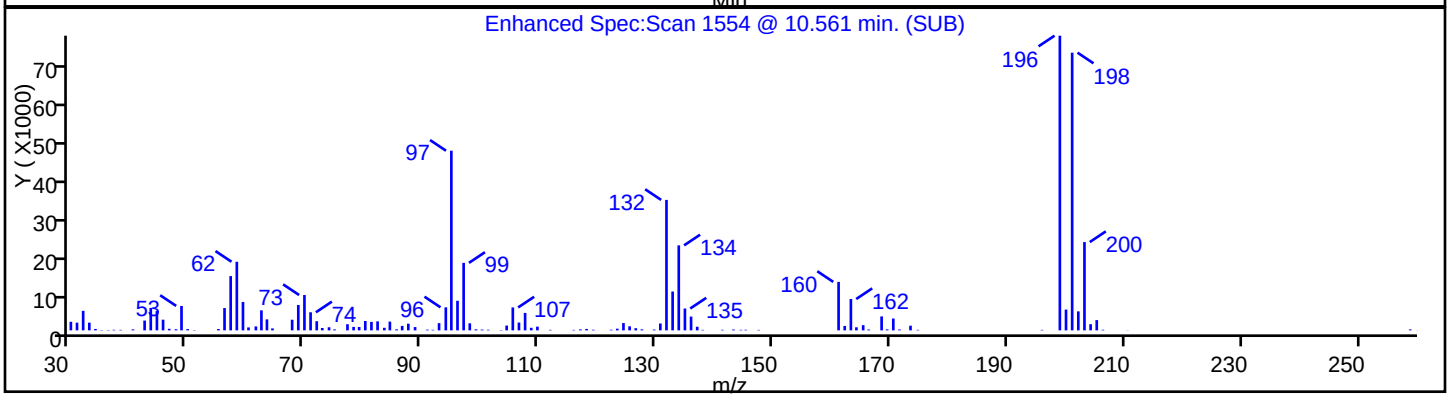
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

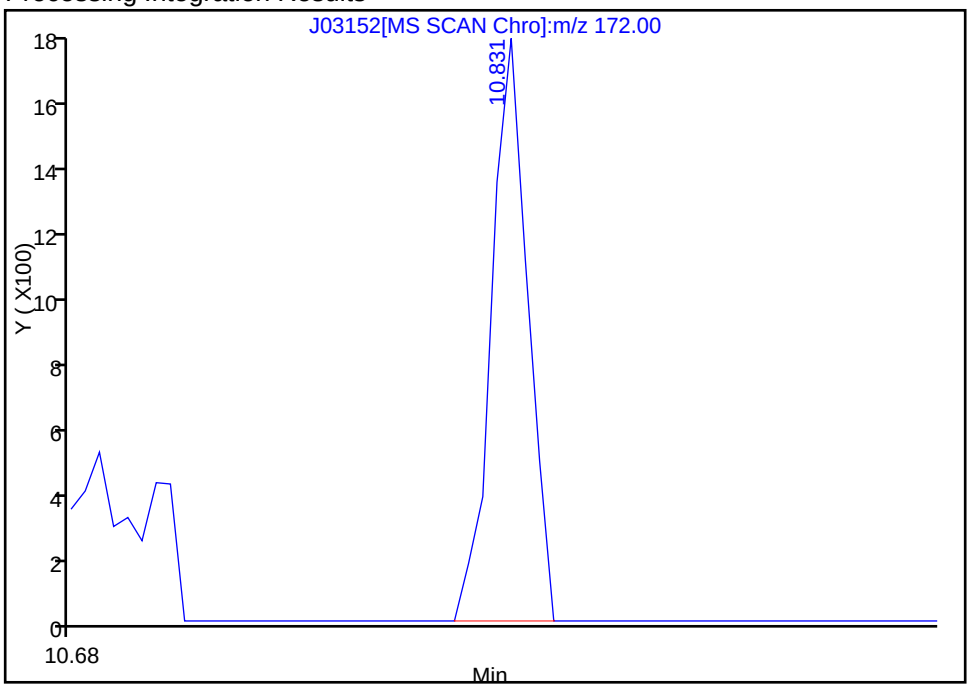
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

$ 10 2-Fluorobiphenyl, Number: 1, m/z: 172 Type: quant, RT: 10.63

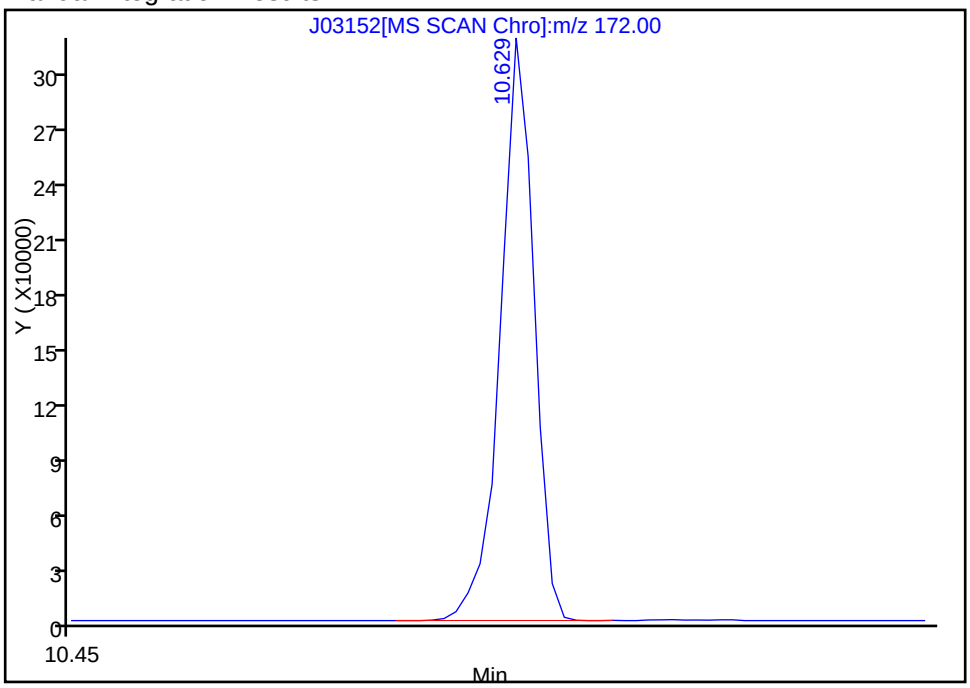
Processing Integration Results

RT: 10.83
Response: 1500
Amount: 0.023269



Manual Integration Results

RT: 10.63
Response: 291390
Amount: 4.520205



Reviewer: rachtank, 26-Sep-2009 13:38:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

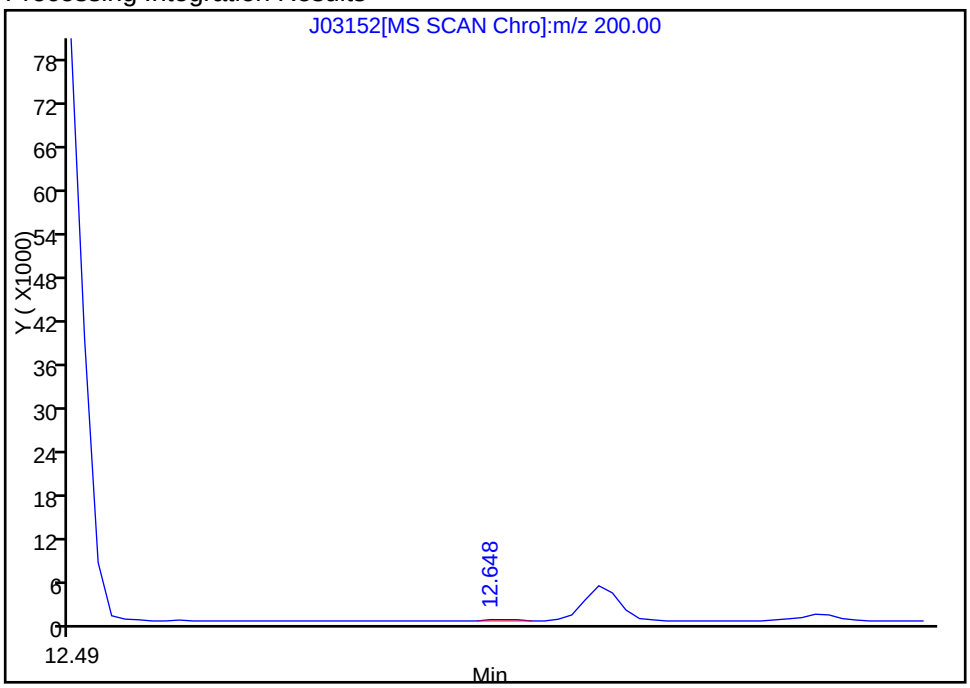
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

77 Atrazine, Number: 1, m/z: 200 Type: quant, RT: 12.50

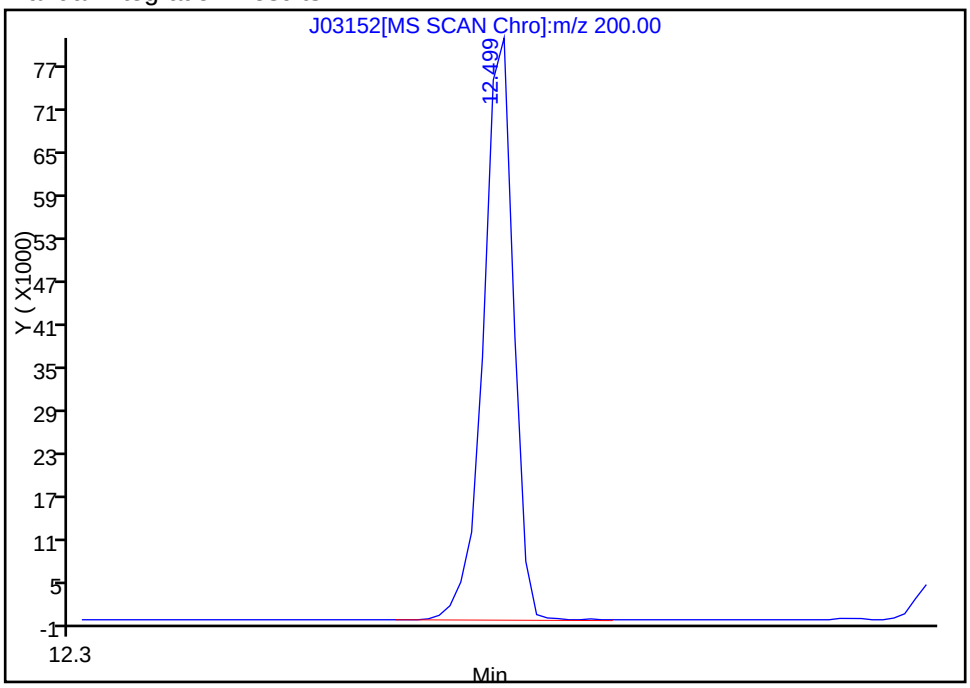
Processing Integration Results

RT: 12.65
Response: 155
Amount: 0.011409



Manual Integration Results

RT: 12.50
Response: 75735
Amount: 5.574580



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

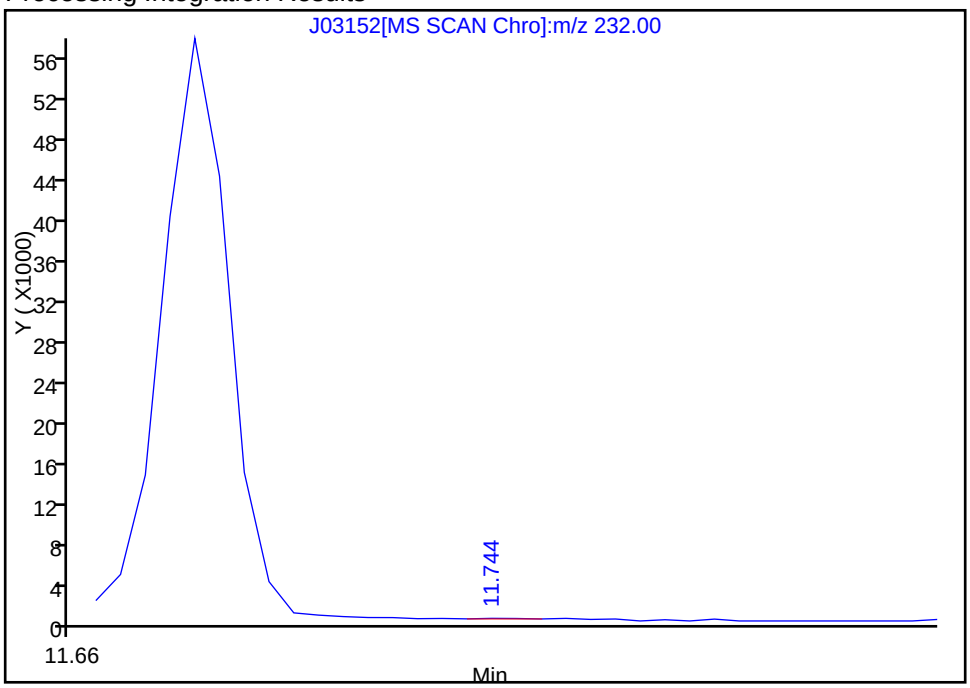
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

65 2,3,4,6-Tetrachlorophenol, Number: 1, m/z: 232 Type: quant, RT: 11.69

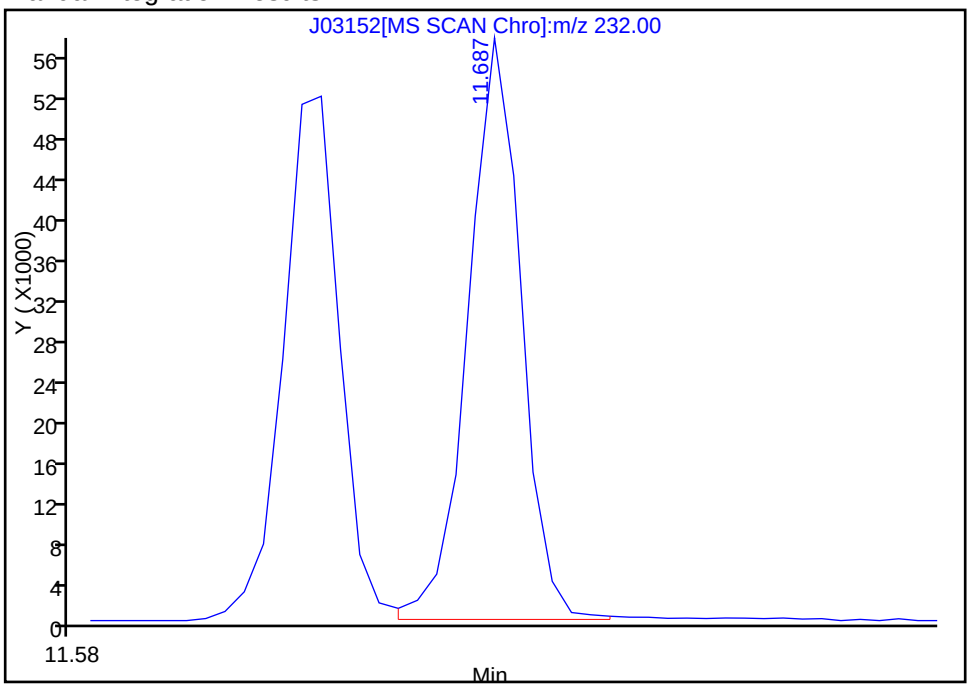
Processing Integration Results

RT: 11.74
Response: 33
Amount: 0.114948



Manual Integration Results

RT: 11.69
Response: 52369
Amount: 4.585920



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

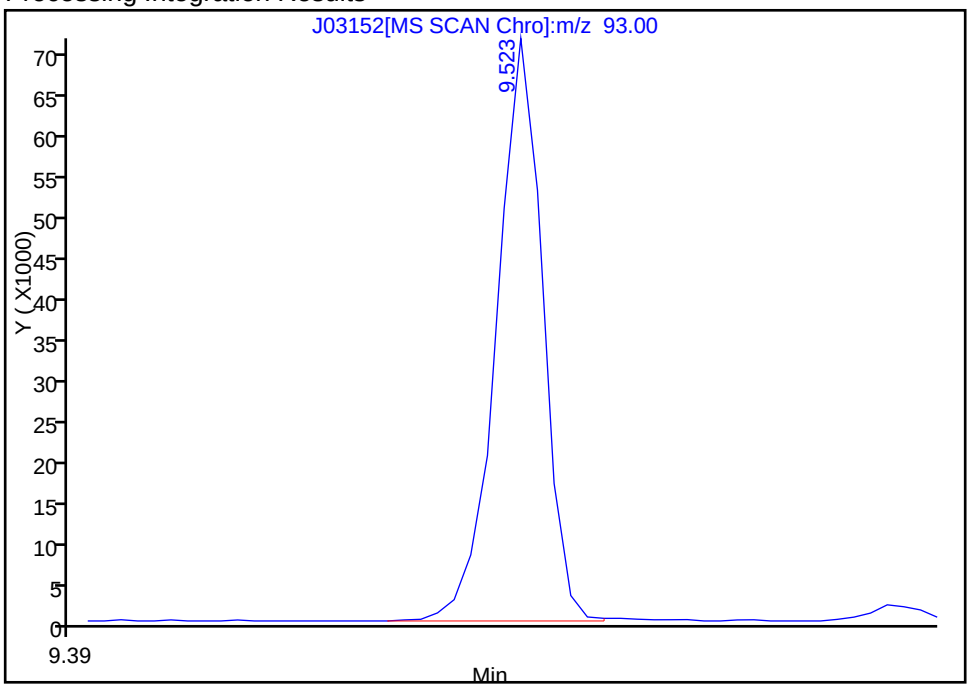
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

37 Bis(2-chloroethoxy)methane, Number: 1, m/z: 93 Type: quant, RT: 9.27

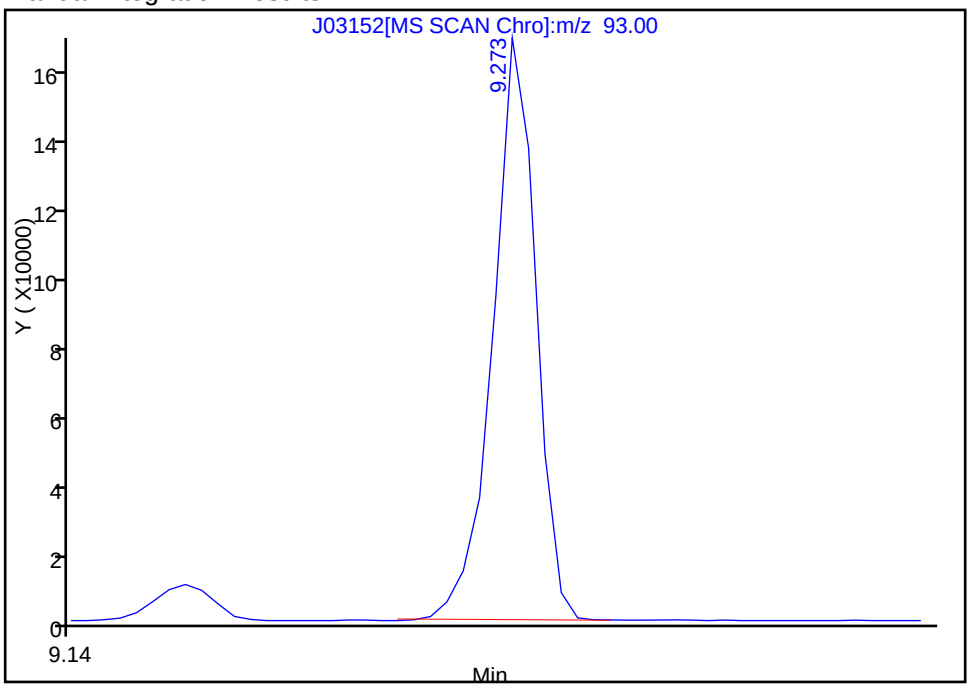
Processing Integration Results

RT: 9.52
Response: 65784
Amount: 2.085977



Manual Integration Results

RT: 9.27
Response: 144420
Amount: 4.579485



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

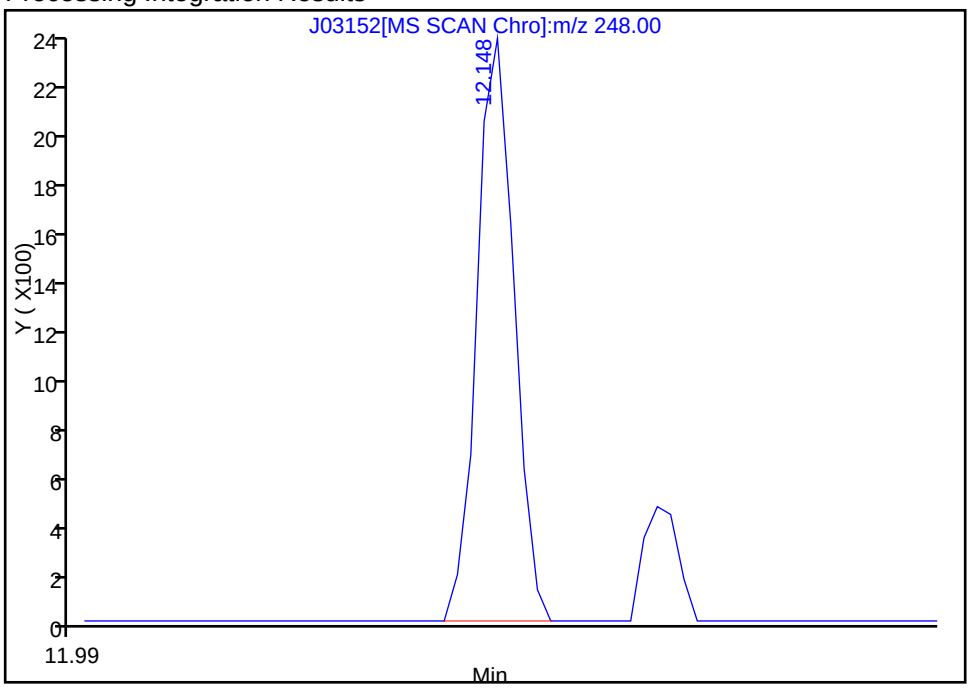
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

75 4-Bromophenyl phenyl ether, Number: 1, m/z: 248 Type: quant, RT: 11.55

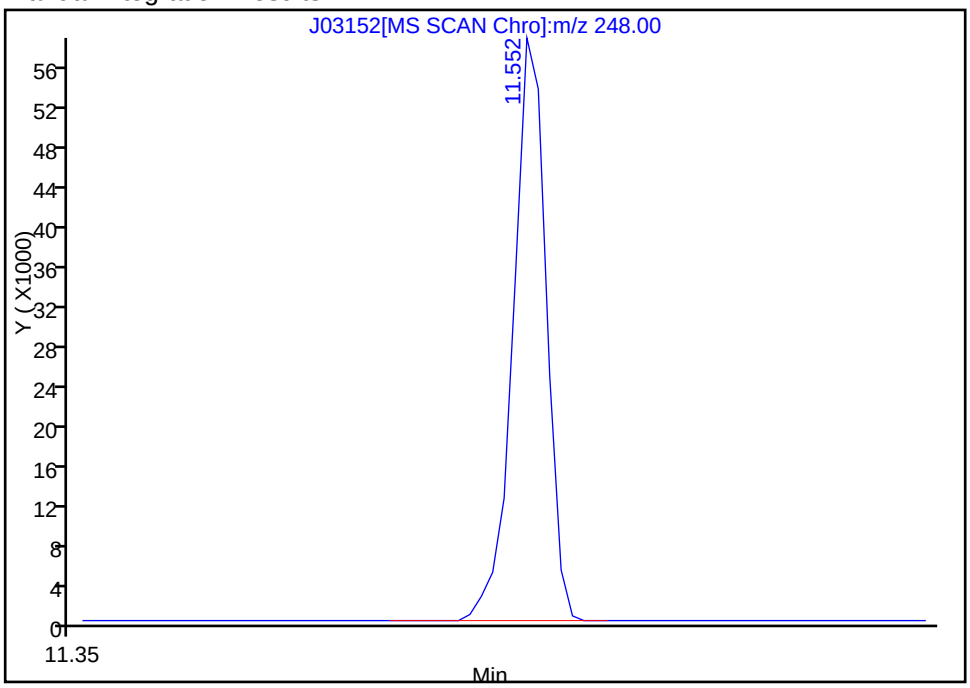
Processing Integration Results

RT: 12.15
Response: 2210
Amount: 0.152494



Manual Integration Results

RT: 11.55
Response: 56499
Amount: 3.898525



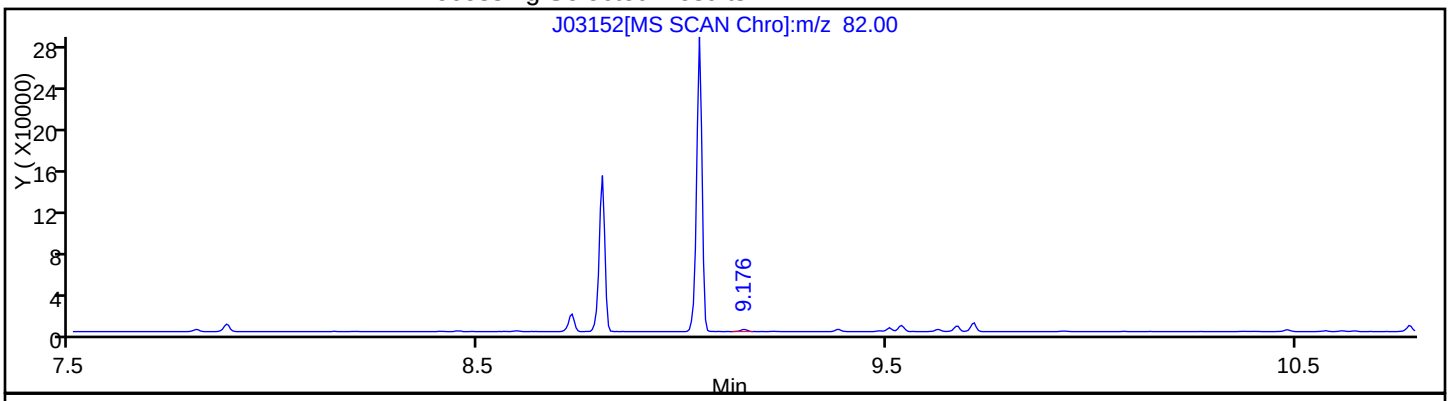
Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

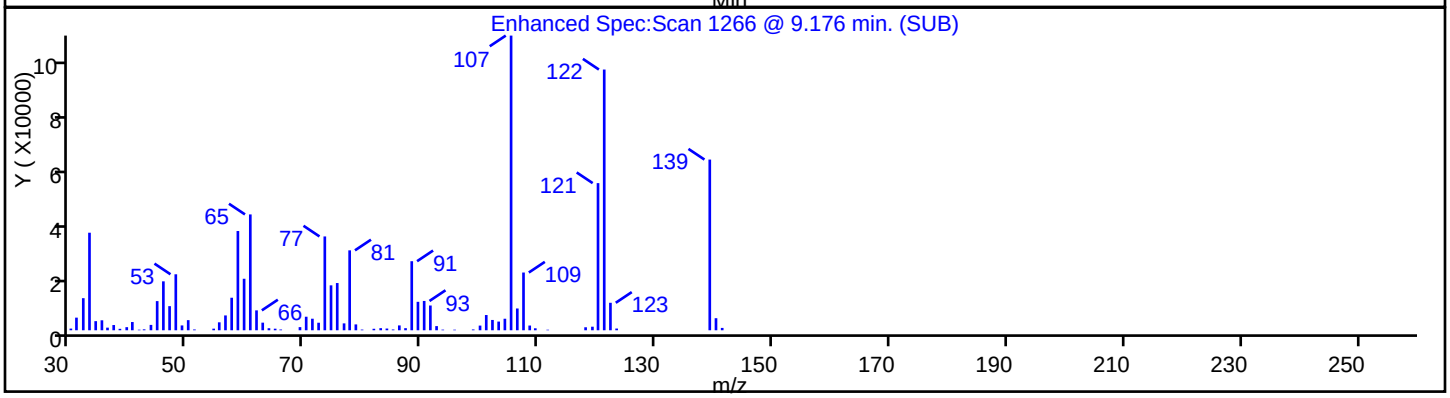
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

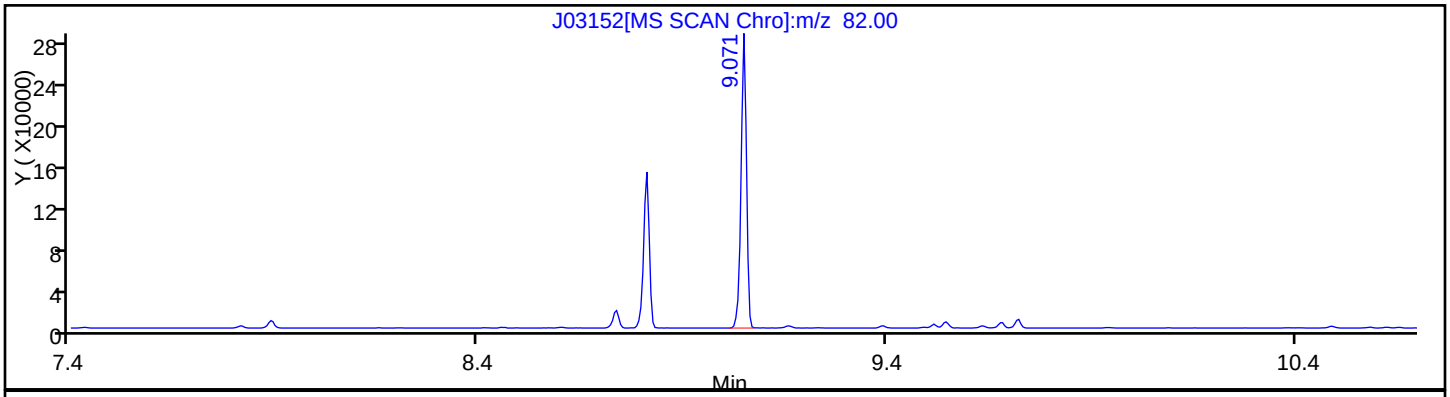
33 Isophorone

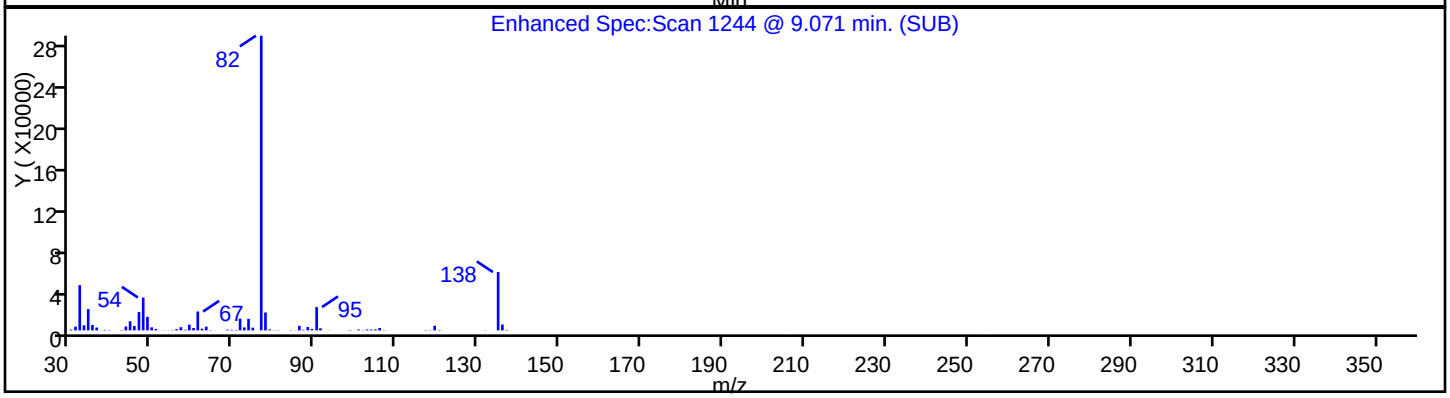
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

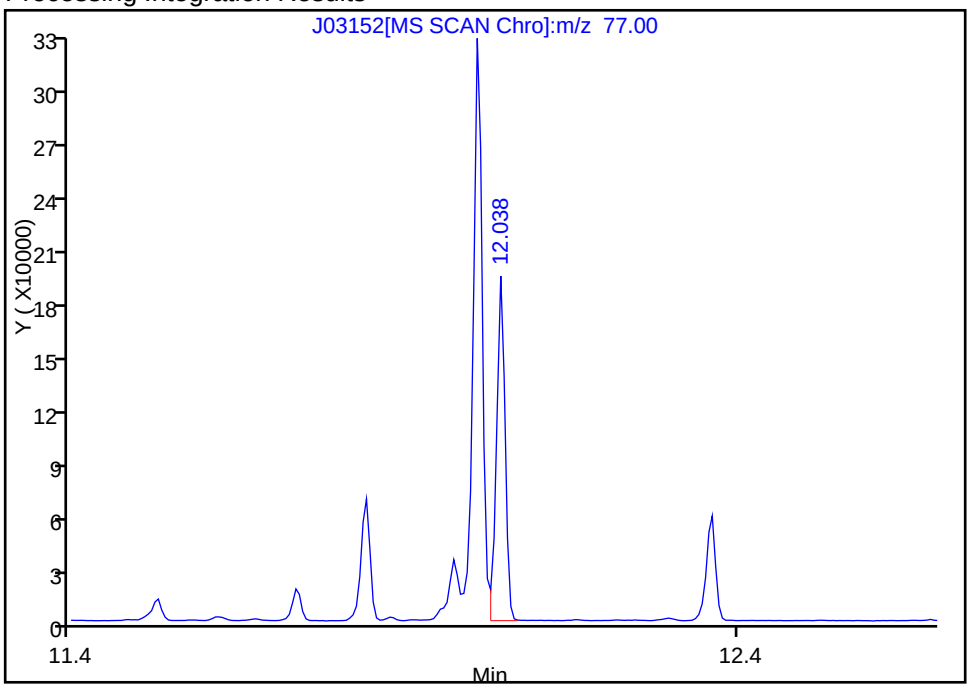
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

74 Azobenzene, Number: 1, m/z: 77 Type: quant, RT: 12.00

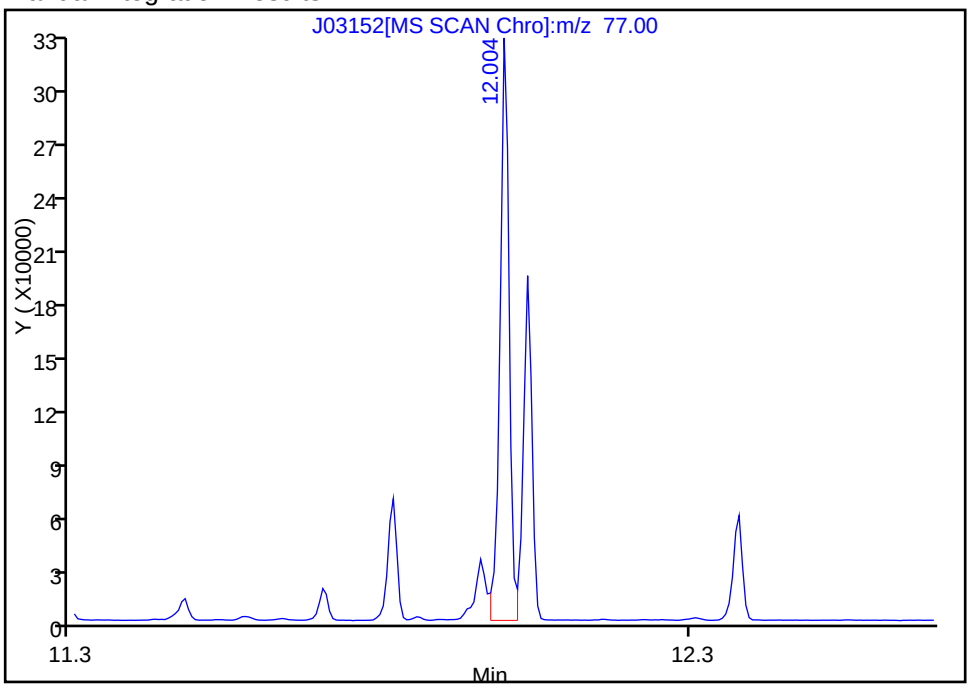
Processing Integration Results

RT: 12.04
Response: 166251
Amount: 2.838702



Manual Integration Results

RT: 12.00
Response: 301892
Amount: 5.154745



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

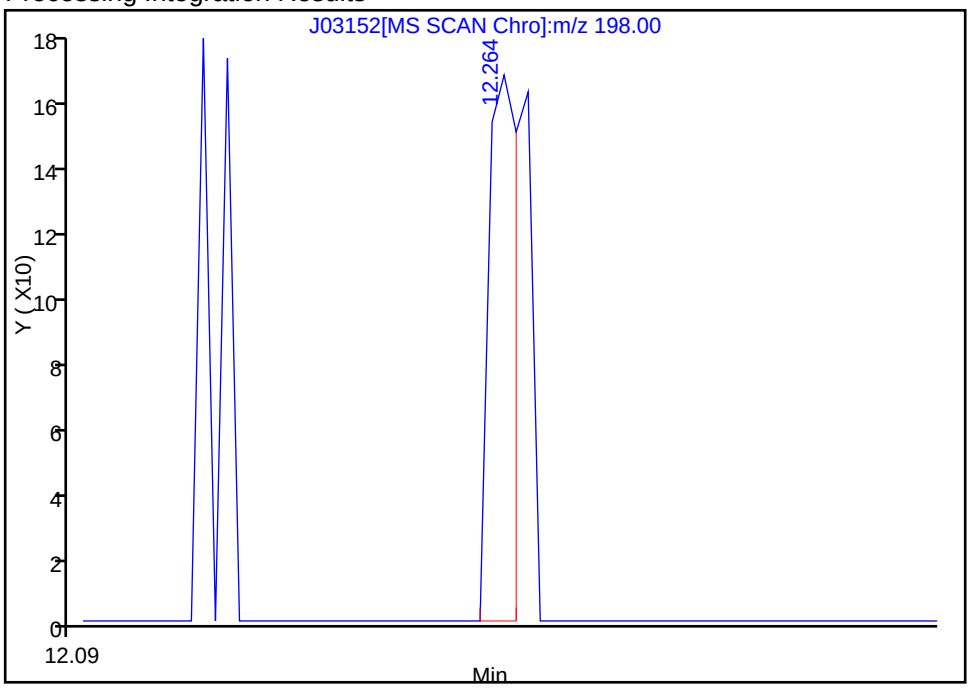
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

70 4,6-Dinitro-2-methylphenol, Number: 1, m/z: 198 Type: quant, RT: 11.95

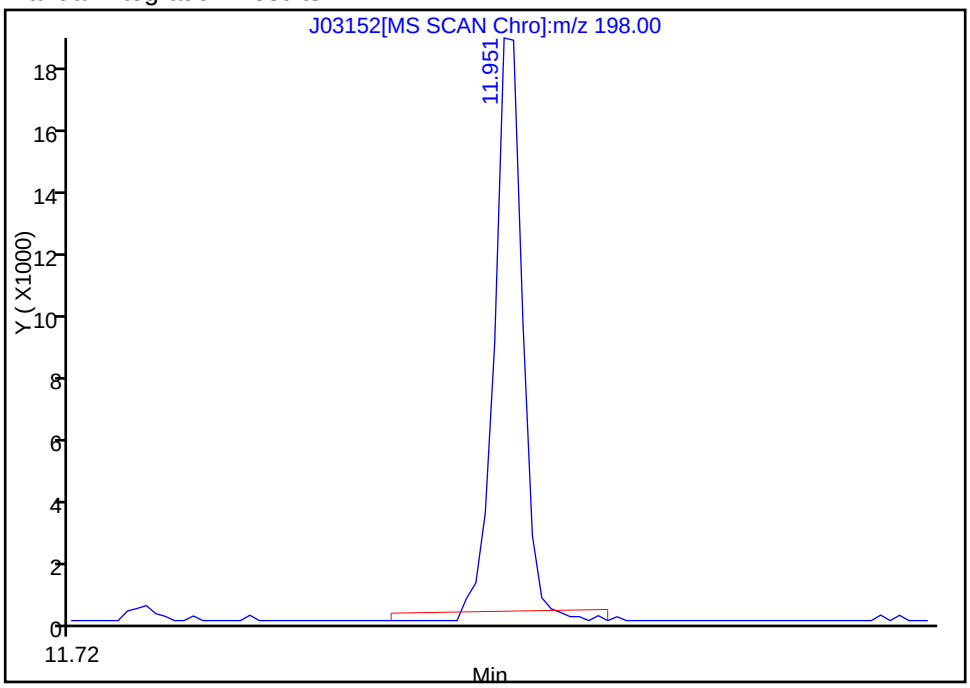
Processing Integration Results

RT: 12.26
Response: 132
Amount: 0.425271



Manual Integration Results

RT: 11.95
Response: 16629
Amount: 5.450543



Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

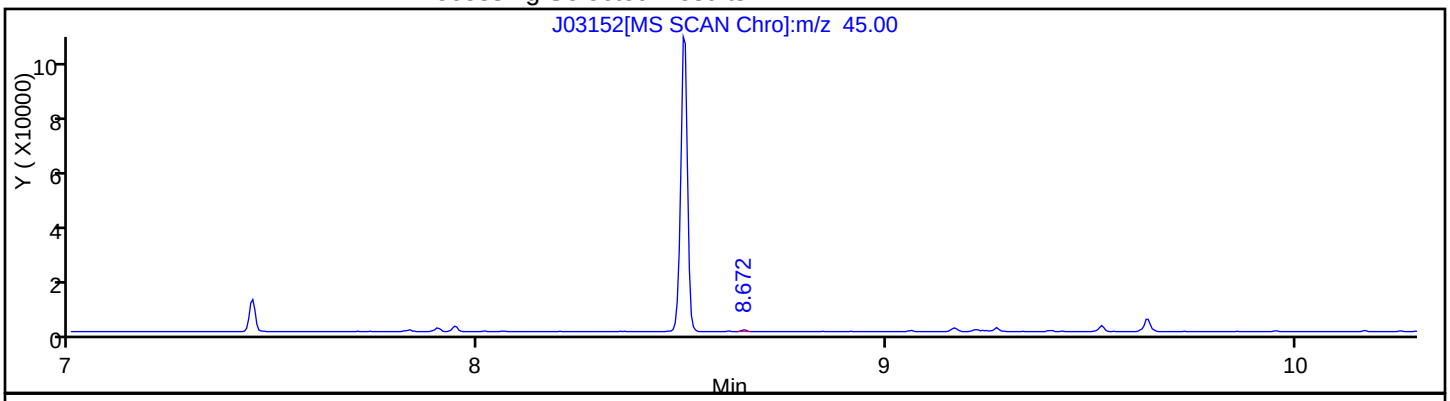
Chrom Revision: 1.1 20-Sep-2009 21:03:36

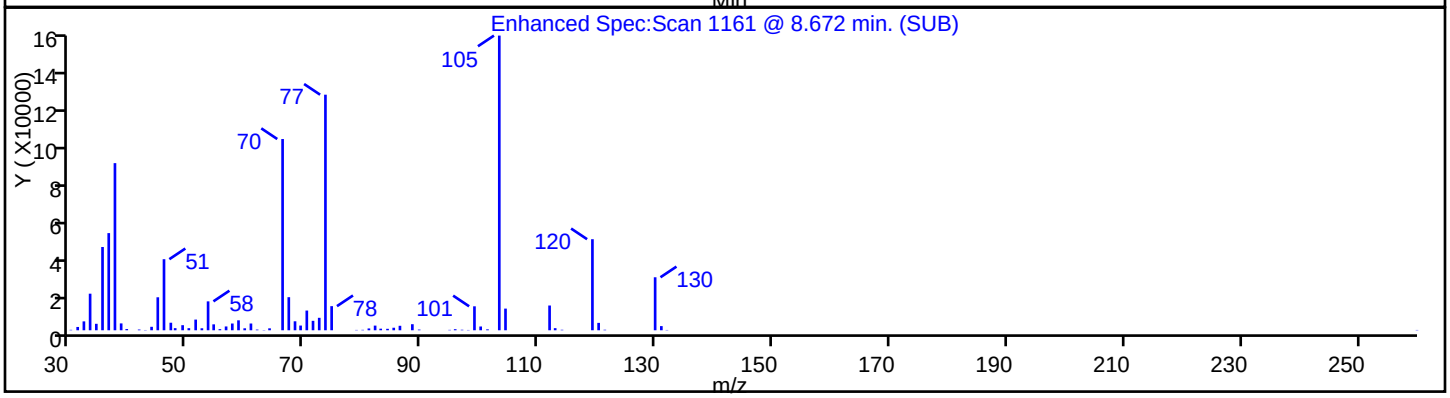
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

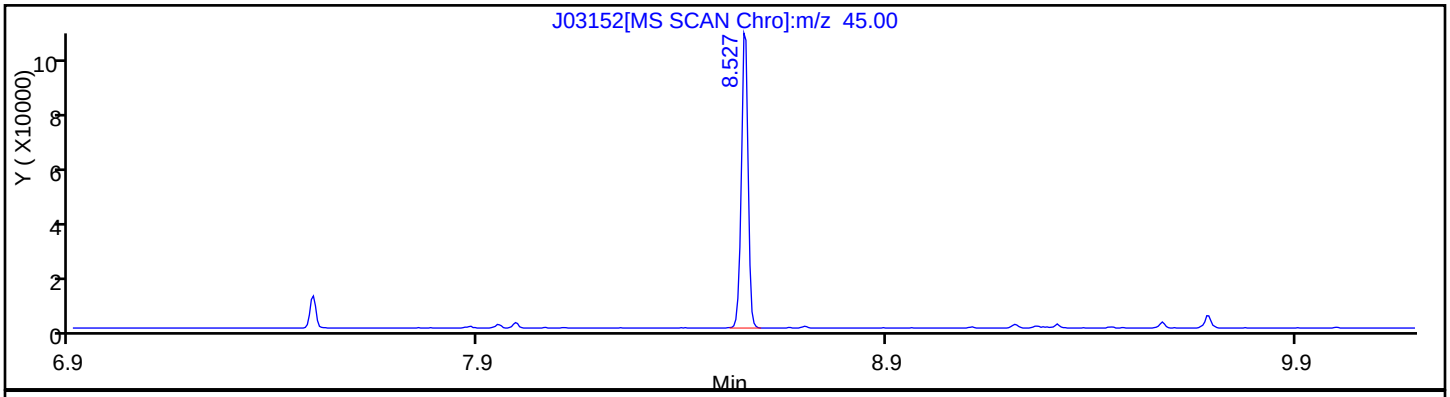
27 2,2'-oxybis[1-chloropropane]

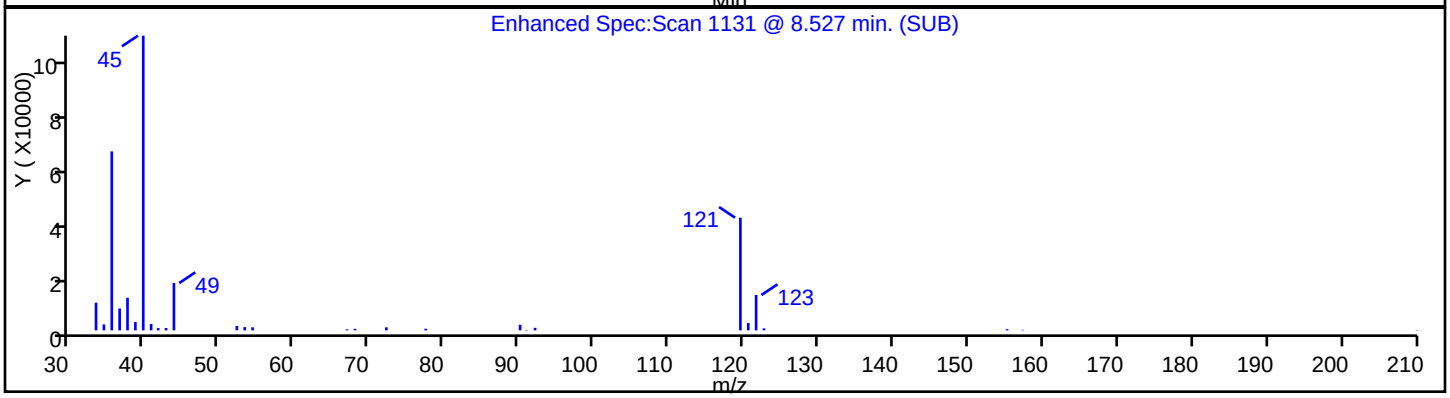
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56

Audit Action: Selected Alternate Hit

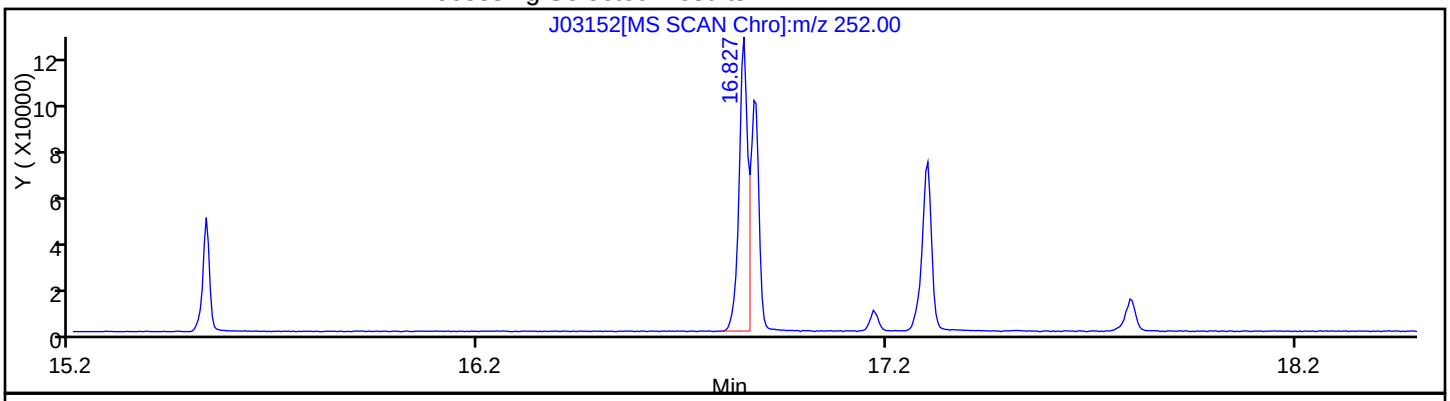
Audit Reason:

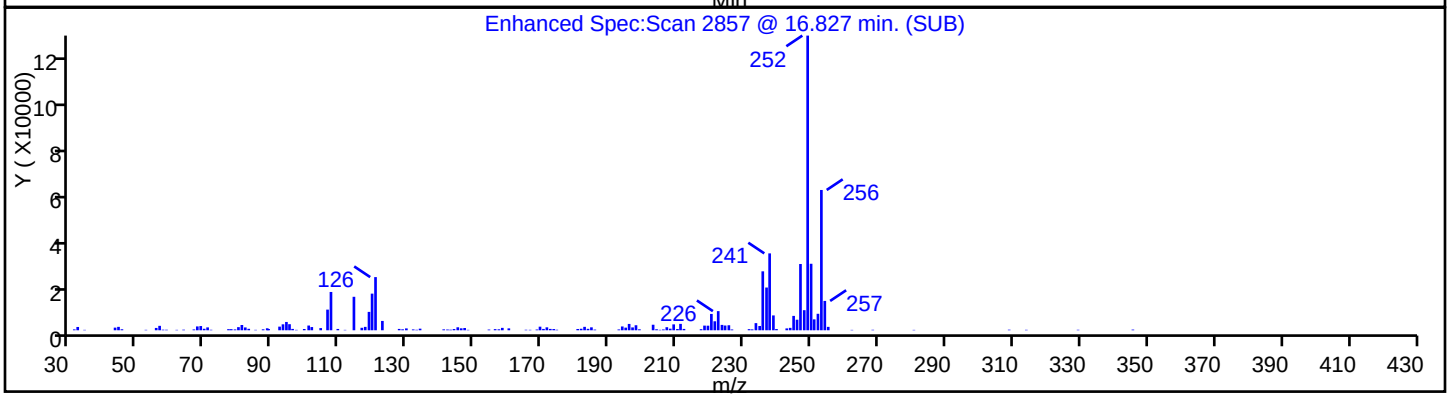
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03152.D		
Inj Date:	26-Sep-2009 13:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

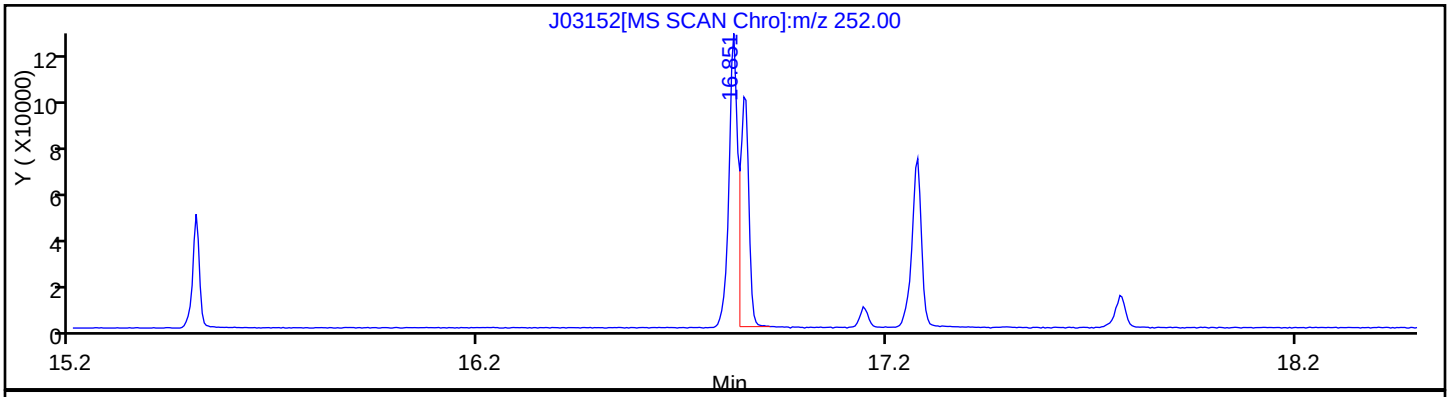
97 Benzo[b]fluoranthene

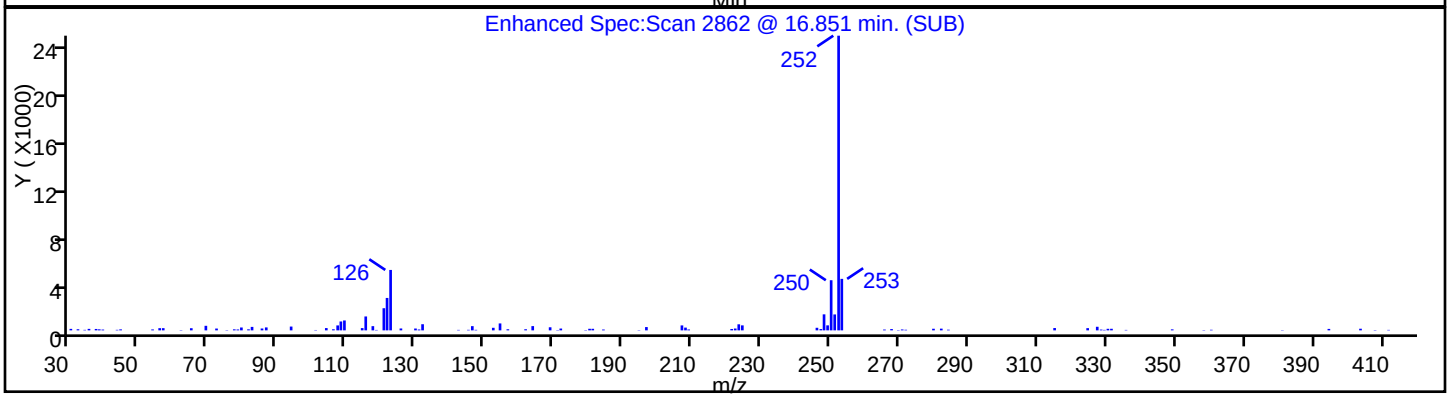
Processing Selected Results





Manual Selected Results





Reviewer: rachtank, 27-Sep-2009 10:39:56
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-49645/11 Calibration Date: 09/28/2009 18:59

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03192.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin		0.2398		5130	5000	2.5	20.0
Pyridine	Ave	0.5814	0.5725		4920	5000	-1.5	20.0
N-Nitrosodimethylamine	Ave	0.3165	0.3367		5320	5000	6.4	20.0
Benzaldehyde	Ave	0.3654	0.4455		6100	5000	21.9*	20.0
Phenol	Ave	0.7521	0.7071		4700	5000	-6.0	20.0
Aniline	Ave	0.8810	0.3594		2040	5000	-59.2*	20.0
Bis(2-chloroethyl)ether	Ave	0.6136	0.5716		4660	5000	-6.8	20.0
2-Chlorophenol	Ave	0.6130	0.5884		4800	5000	-4.0	20.0
1,4-Dichlorobenzene	Ave	0.7142	0.6719		4700	5000	-5.9	20.0
1,3-Dichlorobenzene	Ave	0.7435	0.6869		4620	5000	-7.6	20.0
Benzyl alcohol	Ave	0.5100	0.4920		4820	5000	-3.5	20.0
1,2-Dichlorobenzene	Ave	0.6783	0.6451		4760	5000	-4.9	20.0
2-Methylphenol	Ave	0.5481	0.5373		4900	5000	-2.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	0.5492	0.5389		4910	5000	-1.9	20.0
3 & 4 Methylphenol	Ave	0.5720	0.5594		4890	5000	-2.2	20.0
Acetophenone	Ave	0.8198	0.8240		5030	5000	0.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.4360	0.4325	0.0500	4960	5000	-0.8	20.0
Hexachloroethane	Ave	0.2561	0.2492		4870	5000	-2.7	20.0
Nitrobenzene	Ave	0.2867	0.2991		5220	5000	4.3	20.0
Isophorone	Ave	0.4786	0.4421		4620	5000	-7.6	20.0
2,4-Dimethylphenol	Ave	0.2513	0.2835		5640	5000	12.8	20.0
2-Nitrophenol	Lin1		0.1416		5320	5000	6.4	20.0
Benzoic acid	Qua		0.0370		3210	5000	-35.9*	20.0
Bis(2-chloroethoxy)methane	Ave	0.2884	0.3098		5370	5000	7.4	20.0
2,4-Dichlorophenol	Ave	0.1777	0.2193		6170	5000	23.4*	20.0
1,2,4-Trichlorobenzene	Ave	0.2439	0.2464		5050	5000	1.0	20.0
Alpha-Terpineol	Ave	0.1732	0.1702		4910	5000	-1.7	20.0
Naphthalene	Ave	0.8020	0.8362		5210	5000	4.3	20.0
4-Chloroaniline	Ave	0.2912	0.2499		4290	5000	-14.2	20.0
Hexachlorobutadiene	Ave	0.1329	0.1414		5320	5000	6.4	20.0
Caprolactam	Lin1		0.0800		5570	5000	11.4	20.0
4-Chloro-3-methylphenol	Ave	0.2167	0.2417		5580	5000	11.5	20.0
2-Methylnaphthalene	Ave	0.5258	0.5457		5190	5000	3.8	20.0
1-Methylnaphthalene	Ave	0.5120	0.5262		5140	5000	2.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2083	0.2272		5460	5000	9.1	20.0
Hexachlorocyclopentadiene	Lin1		0.1298	0.0500	4330	5000	-13.3	20.0
2,4,6-Trichlorophenol	Ave	0.2590	0.2888		5570	5000	11.5	20.0
2,4,5-Trichlorophenol	Ave	0.2632	0.2905		5520	5000	10.4	20.0
1,1'-Biphenyl	Ave	1.217	1.316		5410	5000	8.1	20.0
2-Chloronaphthalene	Ave	0.8874	0.9725		5480	5000	9.6	20.0
Phenyl ether	Ave	0.3324	0.3565		5360	5000	7.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-49645/11 Calibration Date: 09/28/2009 18:59

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03192.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin1		0.2819		4970	5000	-0.6	20.0
Dimethyl phthalate	Ave	1.109	1.163		5250	5000	4.9	20.0
2,6-Dinitrotoluene	Ave	0.2288	0.2513		5490	5000	9.8	20.0
Acenaphthylene	Ave	1.474	1.504		5100	5000	2.0	20.0
3-Nitroaniline	Lin2		0.2358		4920	5000	-1.5	20.0
Acenaphthene	Ave	0.9735	1.146		5890	5000	17.7	20.0
2,4-Dinitrophenol	Qua		0.0606	0.0500	4610	5000	-7.8	20.0
4-Nitrophenol	Lin1		0.1305	0.0500	4660	5000	-6.8	20.0
Dibenzofuran	Ave	1.347	1.381		5130	5000	2.6	20.0
2,4-Dinitrotoluene	Lin1		0.3167		4940	5000	-1.2	20.0
2,3,4,6-Tetrachlorophenol	Lin1		0.1912		4480	5000	-10.5	20.0
Diethyl phthalate	Ave	1.137	1.195		5260	5000	5.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.5146	0.5382		5230	5000	4.6	20.0
Fluorene	Ave	1.093	1.317		6030	5000	20.5*	20.0
4-Nitroaniline	Lin2		0.2097		5430	5000	8.6	20.0
4,6-Dinitro-2-methylphenol	Qua		0.0614		4640	5000	-7.1	20.0
N-Nitrosodiphenylamine	Ave	0.5407	0.4136		3820	5000	-23.5*	20.0
1,2-Diphenylhydrazine	Ave	0.6830	0.7170		5250	5000	5.0	20.0
Azobenzene	Ave	0.6830	0.7170		5250	5000	5.0	20.0
Benzophenone	Ave	0.5175	0.5497		5310	5000	6.2	20.0
4-Bromophenyl phenyl ether	Ave	0.1668	0.1710		5130	5000	2.5	20.0
Atrazine	Ave	0.1558	0.1866		5990	5000	19.8	20.0
Hexachlorobenzene	Ave	0.1757	0.1826		5200	5000	4.0	20.0
Pentachlorophenol	Lin		0.0532		4390	5000	-12.1	20.0
Pentachloronitrobenzene	Lin2		0.0785		5590	5000	11.9	20.0
Anthracene	Ave	0.9153	1.005		5490	5000	9.8	20.0
Phenanthrene	Ave	0.8257	0.9916		6000	5000	20.1*	20.0
Carbazole	Ave	0.7159	0.7554		5280	5000	5.5	20.0
Di-n-butyl phthalate	Ave	1.044	1.097		5250	5000	5.1	20.0
Fluoranthene	Ave	0.8272	0.8770		5300	5000	6.0	20.0
Benzidine	Lin		0.0142		1240	5000	-75.2*	20.0
Pyrene	Ave	1.177	1.334		5670	5000	13.3	20.0
Butyl benzyl phthalate	Ave	0.5553	0.5569		5010	5000	0.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7107	0.7299		5140	5000	2.7	20.0
3,3'-Dichlorobenzidine	Ave	0.1966	0.1758		4470	5000	-10.6	20.0
Benzo[a]anthracene	Ave	0.8078	0.9513		5890	5000	17.8	20.0
Chrysene	Ave	0.8053	0.8981		5580	5000	11.5	20.0
Di-n-octyl phthalate	Lin1		1.555		5490	5000	9.9	20.0
Benzo[b]fluoranthene	Ave	1.140	1.322		5800	5000	16.0	20.0
Benzo[k]fluoranthene	Lin1		1.190		5880	5000	17.6	20.0
Benzo[a]pyrene	Ave	0.7331	0.9053		6170	5000	23.5*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICV 360-49645/11 Calibration Date: 09/28/2009 18:59

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03192.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Lin		0.4846		5150	5000	3.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.5229	0.6528		6240	5000	24.9*	20.0
Benzo[g,h,i]perylene	Ave	0.4930	0.5817		5900	5000	18.0	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03192.D		
Lims ID:	icv	Client ID:	
Inject. Date:	28-Sep-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	ICV, ICal Verification		
Sample ID:	5.0 UG/ML ICV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	49645	Lims Sample ID:	11
Sublist:			
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:31:38	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:49:15
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:31:38

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.034	8.035	-0.001	65814	2.00	
* 2 Naphthalene-d8	136	9.347	9.347	0.000	142081	2.00	
* 3 Acenaphthene-d10	164	11.136	11.136	0.000	72733	2.00	
* 4 Phenanthrene-d10	188	12.617	12.617	0.000	122924	2.00	
* 5 Chrysene-d12	240	15.377	15.378	-0.001	91201	2.00	
* 6 Perylene-d12	264	17.012	17.018	-0.006	50883	2.00	
14 1,4-Dioxane	88	3.966	3.952	0.014	39459	5.13	
16 Pyridine	79	4.754	4.750	0.004	94196	4.92	
15 N-Nitrosodimethylamine	74	4.798	4.794	0.004	55400	5.32	
17 Benzaldehyde	105	7.596	7.597	-0.001	73306	6.10	
18 Phenol	94	7.697	7.698	-0.001	116335	4.70	
19 Aniline	93	7.741	7.741	0.000	59134	2.04	
20 Bis(2-chloroethyl)ether	93	7.784	7.789	-0.005	94053	4.66	
21 2-Chlorophenol	128	7.851	7.852	-0.001	96812	4.80	
22 1,4-Dichlorobenzene	146	7.996	7.996	0.000	110544	4.70	
23 1,3-Dichlorobenzene	146	8.053	8.054	-0.001	113020	4.62	
24 Benzyl alcohol	79	8.188	8.189	-0.001	80954	4.82	
25 1,2-Dichlorobenzene	146	8.250	8.251	-0.001	106147	4.76	
26 2-Methylphenol	108	8.303	8.304	-0.001	88404	4.90	
27 2,2'-oxybis[1-chloropropane]	45	8.337	8.333	0.004	88675	4.91	
28 3 & 4 Methylphenol	108	8.443	8.443	0.000	92039	4.89	
30 Acetophenone	105	8.467	8.472	-0.005	135581	5.03	
29 N-Nitrosodi-n-propylamine	70	8.476	8.477	-0.001	71158	4.96	
31 Hexachloroethane	117	8.563	8.564	-0.001	41007	4.87	
32 Nitrobenzene	77	8.654	8.655	-0.001	106253	5.22	
33 Isophorone	82	8.871	8.871	0.000	157034	4.62	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
35 2,4-Dimethylphenol	107	8.977	8.977	0.000	100713	5.64	
34 2-Nitrophenol	139	8.977	8.977	0.000	50304	5.32	
36 Benzoic acid	105	9.034	9.040	-0.006	13137	3.21	
37 Bis(2-chloroethoxy)methane	93	9.078	9.078	0.000	110028	5.37	
39 1,2,4-Trichlorobenzene	180	9.299	9.295	0.004	87506	5.05	
40 Alpha-Terpineol	59	9.323	9.323	0.000	60455	4.91	
41 Naphthalene	128	9.366	9.367	-0.001	297004	5.21	
42 4-Chloroaniline	127	9.433	9.434	-0.001	88750	4.29	
38 2,4-Dichlorophenol	162	9.203	9.439	-0.236	77886	6.17	M
43 Hexachlorobutadiene	225	9.525	9.525	0.000	50224	5.32	
44 Caprolactam	55	9.736	9.737	-0.001	28428	5.57	
45 4-Chloro-3-methylphenol	107	9.885	9.886	-0.001	85840	5.58	
46 2-Methylnaphthalene	142	10.054	10.054	0.000	193848	5.19	
47 1-Methylnaphthalene	142	10.169	10.170	-0.001	186908	5.14	
49 1,2,4,5-Tetrachlorobenzene	216	10.265	10.266	-0.001	80704	5.46	
48 Hexachlorocyclopentadiene	237	10.270	10.271	-0.001	23597	4.33	
50 2,4,6-Trichlorophenol	196	10.357	10.357	0.000	52504	5.57	
51 2,4,5-Trichlorophenol	196	10.395	10.396	-0.001	52822	5.52	
52 1,1'-Biphenyl	154	10.520	10.521	-0.001	239283	5.41	
53 2-Chloronaphthalene	162	10.554	10.593	-0.039	176825	5.48	
54 Phenyl ether	170	10.626	10.627	-0.001	126615	5.36	
55 2-Nitroaniline	65	10.684	10.684	0.000	51262	4.97	
56 Dimethyl phthalate	163	10.852	10.857	-0.005	211540	5.25	
57 2,6-Dinitrotoluene	165	10.948	10.949	-0.001	45690	5.49	
58 Acenaphthylene	152	10.987	10.987	0.000	273417	5.10	
59 3-Nitroaniline	138	11.097	11.098	-0.001	42871	4.92	
61 Acenaphthene	153	11.169	11.170	-0.001	208395	5.89	
60 2,4-Dinitrophenol	184	11.193	11.194	-0.001	11019	4.61	
62 4-Nitrophenol	109	11.222	11.223	-0.001	23727	4.66	
64 Dibenzofuran	168	11.318	11.324	-0.006	251197	5.13	
63 2,4-Dinitrotoluene	165	11.342	11.343	-0.001	57588	4.94	
65 2,3,4,6-Tetrachlorophenol	232	11.477	11.478	-0.001	34770	4.48	
66 Diethyl phthalate	149	11.544	11.550	-0.006	217273	5.26	
67 4-Chlorophenyl phenyl ether	204	11.641	11.641	0.000	97854	5.23	
69 Fluorene	166	11.669	11.670	-0.001	239483	6.03	
68 4-Nitroaniline	138	11.718	11.718	0.000	38137	5.43	
70 4,6-Dinitro-2-methylphenol	198	11.746	11.747	-0.001	18856	4.64	
72 N-Nitrosodiphenylamine	169	11.766	11.766	0.000	127106	3.82	
73 1,2-Diphenylhydrazine	77	11.799	11.800	-0.001	220337	5.25	
74 Azobenzene	77	11.799	11.800	-0.001	220337	5.25	
13 Benzophenone	105	11.833	11.834	-0.001	168920	5.31	
75 4-Bromophenyl phenyl ether	248	12.131	12.136	-0.005	52549	5.13	
77 Atrazine	200	12.295	12.295	0.000	57336	5.99	
76 Hexachlorobenzene	284	12.304	12.305	-0.001	56125	5.20	
78 Pentachlorophenol	266	12.477	12.478	-0.001	16362	4.39	
79 Pentachloronitrobenzene	237	12.554	12.555	-0.001	24131	5.59	
81 Anthracene	178	12.641	12.642	-0.001	308862	5.49	
80 Phenanthrene	178	12.689	12.685	0.004	304712	6.00	
83 Carbazole	167	12.843	12.843	0.000	232139	5.28	
84 Di-n-butyl phthalate	149	13.155	13.156	-0.001	337134	5.25	
87 Fluoranthene	202	13.848	13.849	0.000	269500	5.30	
86 Benzidine	184	13.958	13.959	-0.001	4352	1.24	

Report Date: 30-Sep-2009 08:31:39 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03192.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	14.093	14.094	-0.001	304253	5.67	
89 Butyl benzyl phthalate	149	14.699	14.700	-0.001	126979	5.01	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.286	0.000	166421	5.14	
91 3,3'-Dichlorobenzidine	252	15.315	15.315	0.000	40086	4.47	
93 Benzo[a]anthracene	228	15.358	15.358	0.000	216889	5.89	
94 Chrysene	228	15.406	15.407	-0.001	204762	5.58	
95 Di-n-octyl phthalate	149	15.925	15.926	-0.001	197834	5.49	
97 Benzo[b]fluoranthene	252	16.541	16.541	0.000	168211	5.80	
98 Benzo[k]fluoranthene	252	16.565	16.565	0.000	151373	5.88	
99 Benzo[a]pyrene	252	16.945	16.945	0.000	115165	6.17	
101 Dibenz(a,h)anthracene	278	18.546	18.547	-0.001	61644	5.15	
100 Indeno[1,2,3-cd]pyrene	276	18.551	18.552	-0.001	83043	6.24	
102 Benzo[g,h,i]perylene	276	19.022	19.023	-0.001	73991	5.90	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:31:39 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03192.D

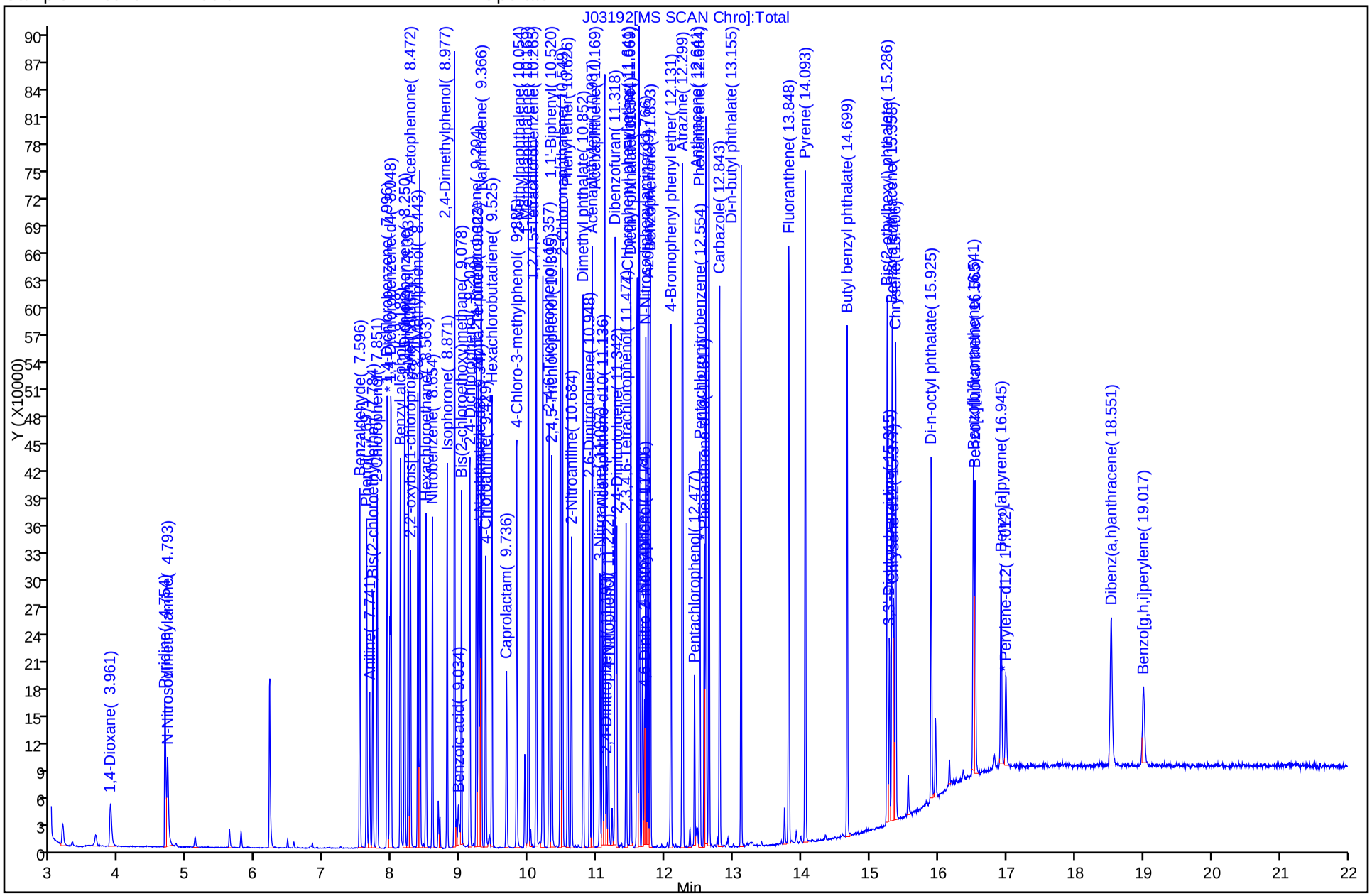
Inj Date: 28-Sep-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 11

Client ID: Instrument: Inst. J

Sample Info: 5.0 UG/ML ICV

Sample Amount: 1.00 ul Operator:



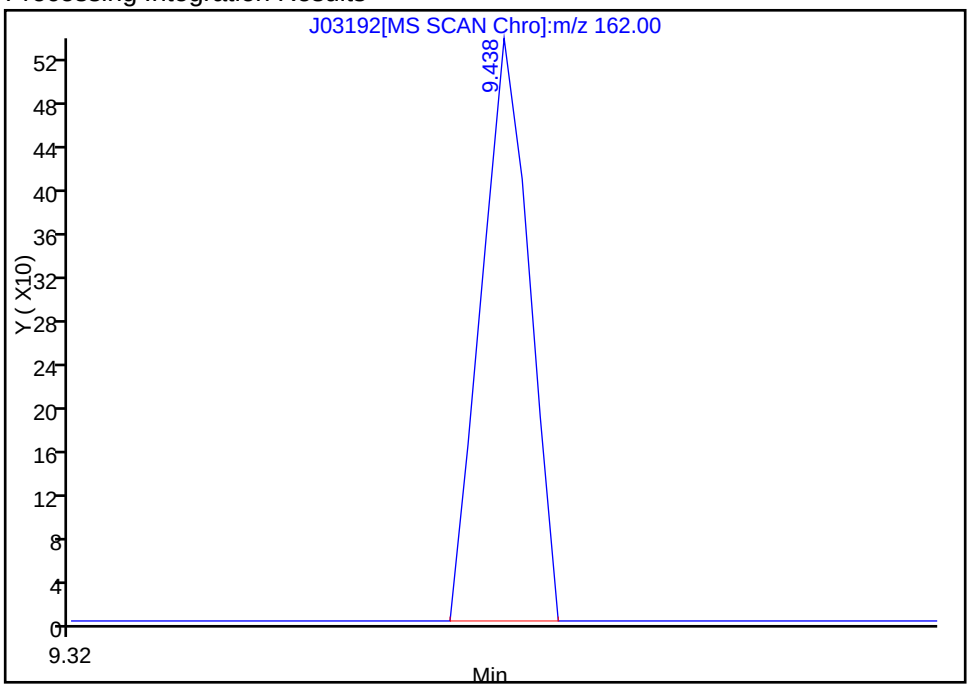
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03192.D		
Inj Date:	28-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	11
Client ID:		Instrument:	Inst. J
Sample Info:	5.0 UG/ML ICV		
Sample Amount:	1.00 ul	Operator:	

38 2,4-Dichlorophenol, Number: 1, m/z: 162 Type: quant, RT: 9.44

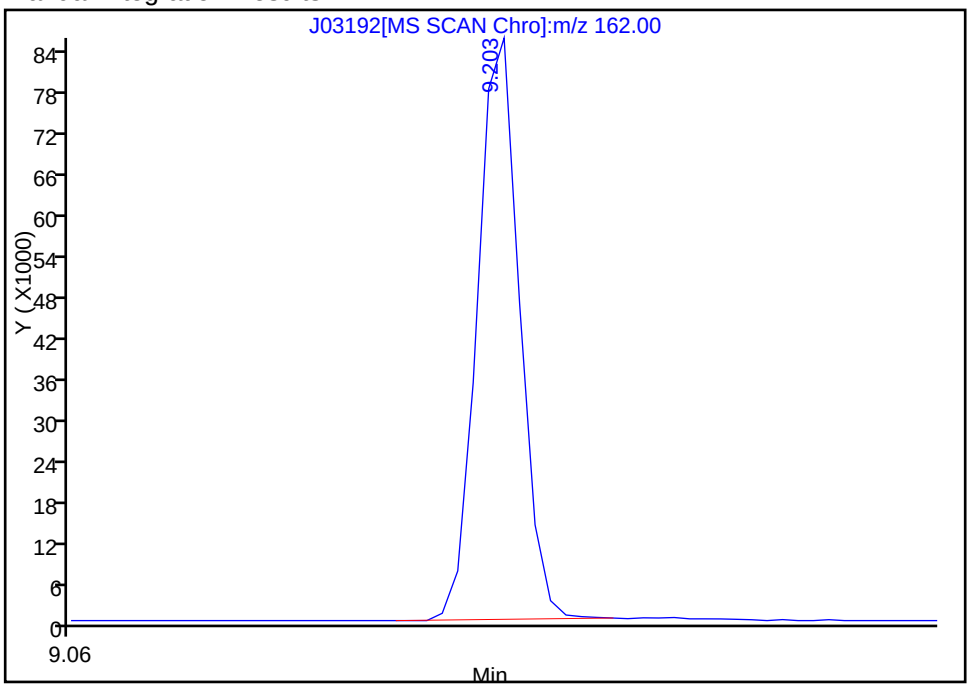
Processing Integration Results

RT: 9.44
Response: 477
Amount: 0.037794



Manual Integration Results

RT: 9.20
Response: 77886
Amount: 6.171064



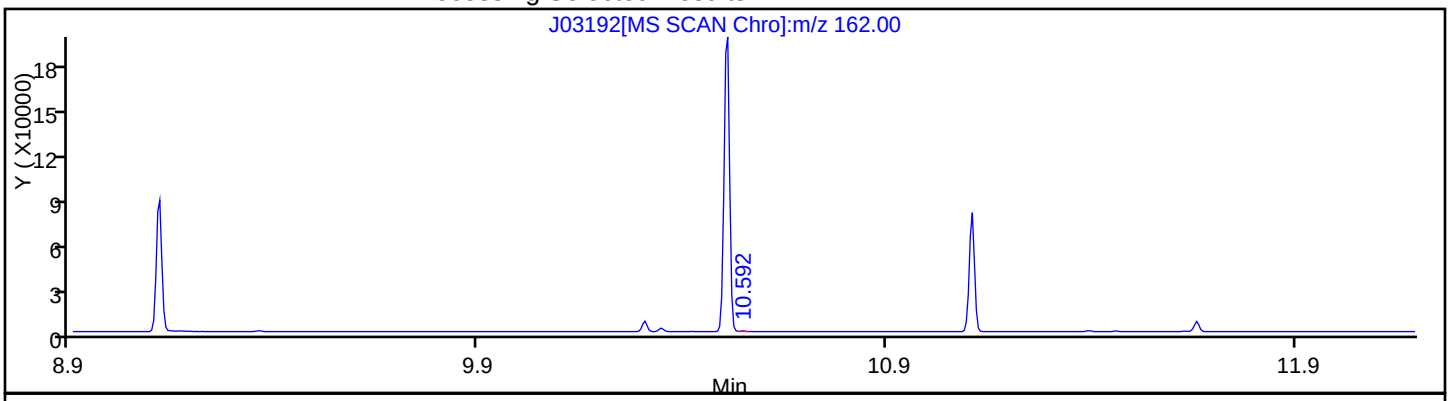
Reviewer: sullivanp, 30-Sep-2009 08:31:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

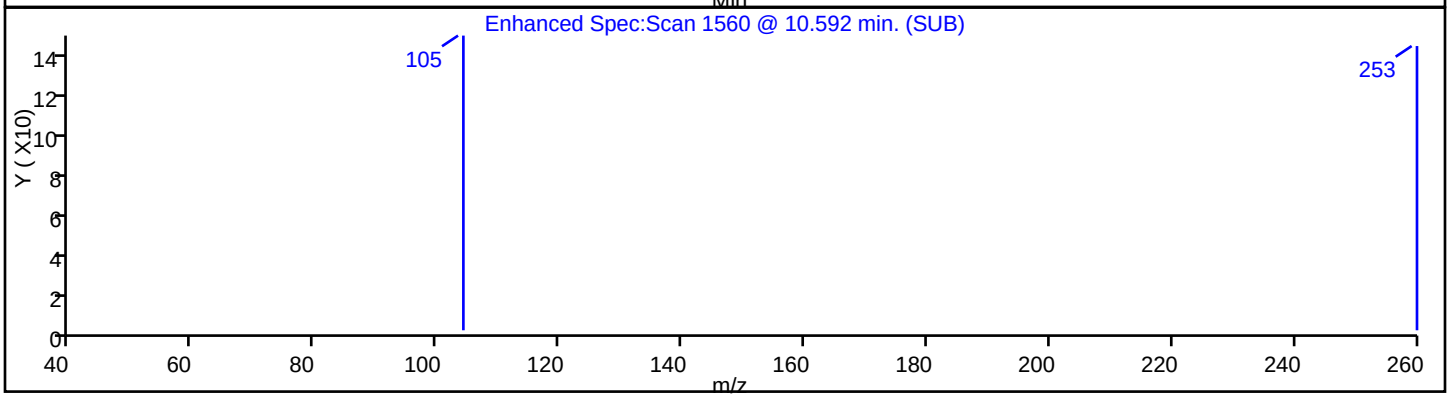
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03192.D		
Inj Date:	28-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	11
Client ID:		Instrument:	Inst. J
Sample Info:	5.0 UG/ML ICV		
Sample Amount:	1.00 ul	Operator:	

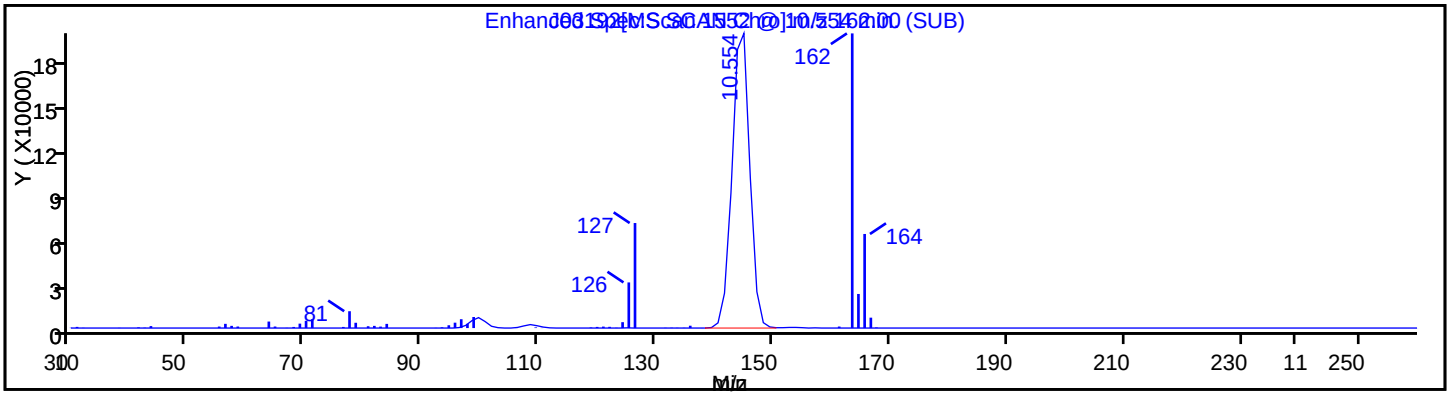
53 2-Chloronaphthalene

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 30-Sep-2009 08:31:38
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49648/16 Calibration Date: 09/28/2009 21:45

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03197.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin		0.2124		4550	5000	-8.9	30.0
Pyridine	Ave	0.5814	0.5319		4570	5000	-8.5	30.0
N-Nitrosodimethylamine	Ave	0.3165	0.2909		4600	5000	-8.1	30.0
Benzaldehyde	Ave	0.3654	0.3547		4850	5000	-2.9	30.0
Phenol	Ave	0.7521	0.7034		4680	5000	-6.5	20.0
Aniline	Ave	0.8810	0.8479		4810	5000	-3.8	30.0
Bis(2-chloroethyl)ether	Ave	0.6136	0.5679		4630	5000	-7.5	30.0
2-Chlorophenol	Ave	0.6130	0.5843		4770	5000	-4.7	30.0
1,4-Dichlorobenzene	Ave	0.7142	0.6658		4660	5000	-6.8	20.0
1,3-Dichlorobenzene	Ave	0.7435	0.6819		4590	5000	-8.3	30.0
Benzyl alcohol	Ave	0.5100	0.4897		4800	5000	-4.0	30.0
1,2-Dichlorobenzene	Ave	0.6783	0.6288		4630	5000	-7.3	30.0
2-Methylphenol	Ave	0.5481	0.5261		4800	5000	-4.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.5492	0.5076		4620	5000	-7.6	30.0
3 & 4 Methylphenol	Ave	0.5720	0.5499		4810	5000	-3.9	30.0
Acetophenone	Ave	0.8198	0.7973		4860	5000	-2.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.4360	0.4273	0.0500	4900	5000	-2.0	30.0
Hexachloroethane	Ave	0.2561	0.2507		4900	5000	-2.1	30.0
Nitrobenzene	Ave	0.2867	0.3073		5360	5000	7.2	30.0
Isophorone	Ave	0.4786	0.5265		5500	5000	10.0	30.0
2,4-Dimethylphenol	Ave	0.2513	0.2613		5200	5000	4.0	30.0
2-Nitrophenol	Lin1		0.1368		5140	5000	2.9	20.0
Benzoic acid	Qua		0.0588		4370	5000	-12.7	30.0
Bis(2-chloroethoxy)methane	Ave	0.2884	0.3026		5250	5000	4.9	30.0
1,2,4-Trichlorobenzene	Ave	0.2439	0.2536		5200	5000	4.0	30.0
Alpha-Terpineol	Ave	0.1732	0.1938		5590	5000	11.9	30.0
Naphthalene	Ave	0.8020	0.8389		5230	5000	4.6	30.0
4-Chloroaniline	Ave	0.2912	0.3276		5630	5000	12.5	30.0
2,4-Dichlorophenol	Ave	0.1777	0.1942		5470	5000	9.3	20.0
Hexachlorobutadiene	Ave	0.1329	0.1389		5230	5000	4.5	20.0
Caprolactam	Lin1		0.0752		5230	5000	4.5	30.0
4-Chloro-3-methylphenol	Ave	0.2167	0.2341		5400	5000	8.0	20.0
2-Methylnaphthalene	Ave	0.5258	0.5442		5180	5000	3.5	30.0
1-Methylnaphthalene	Ave	0.5120	0.5288		5160	5000	3.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2083	0.2147		5150	5000	3.1	30.0
Hexachlorocyclopentadiene	Lin1		0.1594	0.0500	5300	5000	6.0	30.0
2,4,6-Trichlorophenol	Ave	0.2590	0.2773		5350	5000	7.0	20.0
2,4,5-Trichlorophenol	Ave	0.2632	0.2933		5570	5000	11.4	30.0
1,1'-Biphenyl	Ave	1.217	1.223		5020	5000	0.5	30.0
2-Chloronaphthalene	Ave	0.8874	0.8946		5040	5000	0.8	30.0
Phenyl ether	Ave	0.3324	0.3491		5250	5000	5.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49648/16 Calibration Date: 09/28/2009 21:45

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03197.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin1		0.2815		4960	5000	-0.7	30.0
Dimethyl phthalate	Ave	1.109	1.137		5130	5000	2.5	30.0
2,6-Dinitrotoluene	Ave	0.2288	0.2616		5720	5000	14.3	30.0
Acenaphthylene	Ave	1.474	1.574		5340	5000	6.9	30.0
3-Nitroaniline	Lin2		0.2574		5370	5000	7.4	30.0
Acenaphthene	Ave	0.9735	0.9949		5110	5000	2.2	20.0
2,4-Dinitrophenol	Qua		0.0668	0.0500	4960	5000	-0.8	30.0
4-Nitrophenol	Lin1		0.1259	0.0500	4500	5000	-9.9	30.0
Dibenzofuran	Ave	1.347	1.366		5070	5000	1.4	30.0
2,4-Dinitrotoluene	Lin1		0.3270		5100	5000	1.9	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2082		4870	5000	-2.7	30.0
Diethyl phthalate	Ave	1.137	1.162		5110	5000	2.3	30.0
4-Chlorophenyl phenyl ether	Ave	0.5146	0.5298		5150	5000	2.9	30.0
Fluorene	Ave	1.093	1.134		5190	5000	3.8	30.0
4-Nitroaniline	Lin2		0.2138		5540	5000	10.7	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0698		5180	5000	3.6	30.0
Diphenylamine	Ave	0.5407	0.5758		5320	5000	6.5	30.0
N-Nitrosodiphenylamine	Ave	0.5407	0.5758		5320	5000	6.5	20.0
1,2-Diphenylhydrazine	Ave	0.6830	0.7601		5560	5000	11.3	30.0
Azobenzene	Ave	0.6830	0.7601		5560	5000	11.3	30.0
Benzophenone	Ave	0.5175	0.5604		5410	5000	8.3	30.0
4-Bromophenyl phenyl ether	Ave	0.1668	0.1749		5250	5000	4.9	30.0
Atrazine	Ave	0.1558	0.1782		5720	5000	14.4	30.0
Hexachlorobenzene	Ave	0.1757	0.1781		5070	5000	1.4	30.0
Pentachlorophenol	Lin		0.0586		4710	5000	-5.7	20.0
Pentachloronitrobenzene	Lin2		0.0762		5430	5000	8.6	30.0
Phenanthrene	Ave	0.8257	0.9216		5580	5000	11.6	30.0
Anthracene	Ave	0.9153	0.9008		4920	5000	-1.6	30.0
Carbazole	Ave	0.7159	0.7985		5580	5000	11.5	30.0
Di-n-butyl phthalate	Ave	1.044	1.114		5330	5000	6.7	30.0
Fluoranthene	Ave	0.8272	0.8825		5330	5000	6.7	20.0
Benzidine	Lin		0.1674		5160	5000	3.2	30.0
Pyrene	Ave	1.177	1.215		5160	5000	3.2	30.0
Butyl benzyl phthalate	Ave	0.5553	0.5757		5180	5000	3.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7107	0.6971		4900	5000	-1.9	30.0
3,3'-Dichlorobenzidine	Ave	0.1966	0.2323		5910	5000	18.2	30.0
Benzo[a]anthracene	Ave	0.8078	0.8244		5100	5000	2.1	30.0
Chrysene	Ave	0.8053	0.7790		4840	5000	-3.3	30.0
Di-n-octyl phthalate	Lin1		1.369		4850	5000	-3.1	20.0
Benzo[b]fluoranthene	Ave	1.140	1.132		4970	5000	-0.7	30.0
Benzo[k]fluoranthene	Lin1		1.147		5670	5000	13.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49648/16 Calibration Date: 09/28/2009 21:45

Instrument ID: Inst. J Calib Start Date: 09/28/2009 14:03

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/28/2009 18:26

Lab File ID: J03197.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.7331	0.8015		5470	5000	9.3	20.0
Dibenz(a,h)anthracene	Lin		0.4222		4550	5000	-8.9	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.5229	0.5531		5290	5000	5.8	30.0
Benzo[g,h,i]perylene	Ave	0.4930	0.4971		5040	5000	0.8	30.0
2-Fluorophenol	Ave	0.5915	0.5497		4650	5000	-7.1	30.0
Phenol-d5	Ave	0.6999	0.6728		4810	5000	-3.9	30.0
Nitrobenzene-d5	Ave	0.2809	0.3042		5420	5000	8.3	30.0
2-Fluorobiphenyl	Ave	1.157	1.168		5050	5000	1.0	30.0
2,4,6-Tribromophenol	Lin1		0.0781		5020	5000	0.5	30.0
Terphenyl-d14	Ave	0.7197	0.7474		5190	5000	3.9	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03197.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	28-Sep-2009 21:45:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49648	Lims Sample ID:	16
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	01-Oct-2009 08:58:00	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	29-Sep-2009 15:21:12
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:07:03
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:48:32
Reviewed By:	sullivanp	Date:	01-Oct-2009 08:58:00

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.036	8.036	0.000	72761	2.00	
* 2 Naphthalene-d8	136	9.349	9.349	0.000	156784	2.00	
* 3 Acenaphthene-d10	164	11.133	11.133	0.000	81564	2.00	
* 4 Phenanthrene-d10	188	12.619	12.619	0.000	135500	2.00	
* 5 Chrysene-d12	240	15.379	15.379	0.000	103487	2.00	
* 6 Perylene-d12	264	17.014	17.014	0.000	56150	2.00	
$ 7 2-Fluorophenol	112	6.685	6.685	0.000	99993	4.65	
$ 8 Phenol-d5	99	7.680	7.680	0.000	122381	4.81	
$ 9 Nitrobenzene-d5	82	8.637	8.637	0.000	119242	5.42	
$ 10 2-Fluorobiphenyl	172	10.426	10.426	0.000	238207	5.05	
$ 11 2,4,6-Tribromophenol	330	11.936	11.936	0.000	26448	5.02	
$ 12 Terphenyl-d14	244	14.201	14.201	0.000	193359	5.19	
14 1,4-Dioxane	88	3.949	3.949	0.000	38633	4.55	
16 Pyridine	79	4.747	4.747	0.000	96744	4.57	
15 N-Nitrosodimethylamine	74	4.790	4.790	0.000	52921	4.60	
17 Benzaldehyde	105	7.599	7.599	0.000	64520	4.85	
18 Phenol	94	7.695	7.695	0.000	127955	4.68	
19 Aniline	93	7.743	7.743	0.000	154239	4.81	
20 Bis(2-chloroethyl)ether	93	7.786	7.786	0.000	103302	4.63	
21 2-Chlorophenol	128	7.849	7.849	0.000	106288	4.77	
22 1,4-Dichlorobenzene	146	7.998	7.998	0.000	121102	4.66	
23 1,3-Dichlorobenzene	146	8.051	8.051	0.000	124043	4.59	
24 Benzyl alcohol	79	8.190	8.190	0.000	89070	4.80	
25 1,2-Dichlorobenzene	146	8.253	8.253	0.000	114376	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.306	8.306	0.000	95702	4.80	
27 2,2'-oxybis[1-chloropropane]	45	8.334	8.334	0.000	92333	4.62	
28 3 & 4 Methylphenol	108	8.445	8.445	0.000	100029	4.81	
30 Acetophenone	105	8.469	8.469	0.000	145026	4.86	
29 N-Nitrosodi-n-propylamine	70	8.479	8.479	0.000	77722	4.90	
31 Hexachloroethane	117	8.560	8.560	0.000	45601	4.90	
32 Nitrobenzene	77	8.657	8.657	0.000	120449	5.36	
33 Isophorone	82	8.873	8.873	0.000	206383	5.50	
35 2,4-Dimethylphenol	107	8.979	8.979	0.000	102408	5.20	
34 2-Nitrophenol	139	8.979	8.979	0.000	53637	5.14	
36 Benzoic acid	105	9.037	9.037	0.000	23051	4.37	
37 Bis(2-chloroethoxy)methane	93	9.080	9.080	0.000	118610	5.25	
39 1,2,4-Trichlorobenzene	180	9.296	9.296	0.000	99411	5.20	
40 Alpha-Terpineol	59	9.325	9.325	0.000	75968	5.59	
41 Naphthalene	128	9.368	9.368	0.000	328824	5.23	
42 4-Chloroaniline	127	9.431	9.431	0.000	128420	5.63	
38 2,4-Dichlorophenol	162	9.440	9.440	0.000	76114	5.47	
43 Hexachlorobutadiene	225	9.522	9.522	0.000	54448	5.23	
44 Caprolactam	55	9.739	9.739	0.000	29456	5.23	
45 4-Chloro-3-methylphenol	107	9.883	9.883	0.000	91753	5.40	
46 2-Methylnaphthalene	142	10.056	10.056	0.000	213309	5.18	
47 1-Methylnaphthalene	142	10.171	10.171	0.000	207276	5.16	
49 1,2,4,5-Tetrachlorobenzene	216	10.263	10.263	0.000	84153	5.15	
48 Hexachlorocyclopentadiene	237	10.272	10.272	0.000	32495	5.30	
50 2,4,6-Trichlorophenol	196	10.359	10.359	0.000	56540	5.35	
51 2,4,5-Trichlorophenol	196	10.397	10.397	0.000	59806	5.57	
52 1,1'-Biphenyl	154	10.522	10.522	0.000	249307	5.02	
53 2-Chloronaphthalene	162	10.590	10.590	0.000	182419	5.04	
54 Phenyl ether	170	10.628	10.628	0.000	136824	5.25	
55 2-Nitroaniline	65	10.681	10.681	0.000	57402	4.96	
56 Dimethyl phthalate	163	10.854	10.854	0.000	231829	5.13	
57 2,6-Dinitrotoluene	165	10.950	10.950	0.000	53334	5.72	
58 Acenaphthylene	152	10.984	10.984	0.000	321044	5.34	
59 3-Nitroaniline	138	11.099	11.099	0.000	52486	5.37	
61 Acenaphthene	153	11.167	11.167	0.000	202869	5.11	
60 2,4-Dinitrophenol	184	11.196	11.196	0.000	13628	4.96	
62 4-Nitrophenol	109	11.220	11.220	0.000	25663	4.50	
64 Dibenzofuran	168	11.321	11.321	0.000	278569	5.07	
63 2,4-Dinitrotoluene	165	11.340	11.340	0.000	66674	5.10	
65 2,3,4,6-Tetrachlorophenol	232	11.479	11.479	0.000	42452	4.87	
66 Diethyl phthalate	149	11.547	11.547	0.000	236988	5.11	
67 4-Chlorophenyl phenyl ether	204	11.638	11.638	0.000	108021	5.15	
69 Fluorene	166	11.672	11.672	0.000	231275	5.19	
68 4-Nitroaniline	138	11.720	11.720	0.000	43599	5.54	
70 4,6-Dinitro-2-methylphenol	198	11.749	11.749	0.000	23627	5.18	
71 Diphenylamine	169	11.768	11.768	0.000	195057	5.32	
72 N-Nitrosodiphenylamine	169	11.768	11.768	0.000	195057	5.32	
73 1,2-Diphenylhydrazine	77	11.797	11.797	0.000	257481	5.56	
74 Azobenzene	77	11.797	11.797	0.000	257481	5.56	
13 Benzophenone	105	11.830	11.830	0.000	189842	5.41	
75 4-Bromophenyl phenyl ether	248	12.133	12.133	0.000	59260	5.25	
77 Atrazine	200	12.297	12.297	0.000	60349	5.72	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	12.306	12.306	0.000	60340	5.07	
78 Pentachlorophenol	266	12.475	12.475	0.000	19860	4.71	
79 Pentachloronitrobenzene	237	12.552	12.552	0.000	25824	5.43	
80 Phenanthrene	178	12.643	12.643	0.000	312186	5.58	
81 Anthracene	178	12.686	12.686	0.000	305154	4.92	
83 Carbazole	167	12.840	12.840	0.000	270501	5.58	
84 Di-n-butyl phthalate	149	13.153	13.153	0.000	377336	5.33	
87 Fluoranthene	202	13.850	13.850	0.000	298944	5.33	
86 Benzidine	184	13.961	13.961	0.000	56700	5.16	
85 Pyrene	202	14.091	14.091	0.000	314304	5.16	
89 Butyl benzyl phthalate	149	14.701	14.701	0.000	148945	5.18	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.283	0.000	180352	4.90	
91 3,3'-Dichlorobenzidine	252	15.317	15.317	0.000	60087	5.91	
93 Benzo[a]anthracene	228	15.355	15.355	0.000	213295	5.10	
94 Chrysene	228	15.408	15.408	0.000	201551	4.84	
95 Di-n-octyl phthalate	149	15.928	15.928	0.000	192138	4.85	
97 Benzo[b]fluoranthene	252	16.543	16.543	0.000	158863	4.97	
98 Benzo[k]fluoranthene	252	16.567	16.567	0.000	161009	5.67	
99 Benzo[a]pyrene	252	16.947	16.947	0.000	112507	5.47	
101 Dibenz(a,h)anthracene	278	18.544	18.544	0.000	59265	4.55	
100 Indeno[1,2,3-cd]pyrene	276	18.553	18.553	0.000	77641	5.29	
102 Benzo[g,h,i]perylene	276	19.020	19.020	0.000	69785	5.04	

Report Date: 01-Oct-2009 08:58:02 Chrom Revision: 1.1 30-Sep-2009 22:09:04

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03197.D

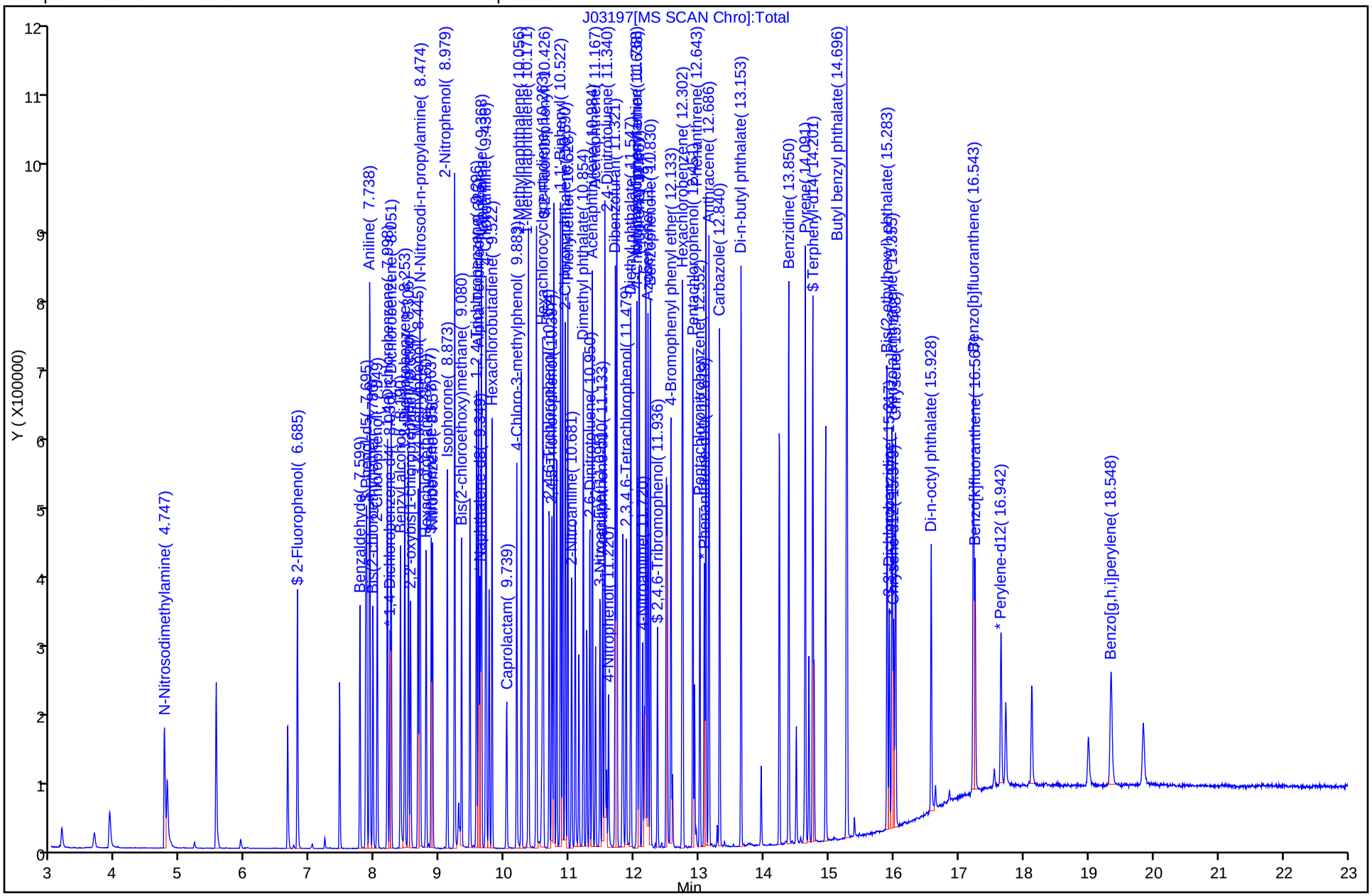
Inj Date: 28-Sep-2009 21:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49648 Lims Sample ID: 16

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:

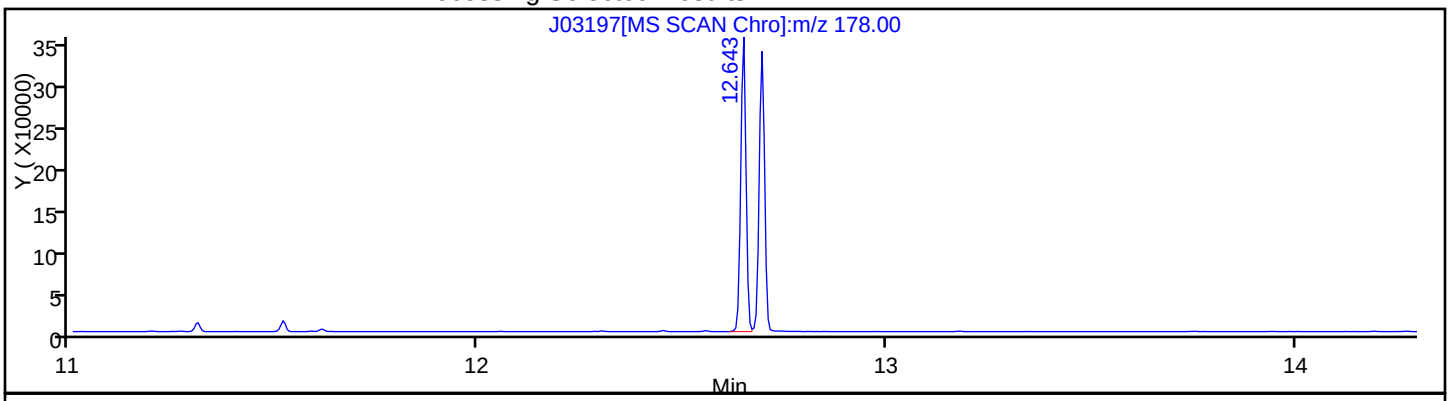


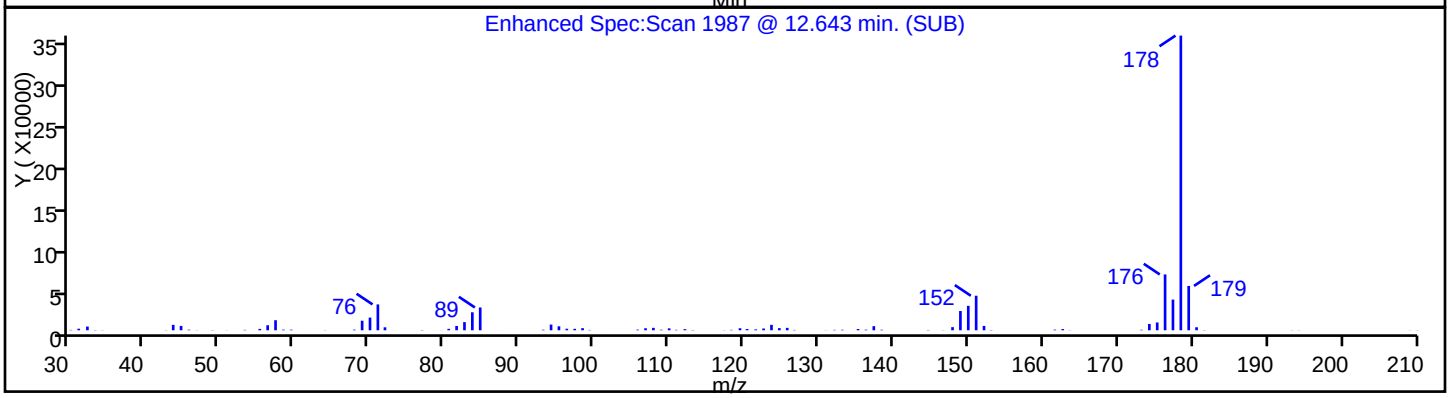
Chrom Revision: 1.1 30-Sep-2009 22:09:04
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03197.D		
Inj Date:	28-Sep-2009 21:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	16
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

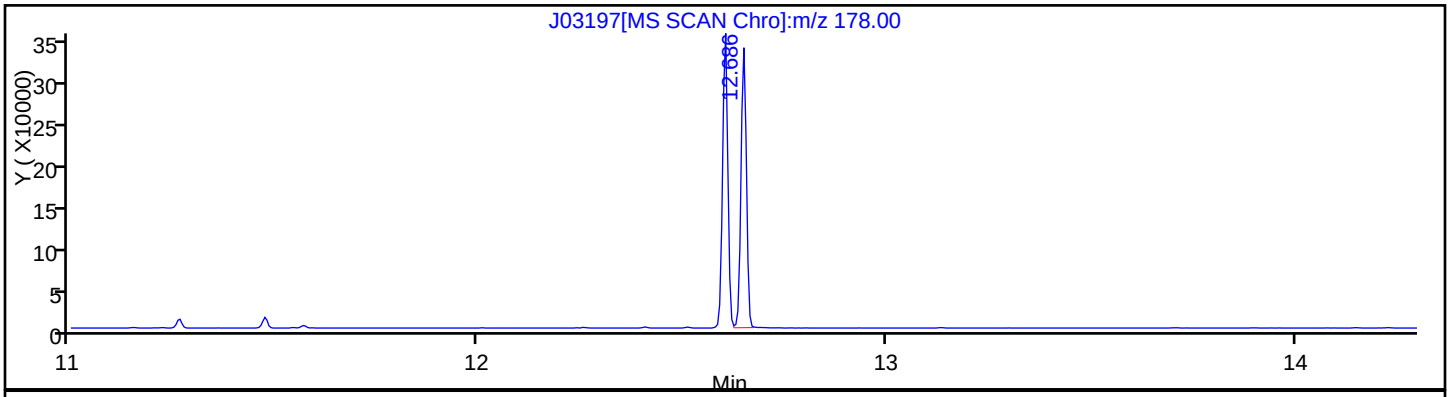
81 Anthracene

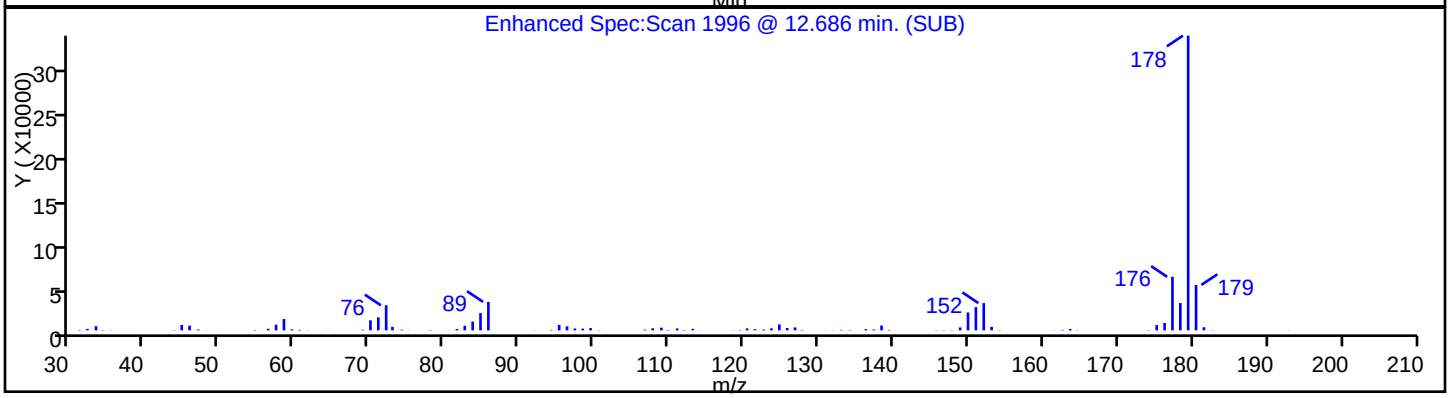
Processing Selected Results





Manual Selected Results





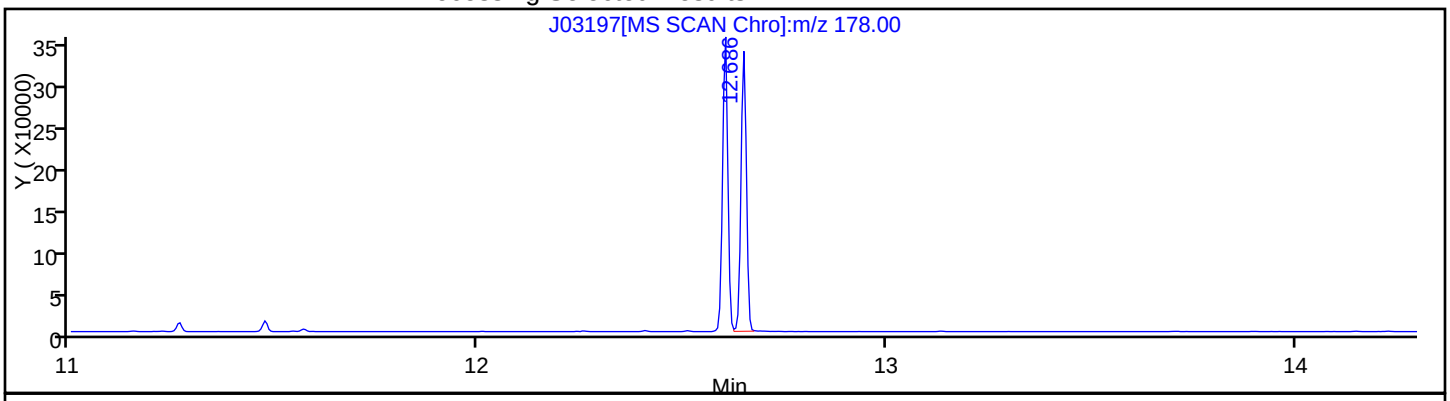
Reviewer: sullivanp, 30-Sep-2009 08:48:32
Audit Action: Selected Alternate Hit
Audit Reason:

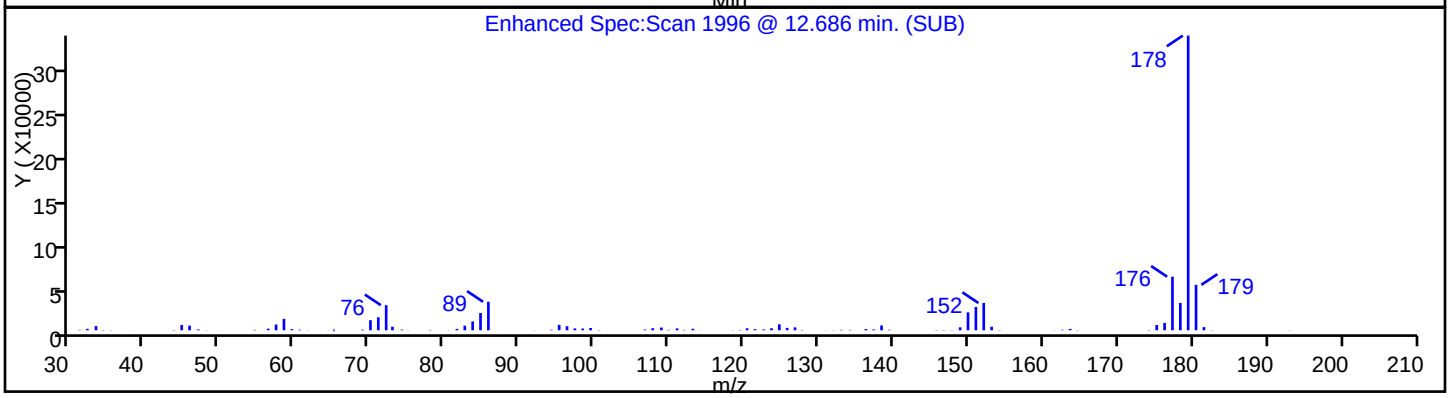
Chrom Revision: 1.1 30-Sep-2009 22:09:04
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03197.D		
Inj Date:	28-Sep-2009 21:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	16
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

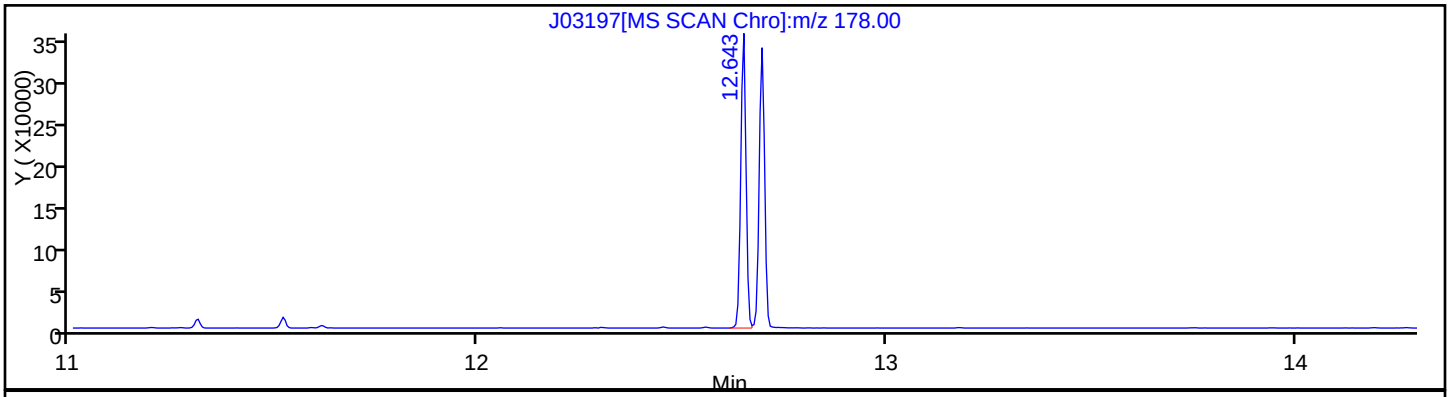
80 Phenanthrene

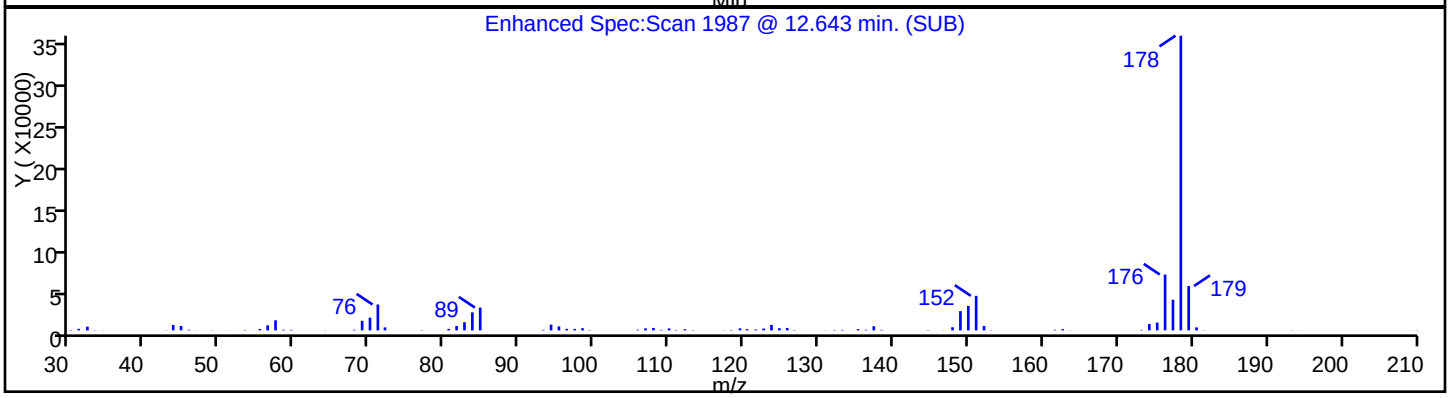
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 30-Sep-2009 08:48:32
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	25-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001300-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49509	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	01-Jan-0001 00:00:00
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	26-Sep-2009 17:23:16
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:15:44

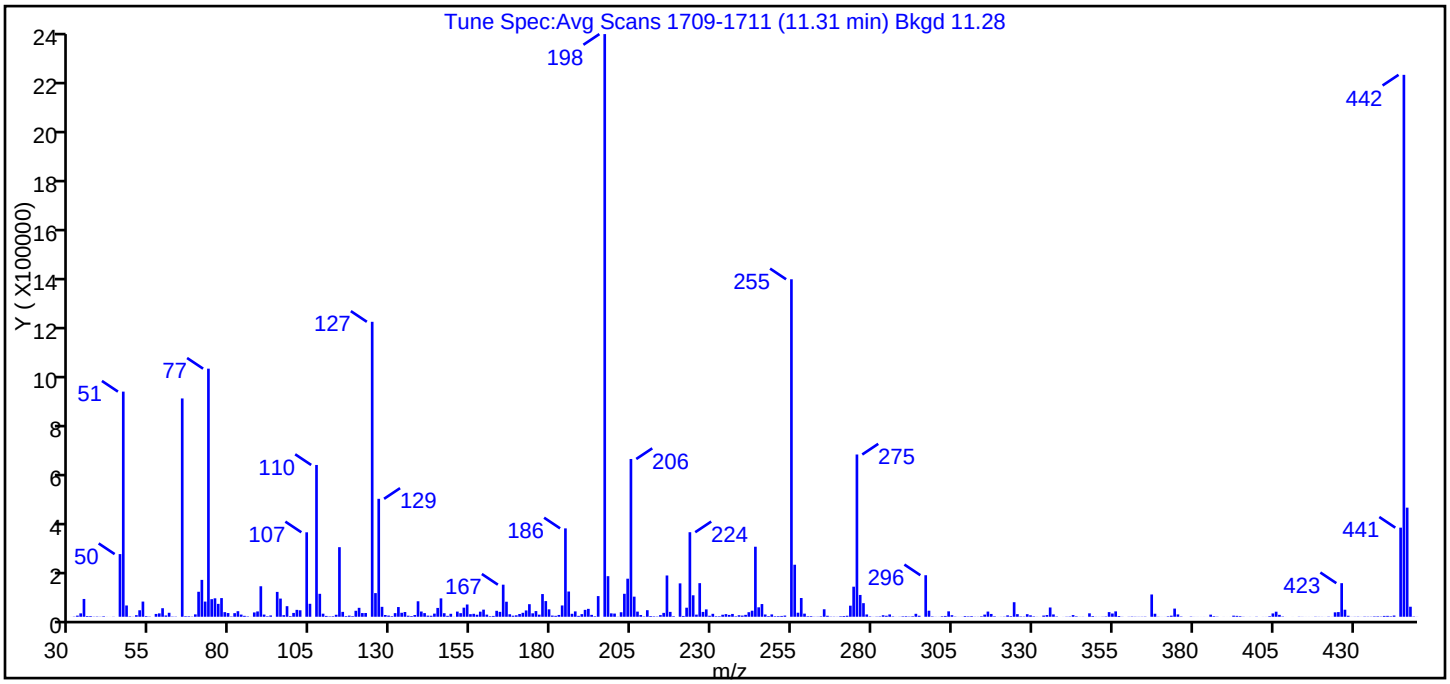
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.970	10.970	0.000	1704053		
82 DFTPP	198	11.311	11.311	0.000	2543292		
86 Benzidine	184	12.278	12.278	0.000	5678979		
88 4,4'-DDD	235	12.835	12.835	0.000	194031		
90 4,4'-DDT	235	13.244	13.244	0.000	4557348		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D		
Inj Date:	25-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.47
70	Less than 2.00% of mass 69	0.10 (0.27)
127	40.00 - 60.00% of mass 198	50.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.97
275	10.00 - 30.00% of mass 198	27.85
365	Greater than 1.00% of mass 198	3.83
441	Present, but less than mass 443%	15.29 (81.67)
442	Greater than 40.00% of mass 198	93.01
443	17.00 - 23.00% of mass 442	18.73 (20.13)

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D\8270B.rslt\spectra.d
Injection Date: 25-Sep-2009 16:56:30
Spectrum: Tune Spec:Avg Scans 1709-1711 (11.31 min) Bkgd 11.28
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	71432	110.00	608704	185.00	45368	255.00	1353216
50.00	251264	111.00	92040	186.00	354432	256.00	208640
51.00	902784	117.00	279040	187.00	101264	258.00	75216
52.00	45304	122.00	24000	192.00	27736	265.00	30088
56.00	26056	123.00	35880	193.00	31728	273.00	44448
57.00	60944	127.00	1182720	196.00	82896	274.00	120608
63.00	34336	128.00	94896	198.00	2336256	275.00	650624
69.00	875392	129.00	472960	199.00	162752	276.00	87472
74.00	100208	130.00	39824	204.00	92120	277.00	54520
75.00	147904	135.00	38984	205.00	152640	296.00	166592
76.00	60872	141.00	62168	206.00	632640	297.00	24312
77.00	994816	147.00	35448	207.00	80640	323.00	58368
78.00	70512	148.00	73784	211.00	26312	334.00	37216
79.00	74016	155.00	36488	217.00	165568	365.00	89400
80.00	51704	156.00	49200	221.00	133952	372.00	32800
81.00	74912	161.00	28584	223.00	36344	423.00	134720
93.00	122344	165.00	23920	224.00	339008	424.00	28288
98.00	99696	167.00	128696	225.00	86144	441.00	357312
99.00	72888	168.00	60328	227.00	134784	442.00	2172928
101.00	42448	174.00	25384	229.00	29632	443.00	437504
104.00	27688	175.00	50464	243.00	24288	444.00	40208
105.00	26032	179.00	91056	244.00	280832		
107.00	338688	180.00	62880	245.00	37912		
108.00	52000	181.00	29752	246.00	51000		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	25-Sep-2009 22:00:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001300-012		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49511	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:30	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:24:16
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:30

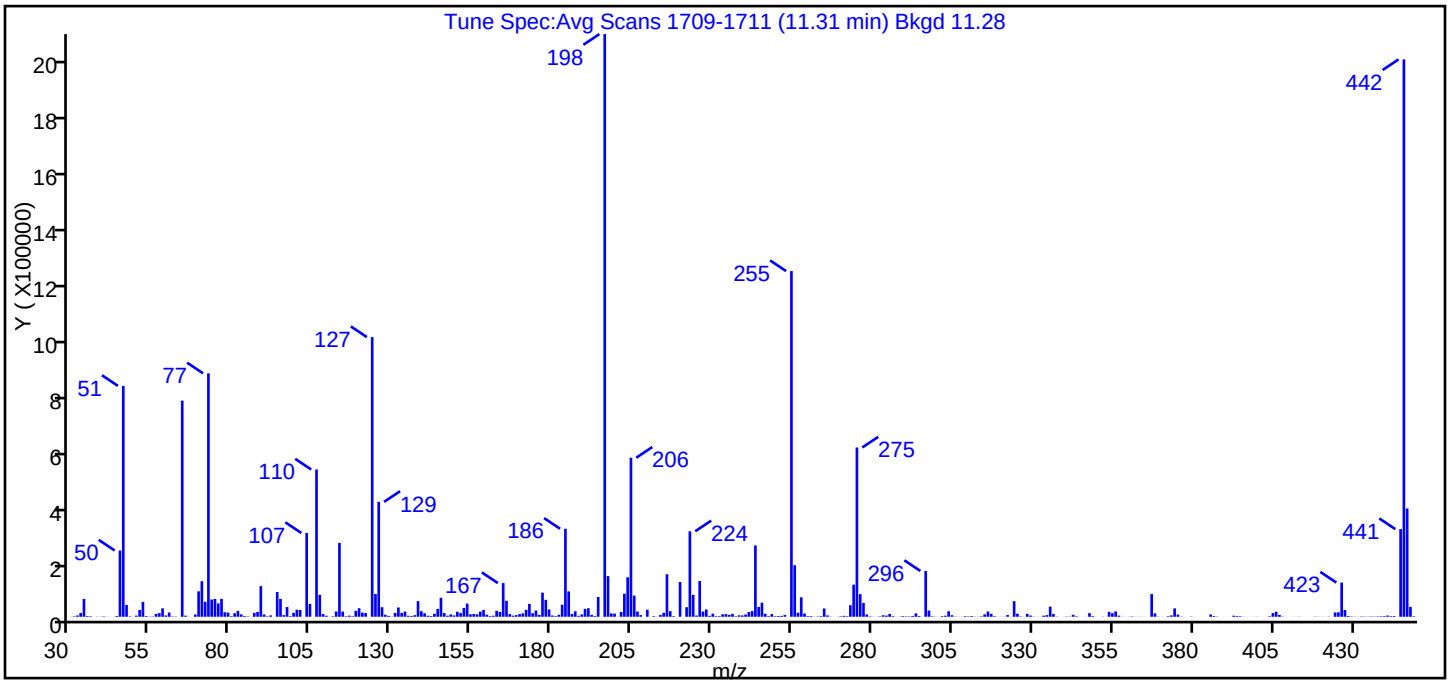
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.969	10.969	0.000	1653242		
82 DFTPP	198	11.306	11.306	0.000	2358378		
86 Benzidine	184	12.277	12.277	0.000	6648771		
88 4,4'-DDD	235	12.835	12.835	0.000	313943		
90 4,4'-DDT	235	13.244	13.244	0.000	4022302		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D		
Inj Date:	25-Sep-2009 22:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.62
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.09
70	Less than 2.00% of mass 69	0.19 (0.52)
127	40.00 - 60.00% of mass 198	48.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 30.00% of mass 198	29.05
365	Greater than 1.00% of mass 198	3.90
441	Present, but less than mass 443%	15.05 (80.95)
442	Greater than 40.00% of mass 198	95.66
443	17.00 - 23.00% of mass 442	18.59 (19.43)

Report Date: 28-Sep-2009 07:17:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D\8270B.rslt\spectra.d
Injection Date: 25-Sep-2009 22:00:30
Spectrum: Tune Spec:Avg Scans 1709-1711 (11.31 min) Bkgd 11.28
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	63000	108.00	45512	180.00	59680	246.00	49616
50.00	233536	110.00	518912	181.00	25576	255.00	1218048
51.00	813504	111.00	77384	185.00	42464	256.00	181696
52.00	41528	117.00	260352	186.00	310016	258.00	68680
56.00	24096	122.00	21024	187.00	89344	265.00	29256
57.00	52568	123.00	30216	192.00	27880	273.00	40728
63.00	29656	127.00	985472	193.00	30064	274.00	113328
69.00	761600	128.00	80288	196.00	69840	275.00	596416
74.00	89632	129.00	404800	198.00	2053120	276.00	79744
75.00	125504	130.00	33560	199.00	143424	277.00	48368
76.00	52744	135.00	32744	204.00	81352	296.00	161344
77.00	857728	141.00	55072	205.00	139136	297.00	22032
78.00	60824	147.00	27776	206.00	560448	323.00	54912
79.00	62912	148.00	67016	207.00	74576	334.00	35720
80.00	47000	155.00	31216	211.00	24752	365.00	80016
81.00	63056	156.00	46536	217.00	149824	372.00	29552
86.00	20576	161.00	23976	221.00	122472	423.00	120448
93.00	108096	165.00	21016	223.00	33776	424.00	24040
98.00	87320	167.00	118656	224.00	301184	441.00	308928
99.00	63088	168.00	56248	225.00	77424	442.00	1964032
101.00	34408	174.00	24520	227.00	126080	443.00	381632
104.00	24944	175.00	45432	229.00	25752	444.00	34912
105.00	23824	177.00	22104	244.00	251392		
107.00	295168	179.00	85056	245.00	34688		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10620.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	29-Sep-2009 16:39:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49685	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	30-Sep-2009 14:11:29	Calib Date:	29-Sep-2009 20:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 14:11:29

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.631	10.631	0.000	3802838		
82 DFTPP	198	10.992	10.992	0.000	4485953		A
86 Benzidine	184	11.906	11.906	0.000	9059139		
88 4,4'-DDD	235	12.387	12.387	0.000	479817		
90 4,4'-DDT	235	12.733	12.733	0.000	8266697		

QC Flag Legend

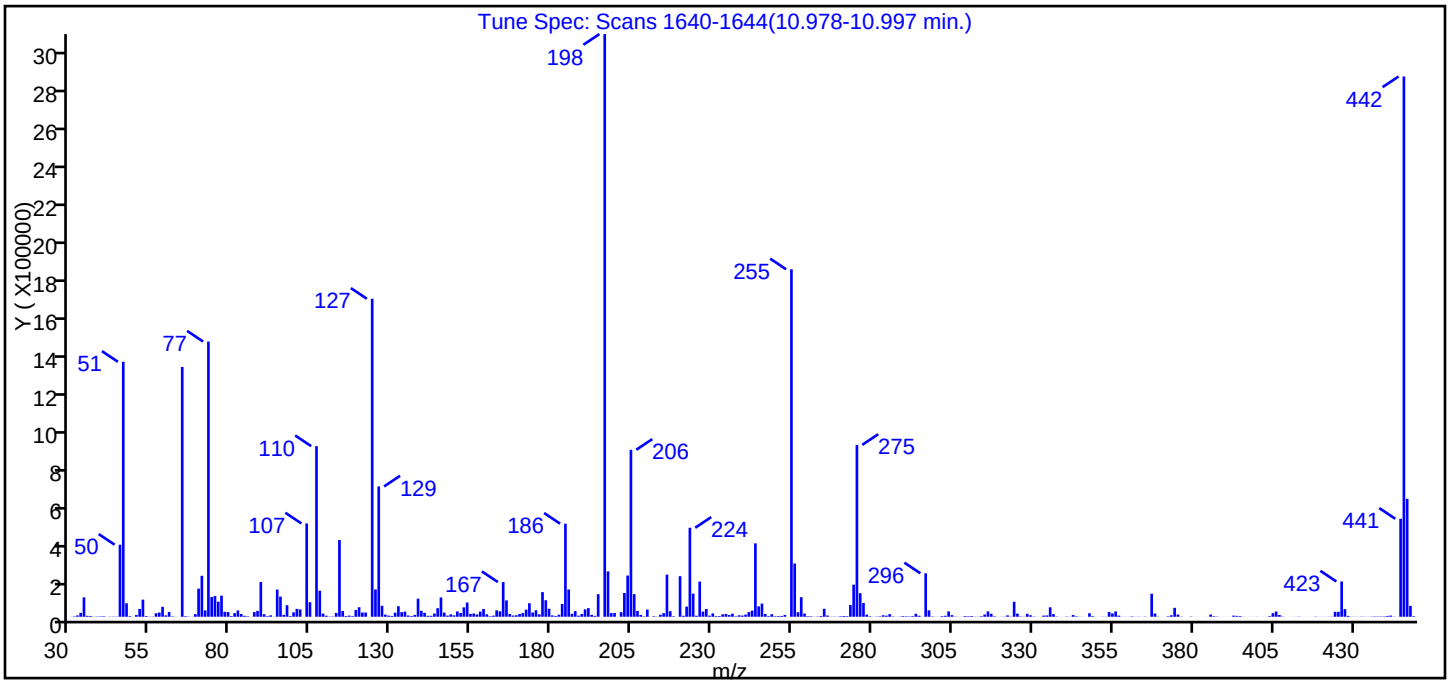
Review Flags
A - User Assigned ID

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10620.D		
Inj Date:	29-Sep-2009 16:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.76
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.87
70	Less than 2.00% of mass 69	0.11 (0.25)
127	40.00 - 60.00% of mass 198	54.58
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.79
275	10.00 - 30.00% of mass 198	29.50
365	Greater than 1.00% of mass 198	3.95
441	Present, but less than mass 443%	16.82 (83.10)
442	Greater than 40.00% of mass 198	92.72
443	17.00 - 23.00% of mass 442	20.24 (21.83)

Report Date: 30-Sep-2009 14:11:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10620.D\8270B.rslt\spectra.d
Injection Date: 29-Sep-2009 16:39:30
Spectrum: Tune Spec: Scans 1640-1644(10.978-10.997 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	101808	108.00	76024	180.00	86600	246.00	68848
50.00	376768	110.00	892224	181.00	41896	255.00	1817088
51.00	1333248	111.00	136512	185.00	67112	256.00	278336
52.00	70448	117.00	401344	186.00	486784	258.00	102296
56.00	40864	122.00	35336	187.00	142528	265.00	41704
57.00	89600	123.00	49920	192.00	38912	273.00	61880
63.00	51800	127.00	1662976	193.00	45280	274.00	167808
69.00	1306112	128.00	142912	196.00	118216	275.00	898944
74.00	147136	129.00	681408	198.00	3046912	276.00	123272
75.00	214336	130.00	57536	199.00	237248	277.00	71776
76.00	33040	135.00	55160	204.00	124288	296.00	227264
77.00	1439232	141.00	94632	205.00	215744	297.00	33696
78.00	103400	142.00	31472	206.00	873216	323.00	78608
79.00	108296	147.00	44800	207.00	118448	334.00	49456
80.00	79048	148.00	101240	211.00	37520	365.00	120440
81.00	110280	155.00	49128	217.00	220224	372.00	46640
86.00	32944	156.00	74312	221.00	212160	423.00	184512
92.00	30704	161.00	40912	223.00	53192	424.00	39904
93.00	181888	165.00	33832	224.00	465408	441.00	512448
98.00	142400	167.00	181440	225.00	120952	442.00	2825216
99.00	105272	168.00	85608	227.00	184064	443.00	616640
101.00	60584	174.00	37512	229.00	40560	444.00	56792
104.00	41376	175.00	70680	243.00	32320		
105.00	38408	177.00	34240	244.00	383936		
107.00	488064	179.00	129040	245.00	54576		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10693a.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	03-Oct-2009 16:24:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49824	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:00:46	Calib Date:	01-Jan-0001 00:00:00
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	06-Oct-2009 16:54:15
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:00:46

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

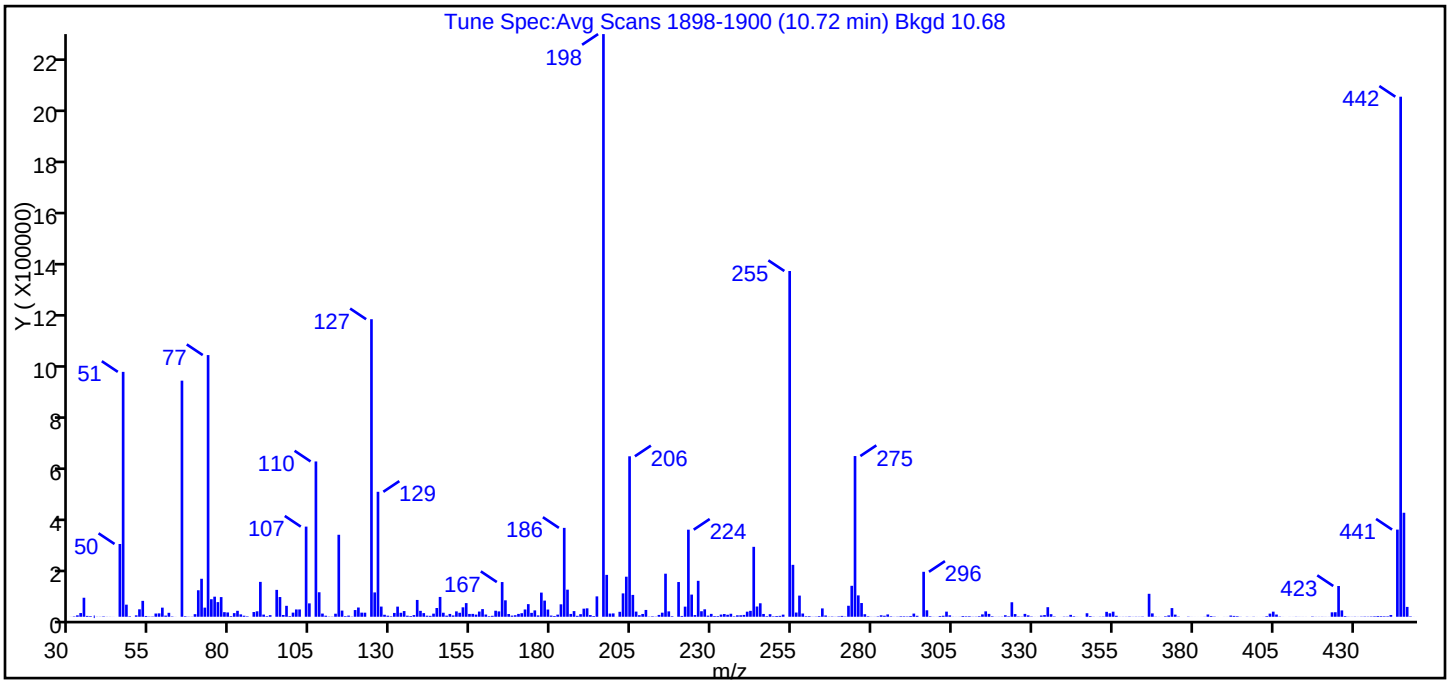
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.346	10.346	0.000	1711629		
82 DFTPP	198	10.721	10.721	0.000	2375687		
86 Benzidine	184	11.615	11.615	0.000	5441844		
88 4,4'-DDD	235	12.058	12.058	0.000	170534		
90 4,4'-DDT	235	12.351	12.351	0.000	4173757		

Chrom Revision: 1.1 01-Oct-2009 08:19:20

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10693a.D		
Inj Date:	03-Oct-2009 16:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49824	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.03
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.52
70	Less than 2.00% of mass 69	0.10 (0.24)
127	40.00 - 60.00% of mass 198	51.07
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.19
275	10.00 - 30.00% of mass 198	27.58
365	Greater than 1.00% of mass 198	3.94
441	Present, but less than mass 443%	14.96 (83.81)
442	Greater than 40.00% of mass 198	89.26
443	17.00 - 23.00% of mass 442	17.85 (20.00)

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10693a.D\8270B.rslt\spectra.d
Injection Date: 03-Oct-2009 16:24:30
Spectrum: Tune Spec:Avg Scans 1898-1900 (10.72 min) Bkgd 10.68
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	74384	110.00	607232	180.00	63216	246.00	52760
50.00	284544	111.00	95864	181.00	28280	255.00	1351680
51.00	957440	117.00	320576	185.00	48680	256.00	203008
52.00	47336	118.00	24152	186.00	347520	258.00	82760
56.00	29208	122.00	26240	187.00	105968	265.00	32720
57.00	62216	123.00	36184	192.00	31696	273.00	43048
63.00	35680	127.00	1163264	193.00	32984	274.00	121048
69.00	923072	128.00	95192	196.00	79736	275.00	628352
74.00	103656	129.00	488576	198.00	2277888	276.00	83616
75.00	148544	130.00	39832	199.00	163776	277.00	53672
76.00	35728	135.00	39648	204.00	91400	296.00	175808
77.00	1023040	141.00	65752	205.00	156608	297.00	25384
78.00	68592	142.00	23200	206.00	627392	323.00	56760
79.00	78536	147.00	34232	207.00	85472	334.00	37440
80.00	57280	148.00	77528	211.00	26680	365.00	89808
81.00	76952	155.00	36960	217.00	168384	372.00	33920
86.00	23272	156.00	53424	221.00	135808	423.00	120280
93.00	136384	161.00	29984	223.00	39584	424.00	24880
98.00	105120	165.00	23616	224.00	340480	441.00	340800
99.00	77120	167.00	135744	225.00	86704	442.00	2033152
101.00	42784	168.00	64328	227.00	140544	443.00	406656
104.00	28584	174.00	28496	229.00	29168	444.00	38544
105.00	28600	175.00	49360	243.00	23168		
107.00	352448	177.00	24944	244.00	273408		
108.00	52376	179.00	94504	245.00	40088		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10704.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	03-Oct-2009 21:28:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49826	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	06-Oct-2009 17:02:54	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	05-Oct-2009 13:52:21
Reviewed By:	sullivanp	Date:	06-Oct-2009 17:02:54

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

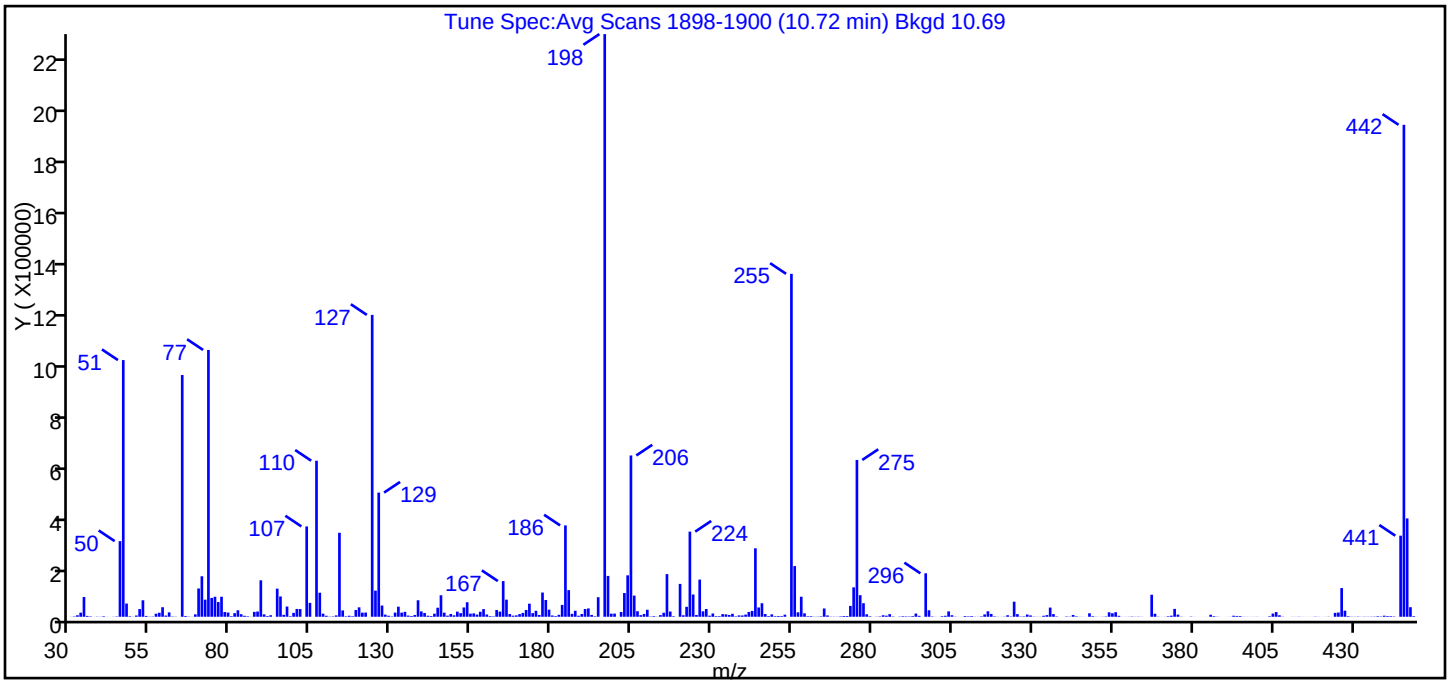
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.344	10.344	0.000	1553098		
82 DFTPP	198	10.719	10.719	0.000	2227273		
86 Benzidine	184	11.619	11.619	0.000	5274926		
88 4,4'-DDD	235	12.056	12.058	-0.002	158064		
90 4,4'-DDT	235	12.350	12.350	0.000	3797623		

Chrom Revision: 1.1 01-Oct-2009 08:19:20

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10704.D		
Inj Date:	03-Oct-2009 21:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.49
70	Less than 2.00% of mass 69	0.14 (0.34)
127	40.00 - 60.00% of mass 198	51.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 30.00% of mass 198	26.91
365	Greater than 1.00% of mass 198	3.78
441	Present, but less than mass 443%	13.92 (82.46)
442	Greater than 40.00% of mass 198	84.43
443	17.00 - 23.00% of mass 442	16.88 (19.99)

Report Date: 06-Oct-2009 17:02:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091005-1.b\B10704.D\8270B.rslt\spectra.d
Injection Date: 03-Oct-2009 21:28:30
Spectrum: Tune Spec:Avg Scans 1898-1900 (10.72 min) Bkgd 10.69
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	76936	110.00	606976	181.00	27608	246.00	52616
50.00	294208	111.00	93480	185.00	46152	255.00	1333760
51.00	998336	117.00	326656	186.00	355328	256.00	197184
52.00	51408	118.00	24648	187.00	103592	258.00	77968
56.00	29992	122.00	26336	189.00	23248	265.00	32264
57.00	64120	123.00	36688	192.00	30176	273.00	42272
63.00	37152	127.00	1174016	193.00	32408	274.00	114376
69.00	940224	128.00	101712	196.00	76128	275.00	609856
74.00	109992	129.00	482944	198.00	2266112	276.00	84008
75.00	157504	130.00	43664	199.00	158848	277.00	52752
76.00	66552	135.00	39184	204.00	92368	296.00	169024
77.00	1037760	141.00	64216	205.00	161216	297.00	25256
78.00	73296	147.00	35152	206.00	627328	323.00	58688
79.00	77776	148.00	83648	207.00	82304	334.00	35760
80.00	57216	155.00	36200	211.00	27176	365.00	85680
81.00	77920	156.00	56456	217.00	165952	372.00	30696
86.00	25312	161.00	29848	221.00	127824	423.00	111544
93.00	141824	165.00	26416	223.00	38680	424.00	23584
98.00	109400	167.00	138816	224.00	331136	441.00	315392
99.00	78904	168.00	66512	225.00	86624	442.00	1913344
101.00	39848	174.00	26360	227.00	144576	443.00	382464
104.00	30376	175.00	50912	229.00	30216	444.00	37208
105.00	30048	177.00	23232	243.00	22816		
107.00	351424	179.00	94192	244.00	266240		
108.00	53952	180.00	65160	245.00	36184		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 14:44:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49396	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	24-Sep-2009 15:15:50	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	24-Sep-2009 15:15:50

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.031	13.031	0.000	377926		
82 DFTPP	198	13.387	13.387	0.000	446888		A
86 Benzidine	184	14.531	14.531	0.000	1216565		
88 4,4'-DDD	235	15.094	15.094	0.000	67358		
90 4,4'-DDT	235	15.421	15.421	0.000	900790		

QC Flag Legend

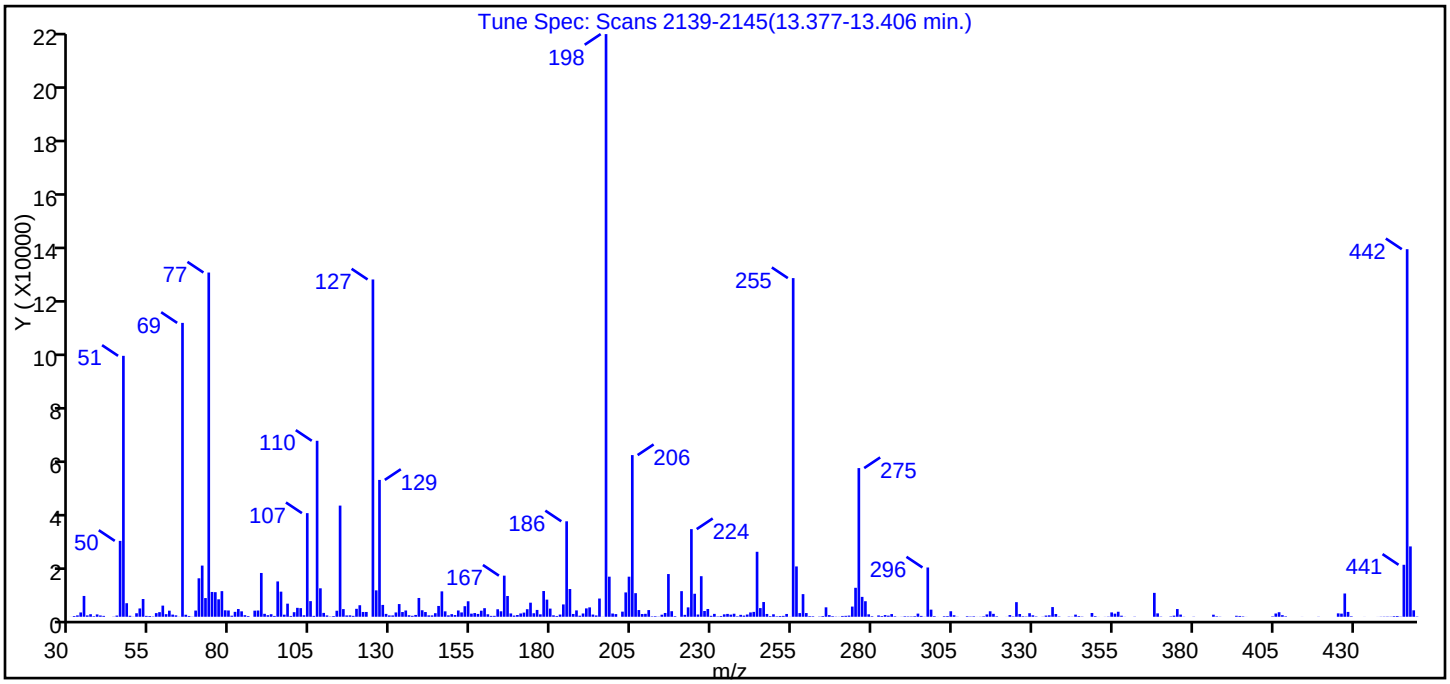
Review Flags
A - User Assigned ID

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D		
Inj Date:	23-Sep-2009 14:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.78
68	Less than 2.00% of mass 69	0.02 (0.04)
69	Mass 69 relative abundance	50.44
70	Less than 2.00% of mass 69	0.35 (0.69)
127	40.00 - 60.00% of mass 198	57.89
197	Less than 1.00% of mass 198	0.02
199	5.00 - 9.00% of mass 198	6.88
275	10.00 - 30.00% of mass 198	25.52
365	Greater than 1.00% of mass 198	4.10
441	Present, but less than mass 443%	8.92 (73.90)
442	Greater than 40.00% of mass 198	63.08
443	17.00 - 23.00% of mass 442	12.07 (19.14)

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D\8270NDMA.rslt\spectra.d
Injection Date: 23-Sep-2009 14:44:30
Spectrum: Tune Spec: Scans 2139-2145(13.377-13.406 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	7636	104.00	3278	167.00	15085	225.00	8441
50.00	27840	105.00	3164	168.00	7617	227.00	14885
51.00	95728	107.00	38016	174.00	2774	229.00	2854
52.00	4971	108.00	5736	175.00	5165	244.00	23840
56.00	3050	110.00	64560	177.00	2508	245.00	3181
57.00	6515	111.00	10444	179.00	9445	246.00	5405
63.00	4092	116.00	2214	180.00	6290	255.00	124240
65.00	2237	117.00	40784	181.00	2996	256.00	18464
69.00	107816	118.00	2814	185.00	4530	258.00	8308
73.00	2279	122.00	2917	186.00	35024	265.00	3464
74.00	14114	123.00	4233	187.00	10185	273.00	3739
75.00	18776	127.00	123744	189.00	2333	274.00	10628
76.00	6862	128.00	9692	192.00	3076	275.00	54544
77.00	126288	129.00	50208	193.00	3443	276.00	7295
78.00	9099	130.00	4347	196.00	6689	277.00	5701
79.00	9023	135.00	4662	198.00	213760	296.00	18080
80.00	6406	137.00	2300	199.00	14708	297.00	2618
81.00	9403	141.00	6894	204.00	8932	323.00	5364
82.00	2373	142.00	2389	205.00	14705	334.00	3559
83.00	2309	147.00	3967	206.00	59312	365.00	8768
86.00	2837	148.00	9322	207.00	8659	372.00	2833
91.00	2245	153.00	2307	208.00	2464	423.00	8538
92.00	2302	155.00	3878	211.00	2450	441.00	19072
93.00	16067	156.00	5685	217.00	15673	442.00	134848
98.00	12966	160.00	2228	221.00	9400	443.00	25808
99.00	9215	161.00	3152	223.00	3447	444.00	2364
101.00	4811	165.00	2752	224.00	32160		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03151.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	26-Sep-2009 12:31:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001303-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49520	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:22:23	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	26-Sep-2009 13:01:32
Reviewed By:	rachtank	Date:	27-Sep-2009 10:22:23

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.691	12.691	0.000	309415		
82 DFTPP	198	13.071	13.071	0.000	531581		
86 Benzidine	184	14.182	14.182	0.000	1208602		
88 4,4'-DDD	235	14.735	14.735	0.000	161615		
90 4,4'-DDT	235	15.052	15.052	0.000	825799		

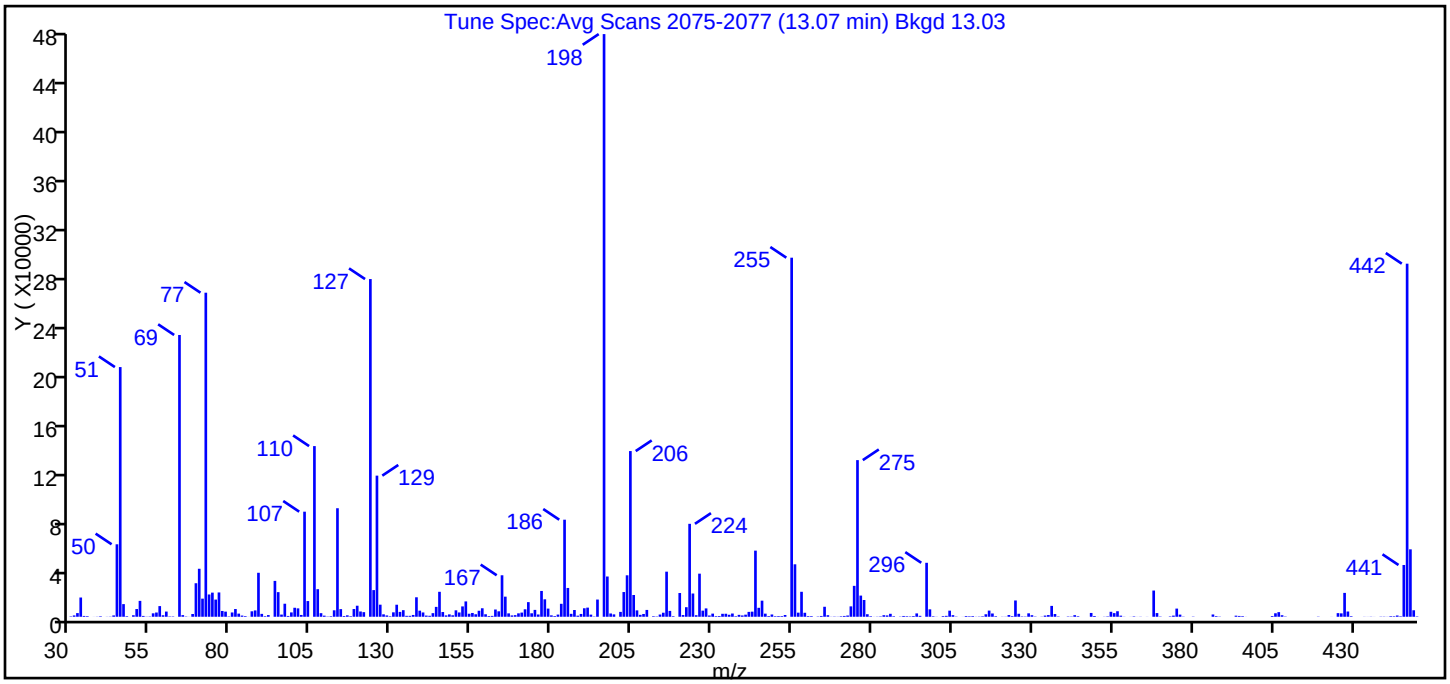
Report Date: 27-Sep-2009 10:22:24

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03151.D		
Inj Date:	26-Sep-2009 12:31:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49520	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.85
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.36
70	Less than 2.00% of mass 69	0.28 (0.58)
127	40.00 - 60.00% of mass 198	57.96
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	26.88
365	Greater than 1.00% of mass 198	4.50
441	Present, but less than mass 443%	8.89 (76.78)
442	Greater than 40.00% of mass 198	60.60
443	17.00 - 23.00% of mass 442	11.57 (19.10)

Report Date: 27-Sep-2009 10:22:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03151.D\8270NDMA.rslt\spectra.d
Injection Date: 26-Sep-2009 12:31:30
Spectrum: Tune Spec:Avg Scans 2075-2077 (13.07 min) Bkgd 13.03
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	15624	111.00	22384	179.00	20952	244.00	53664
50.00	58816	116.00	5246	180.00	14174	245.00	7267
51.00	202624	117.00	88080	181.00	6633	246.00	13066
52.00	10265	118.00	6201	185.00	10519	255.00	291392
56.00	6266	122.00	6285	186.00	78776	256.00	42576
57.00	12892	123.00	8962	187.00	23376	258.00	20272
63.00	8661	127.00	274048	189.00	5482	265.00	8111
69.00	228672	128.00	21640	192.00	6907	273.00	8438
74.00	27216	129.00	114528	193.00	7418	274.00	25080
75.00	38952	130.00	9807	196.00	13979	275.00	127120
76.00	14709	135.00	9766	198.00	472832	276.00	17184
77.00	262976	137.00	5349	199.00	32672	277.00	13604
78.00	18088	141.00	15815	204.00	20064	296.00	43800
79.00	19584	142.00	4948	205.00	33648	297.00	6021
80.00	13954	147.00	8020	206.00	134464	303.00	4951
81.00	19736	148.00	20264	207.00	17664	315.00	4996
86.00	6278	153.00	5233	208.00	5195	323.00	13218
92.00	5148	155.00	8407	211.00	5544	334.00	8825
93.00	35696	156.00	12458	217.00	36600	365.00	21280
98.00	29104	160.00	4880	218.00	4761	372.00	6630
99.00	19984	161.00	6907	221.00	19272	423.00	19376
101.00	10582	165.00	5889	223.00	7762	441.00	42016
104.00	7301	167.00	33672	224.00	75424	442.00	286528
105.00	6825	168.00	16320	225.00	18872	443.00	54720
107.00	85280	174.00	6055	227.00	34984	444.00	5279
108.00	12752	175.00	11877	228.00	4976		
110.00	138496	177.00	5583	229.00	6786		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03182.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	28-Sep-2009 13:30:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49645	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	29-Sep-2009 15:21:54	Calib Date:	01-Jan-0001 00:00:00
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 15:21:54

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.477	12.477	0.000	275880		
82 DFTPP	198	12.871	12.871	0.000	415725		A
86 Benzidine	184	13.963	13.963	0.000	695977		
88 4,4'-DDD	235	14.516	14.516	0.000	48775		
90 4,4'-DDT	235	14.829	14.829	0.000	659400		

QC Flag Legend

Review Flags
A - User Assigned ID

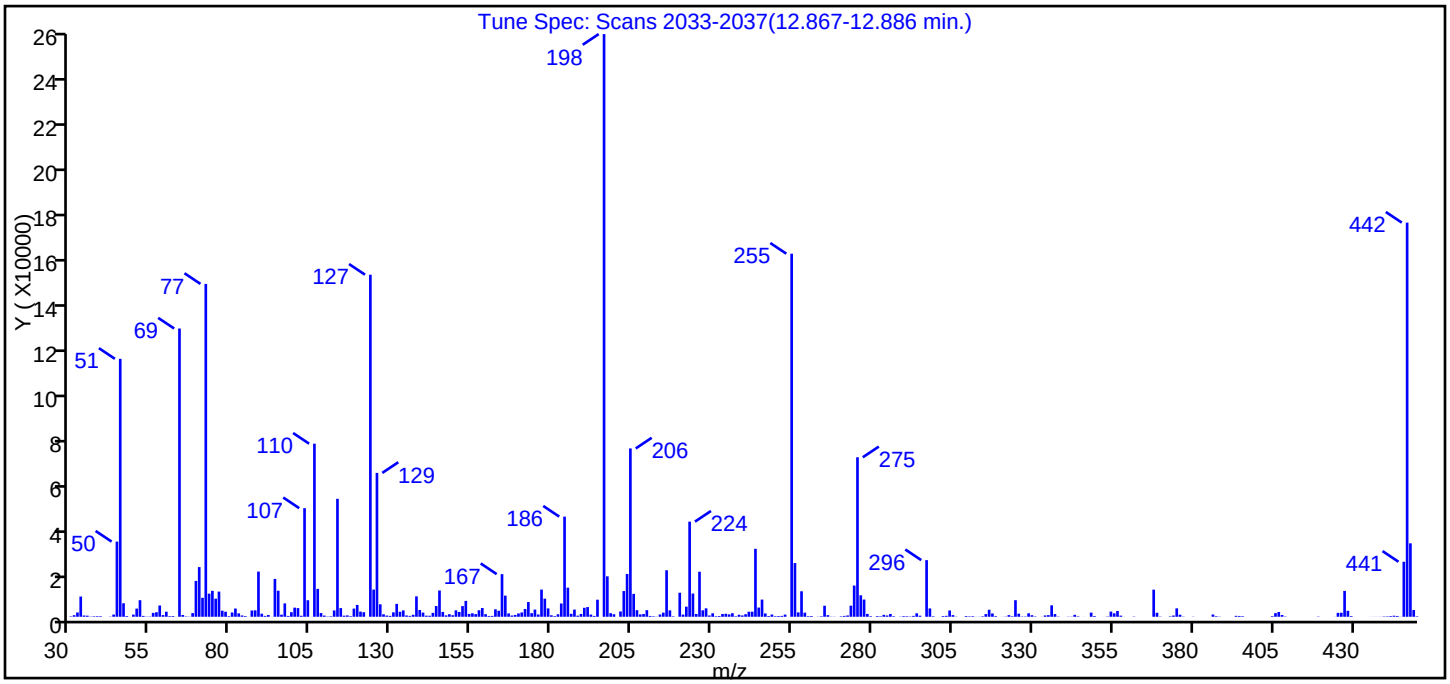
Report Date: 29-Sep-2009 15:21:54

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03182.D		
Inj Date:	28-Sep-2009 13:30:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49645	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.27
68	Less than 2.00% of mass 69	0.01 (0.02)
69	Mass 69 relative abundance	49.47
70	Less than 2.00% of mass 69	0.30 (0.61)
127	40.00 - 60.00% of mass 198	58.71
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	27.37
365	Greater than 1.00% of mass 198	4.66
441	Present, but less than mass 443%	9.44 (74.90)
442	Greater than 40.00% of mass 198	67.65
443	17.00 - 23.00% of mass 442	12.60 (18.63)

Report Date: 29-Sep-2009 15:21:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03182.D\8270NDMA.rslt\spectra.d
Injection Date: 28-Sep-2009 13:30:30
Spectrum: Tune Spec: Scans 2033-2037(12.867-12.886 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	8978	110.00	76984	177.00	3208	244.00	30224
50.00	33424	111.00	12395	179.00	12095	245.00	4088
51.00	114720	116.00	2806	180.00	8054	246.00	7646
52.00	6002	117.00	52464	181.00	3723	255.00	161472
56.00	3628	118.00	3863	185.00	5908	256.00	23880
57.00	7372	122.00	3636	186.00	44544	258.00	11345
63.00	5011	123.00	5267	187.00	12943	265.00	4899
69.00	128200	127.00	152128	189.00	3196	273.00	4926
74.00	15950	128.00	12097	192.00	3995	274.00	13884
75.00	22088	129.00	63984	193.00	4321	275.00	70936
76.00	8429	130.00	5544	196.00	7592	276.00	9552
77.00	148032	135.00	5726	198.00	259136	277.00	7659
78.00	10288	137.00	2834	199.00	17976	296.00	25192
79.00	11545	141.00	9070	204.00	11427	297.00	3699
80.00	8052	142.00	3009	205.00	19040	303.00	2797
81.00	11183	147.00	4769	206.00	74856	315.00	3117
82.00	2704	148.00	11689	207.00	10177	323.00	7363
86.00	3659	153.00	2864	208.00	2937	334.00	5093
91.00	2787	155.00	4753	211.00	2936	365.00	12064
92.00	2859	156.00	7066	217.00	20688	372.00	3747
93.00	20096	160.00	2898	218.00	2855	423.00	11491
98.00	16840	161.00	3896	221.00	10680	424.00	2656
99.00	11586	165.00	3326	223.00	4484	441.00	24464
101.00	5940	166.00	2673	224.00	42304	442.00	175296
104.00	4049	167.00	18968	225.00	10337	443.00	32664
105.00	3861	168.00	9398	227.00	20040	444.00	3014
107.00	48296	174.00	3465	228.00	2860		
108.00	7353	175.00	6542	229.00	3750		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03196.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	28-Sep-2009 21:11:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49648	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	29-Sep-2009 17:05:58	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 15:21:44
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:05:57

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.481	12.479	0.002	268599		
82 DFTPP	198	12.875	12.875	0.000	444833		
86 Benzidine	184	13.962	13.960	0.002	1197057		
88 4,4'-DDD	235	14.515	14.735	-0.220	109332		
90 4,4'-DDT	235	14.827	14.827	0.000	660844		

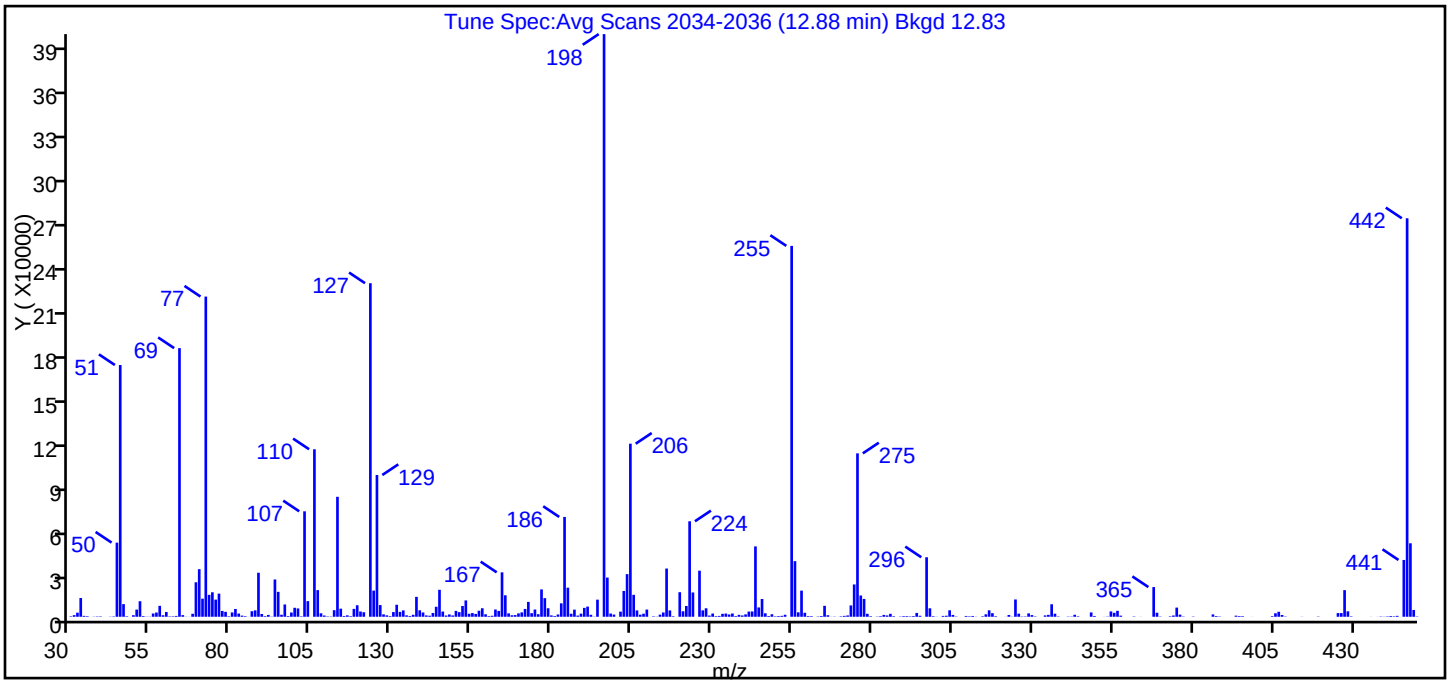
Report Date: 29-Sep-2009 17:05:58

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03196.D		
Inj Date:	28-Sep-2009 21:11:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49648	Lims Sample ID:	15
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.21
68	Less than 2.00% of mass 69	0.15 (0.32)
69	Mass 69 relative abundance	46.11
70	Less than 2.00% of mass 69	0.28 (0.61)
127	40.00 - 60.00% of mass 198	57.25
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 30.00% of mass 198	28.04
365	Greater than 1.00% of mass 198	5.10
441	Present, but less than mass 443%	9.75 (77.30)
442	Greater than 40.00% of mass 198	68.39
443	17.00 - 23.00% of mass 442	12.61 (18.44)

Report Date: 29-Sep-2009 17:05:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03196.D\8270NDMA.rslt\spectra.d
Injection Date: 28-Sep-2009 21:11:30
Spectrum: Tune Spec:Avg Scans 2034-2036 (12.88 min) Bkgd 12.83
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	12642	111.00	17968	177.00	4893	229.00	5722
50.00	49992	116.00	4435	179.00	18448	244.00	47440
51.00	169728	117.00	80888	180.00	12563	245.00	6294
52.00	8528	118.00	5455	181.00	5756	246.00	11992
56.00	4828	122.00	5317	185.00	9055	255.00	250048
57.00	10484	123.00	7766	186.00	67304	256.00	37488
63.00	7360	127.00	224896	187.00	19608	258.00	17624
69.00	181120	128.00	17640	189.00	4815	265.00	7379
74.00	23256	129.00	95576	192.00	5999	273.00	7658
75.00	32088	130.00	7887	193.00	6872	274.00	21792
76.00	12194	135.00	8090	196.00	11541	275.00	110168
77.00	215872	137.00	4301	198.00	392832	276.00	14341
78.00	14783	141.00	13426	199.00	26440	277.00	12018
79.00	16504	142.00	4378	204.00	17400	296.00	40128
80.00	11564	147.00	6739	205.00	28744	297.00	5712
81.00	15609	148.00	18192	206.00	116688	303.00	4377
86.00	5255	153.00	3967	207.00	14794	315.00	4346
92.00	4325	155.00	7261	208.00	4270	323.00	11668
93.00	29696	156.00	11025	211.00	4861	334.00	8439
98.00	25152	160.00	4080	217.00	32512	354.00	3998
99.00	16808	161.00	5750	218.00	4267	365.00	20024
101.00	8298	165.00	4900	221.00	16568	372.00	6186
104.00	6048	166.00	3929	223.00	7283	423.00	17960
105.00	5627	167.00	29960	224.00	64376	441.00	38296
107.00	71096	168.00	14484	225.00	16381	442.00	268672
108.00	10542	174.00	5282	227.00	31072	443.00	49544
110.00	112928	175.00	10023	228.00	4319	444.00	4595

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-48980/1-A

Matrix: Water | Lab File ID: B10558.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 22:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		5.0	0.50
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		5.0	0.50
90-12-0	1-Methylnaphthalene	ND		5.0	0.050
58-90-2	2,3,4,6-Tetrachlorophenol	ND		5.0	0.50
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
95-57-8	2-Chlorophenol	ND		5.0	0.50
120-83-2	2,4-Dichlorophenol	ND		5.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.50
95-48-7	2-Methylphenol	ND		5.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.50
91-57-6	2-Methylnaphthalene	ND		1.0	0.050
15831-10-4	3 & 4 Methylphenol	ND		5.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.50
91-58-7	2-Chloronaphthalene	ND		5.0	0.50
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.50
88-75-5	2-Nitrophenol	ND		5.0	0.50
106-47-8	4-Chloroaniline	ND		5.0	0.50
99-09-2	3-Nitroaniline	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		5.0	0.50
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.50
83-32-9	Acenaphthene	ND		1.0	0.050
208-96-8	Acenaphthylene	ND		0.30	0.050
100-02-7	4-Nitrophenol	ND		5.0	0.50
62-53-3	Aniline	ND		5.0	0.50
100-01-6	4-Nitroaniline	ND		5.0	0.50
103-33-3	Azobenzene	ND		5.0	0.50
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.50
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.50
65-85-0	Benzoic acid	ND		5.0	0.50
120-12-7	Anthracene	ND		1.0	0.070
100-51-6	Benzyl alcohol	ND		10	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID: | Lab Sample ID: MB 360-48980/1-A
Matrix: Water | Lab File ID: B10558.D
Analysis Method: 8270C LL | Date Collected:
Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56
Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 22:56
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: 1.0(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.50
85-68-7	Butyl benzyl phthalate	ND		5.0	0.50
56-55-3	Benzo[a]anthracene	ND		0.30	0.17
105-60-2	Caprolactam	ND		5.0	0.50
218-01-9	Chrysene	ND		1.0	0.17
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.14
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.17
50-32-8	Benzo[a]pyrene	ND		0.20	0.10
132-64-9	Dibenzofuran	ND		5.0	0.50
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.064
84-66-2	Diethyl phthalate	ND		5.0	0.50
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.094
131-11-3	Dimethyl phthalate	ND		5.0	0.50
98-86-2	Acetophenone	ND		5.0	0.50
84-74-2	Di-n-butyl phthalate	0.838	J	5.0	0.60
117-81-7	Bis(2-ethylhexyl) phthalate	3.41		2.0	0.50
117-84-0	Di-n-octyl phthalate	ND		5.0	0.73
206-44-0	Fluoranthene	ND		1.0	0.20
86-73-7	Fluorene	ND		1.0	0.050
118-74-1	Hexachlorobenzene	ND		1.0	0.50
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.50
67-72-1	Hexachloroethane	ND		3.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.079
78-59-1	Isophorone	ND		5.0	0.50
98-95-3	Nitrobenzene	ND		5.0	0.50
1912-24-9	Atrazine	ND		5.0	0.50
100-52-7	Benzaldehyde	ND		5.0	0.50
86-74-8	Carbazole	ND		5.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.50
119-61-9	Benzophenone	ND		5.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.50
101-84-8	Diphenyl oxide	ND		5.0	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-48980/1-A

Matrix: Water | Lab File ID: B10558.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 22:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	ND		1.0	0.50
122-39-4	Diphenylamine	ND		5.0	0.50
85-01-8	Phenanthrene	ND		0.20	0.085
108-95-2	Phenol	ND		5.0	0.50
129-00-0	Pyrene	ND		5.0	0.19

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	67	15-110	
321-60-8	2-Fluorobiphenyl	69	30-130	
367-12-4	2-Fluorophenol	26	15-110	
4165-60-0	Nitrobenzene-d5	81	30-130	
4165-62-2	Phenol-d5	13	15-110	X
1718-51-0	Terphenyl-d14	87	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 360-48980/1-A
Matrix: Water
Lab File ID: B10558.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3510C
Date Extracted: 09/15/2009 14:56
Sample wt/vol: 1000(mL)
Date Analyzed: 09/25/2009 22:56
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49511
Units: ug/L
Number TICs Found: 4
TIC Result Total: 1.571

CAS NO.	COMPOUND NAME	RT	RESULT	Q
111-76-2	Ethanol, 2-butoxy-	6.28	0.690	T J N
138-86-3	Limonene	7.35	0.320	T J N
772-0-9	1,3-Dioxane, 4-phenyl-	9.22	0.294	T J N
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.84	0.267	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D		
Lims ID:	MB 360-48980/1-A	Client ID:	
Inject. Date:	25-Sep-2009 22:56:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48980/1-a		
Misc. Info.:	360-0001300-014		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49511	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:34:59
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:44

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.254	-0.001	331274	2.00	
* 2 Naphthalene-d8	136	8.388	8.389	-0.001	763781	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	360857	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	575276	2.00	
* 5 Chrysene-d12	240	14.038	14.044	-0.006	399423	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	293965	2.00	
$ 7 2-Fluorophenol	112	5.945	5.941	0.004	225112	2.61	
$ 8 Phenol-d5	99	6.897	6.898	-0.001	146288	1.34	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	417863	4.04	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	828940	3.47	
$ 11 2,4,6-Tribromophenol	330	10.542	10.543	-0.001	148158	6.75	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	672799	4.35	
17 Benzaldehyde	105	6.849	6.850	-0.001	7205	0.1199	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	2623	0.0222	
30 Acetophenone	105	7.614	7.614	0.000	26414	0.1984	
41 Naphthalene	128	8.407	8.408	-0.001	10241	0.0362	
46 2-Methylnaphthalene	142	8.989	8.995	-0.006	4625	0.0248	
47 1-Methylnaphthalene	142	9.076	9.081	-0.005	1890	0.0104	
52 1,1'-Biphenyl	154	9.378	9.379	-0.001	1949	0.007736	7
64 Dibenzofuran	168	10.052	10.052	0.000	2846	0.0104	
66 Diethyl phthalate	149	10.196	10.202	-0.006	18453	0.0806	
74 Azobenzene	77	10.460	10.456	0.004	7497	0.0215	
13 Benzophenone	105	10.465	10.466	-0.001	8601	0.0422	
80 Phenanthrene	178	11.153	11.154	-0.001	5870	0.0203	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	298024	0.8383	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	9139	0.0774	

Report Date: 28-Sep-2009 07:17:44 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	627604	3.41	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D		
Lims ID:	MB 360-48980/1-A	Client ID:	
Inject. Date:	25-Sep-2009 22:56:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48980/1-a		
Misc. Info.:	360-0001300-014		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49511	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:34:59
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:44

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
111-76-2	Ethanol, 2-butoxy-					
6.277	492247	0.6904	1	91	112447	
138-86-3	Limonene					
7.354	227940	0.3197	1	94	114006	
772-0-9	1,3-Dioxane, 4-phenyl-					
9.220	354008	0.2937	3	94	119270	
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-					
9.835	322072	0.2672	3	93	80518	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.253	1425916	2.00
* 3 Acenaphthene-d10	9.879	2410983	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:17:44 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

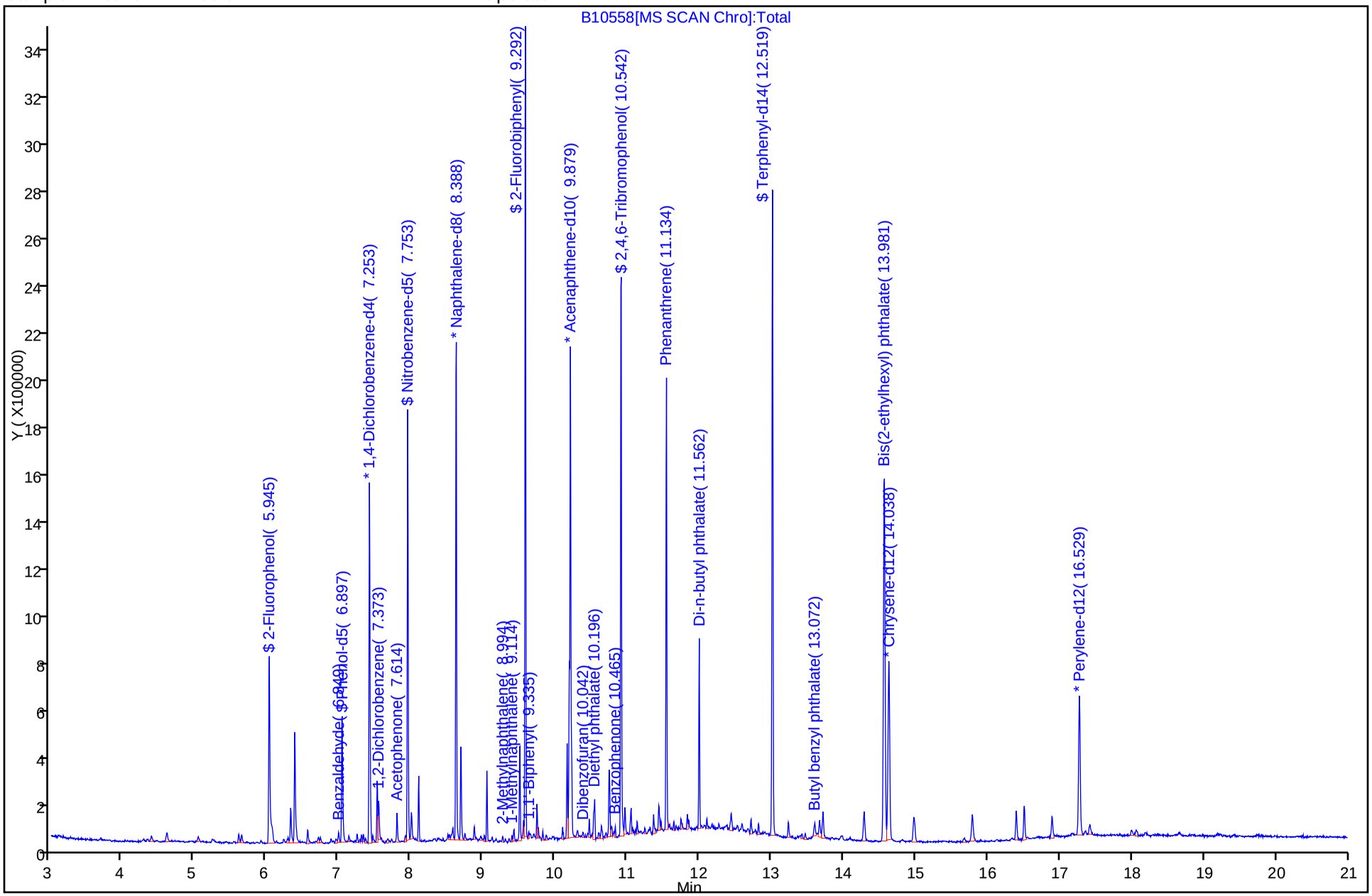
Inj Date: 25-Sep-2009 22:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: mb 360-48980/1-a

Sample Amount: 1.00 ul Operator: MZ



Report Date: 28-Sep-2009 07:17:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

Inj Date: 25-Sep-2009 22:56:30 Limit Group: SMS - 8270LL SVOA Calibration

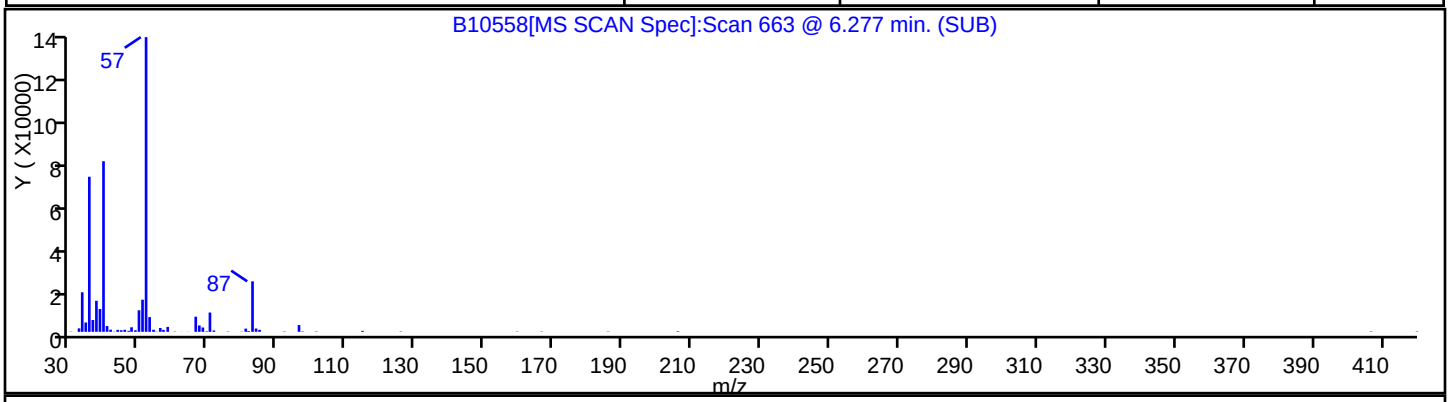
Lims Batch ID: 49511 Lims Sample ID: 14

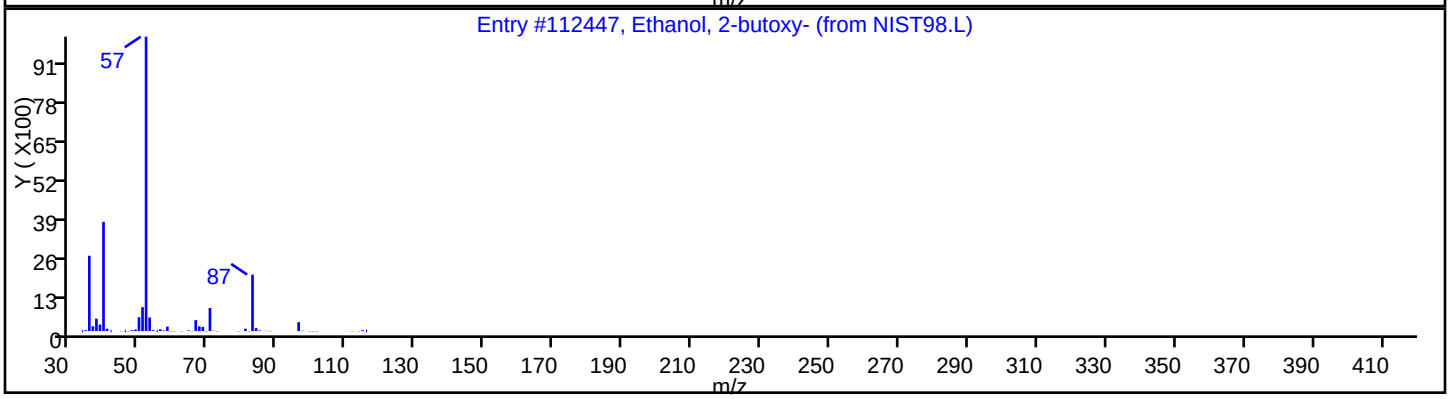
Client ID: Instrument: Inst. B

Sample Info: mb 360-48980/1-a

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 2-butoxy-	111-76-2	NIST98.L	112447	91





Report Date: 28-Sep-2009 07:17:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

Inj Date: 25-Sep-2009 22:56:30 Limit Group: SMS - 8270LL SVOA Calibration

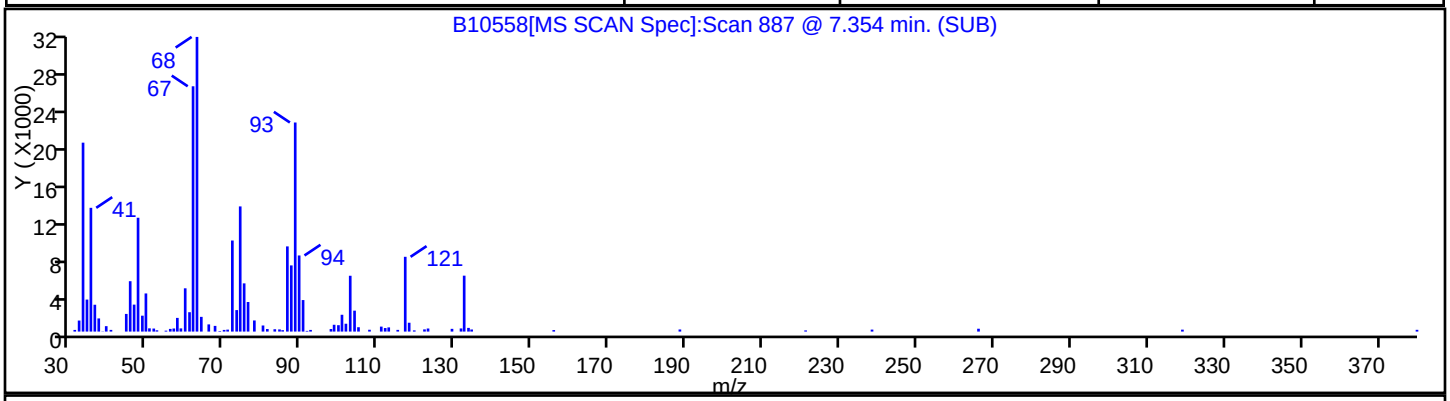
Lims Batch ID: 49511 Lims Sample ID: 14

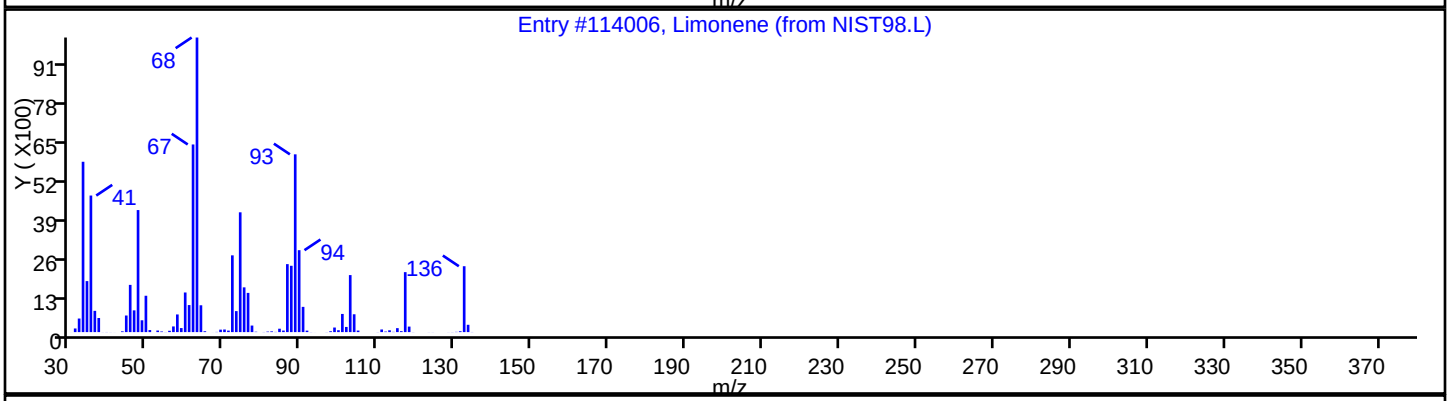
Client ID: Instrument: Inst. B

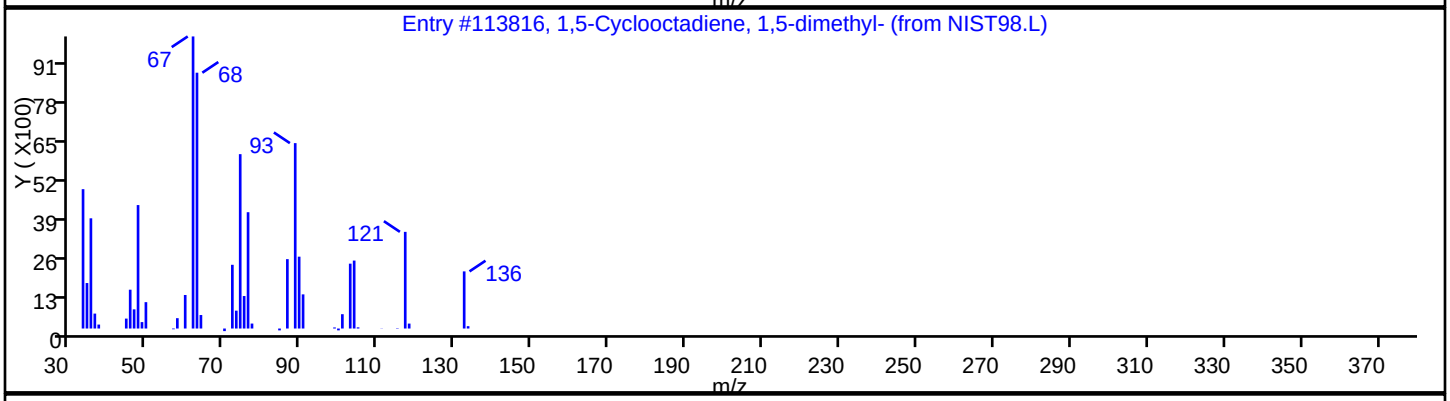
Sample Info: mb 360-48980/1-a

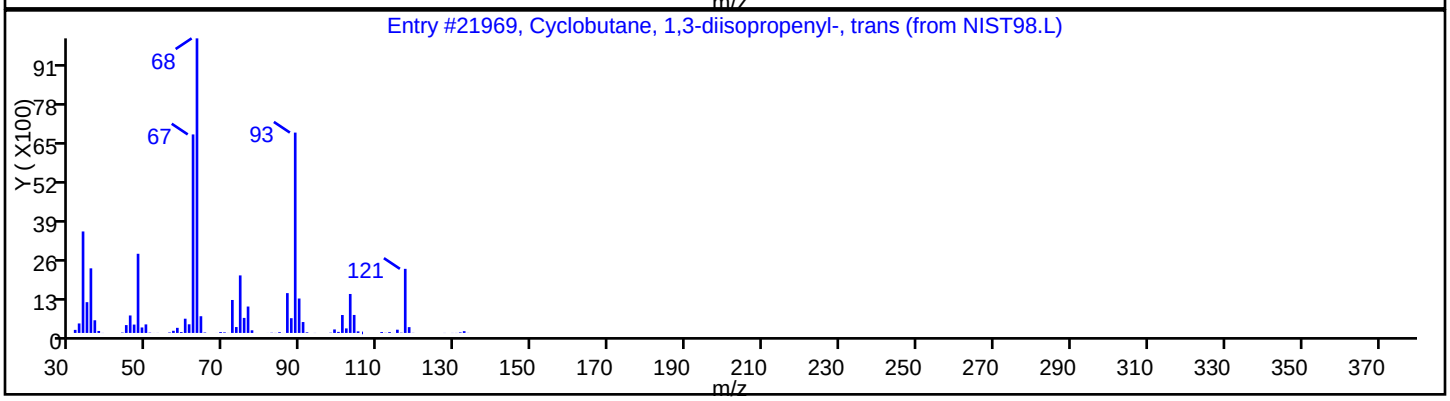
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Limonene	138-86-3	NIST98.L	114006	94
1,5-Cyclooctadiene, 1,5-dimethyl-	3760-14-3	NIST98.L	113816	87
Cyclobutane, 1,3-diisopropenyl-, trans	1000152-89-6	NIST98.L	21969	72









Report Date: 28-Sep-2009 07:17:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

Inj Date: 25-Sep-2009 22:56:30 Limit Group: SMS - 8270LL SVOA Calibration

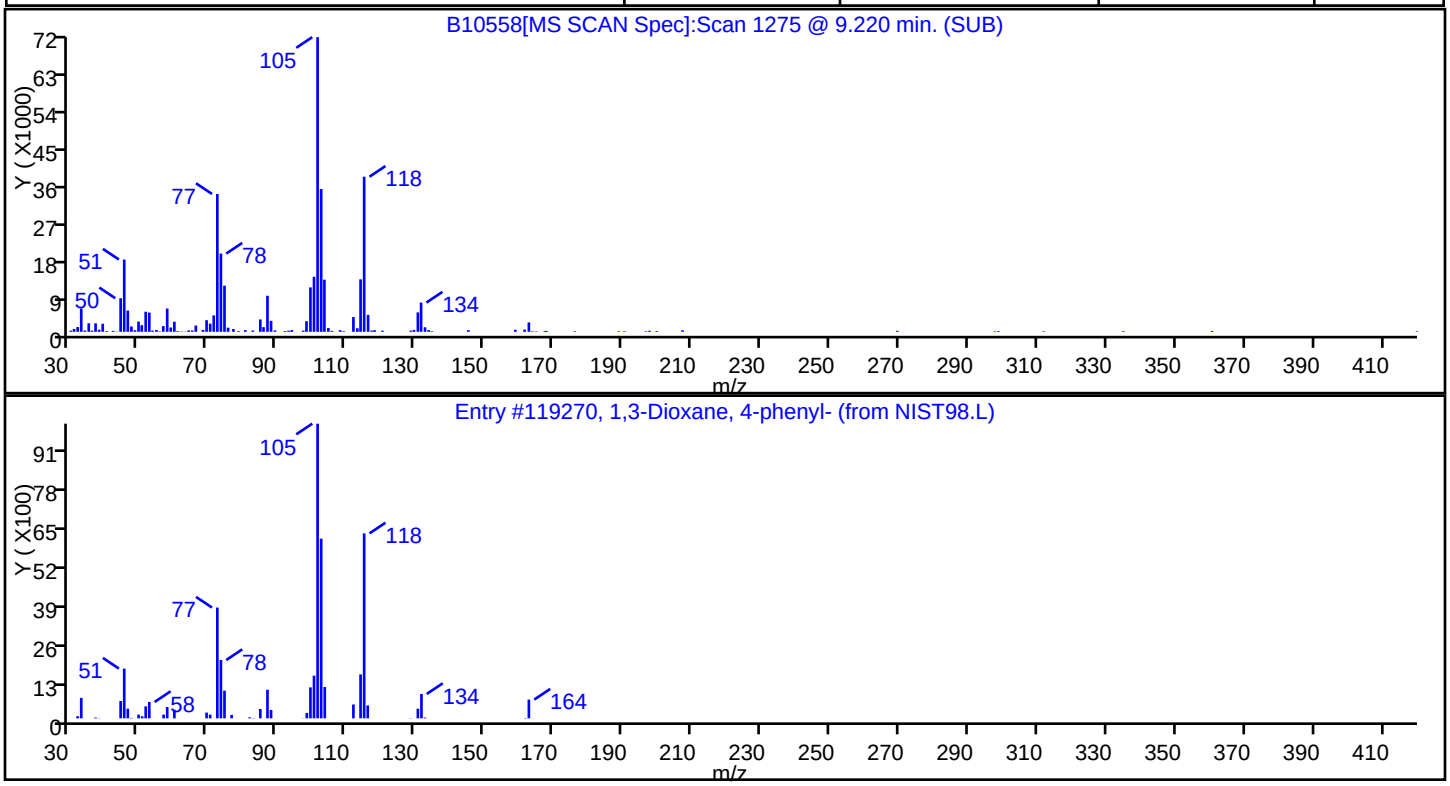
Lims Batch ID: 49511 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: mb 360-48980/1-a

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,3-Dioxane, 4-phenyl-	772-0-9	NIST98.L	119270	94



Report Date: 28-Sep-2009 07:17:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10558.D

Inj Date: 25-Sep-2009 22:56:30 Limit Group: SMS - 8270LL SVOA Calibration

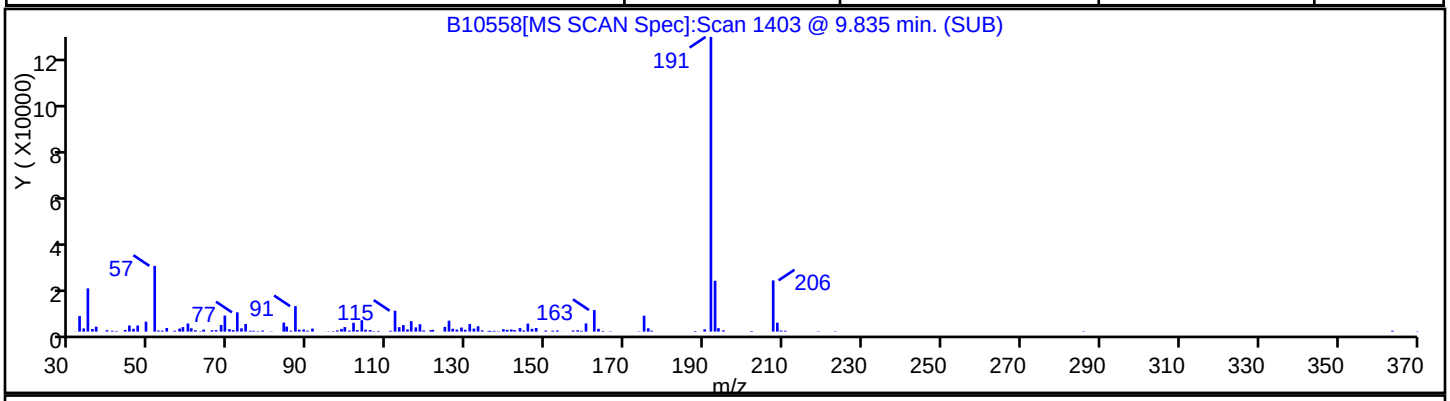
Lims Batch ID: 49511 Lims Sample ID: 14

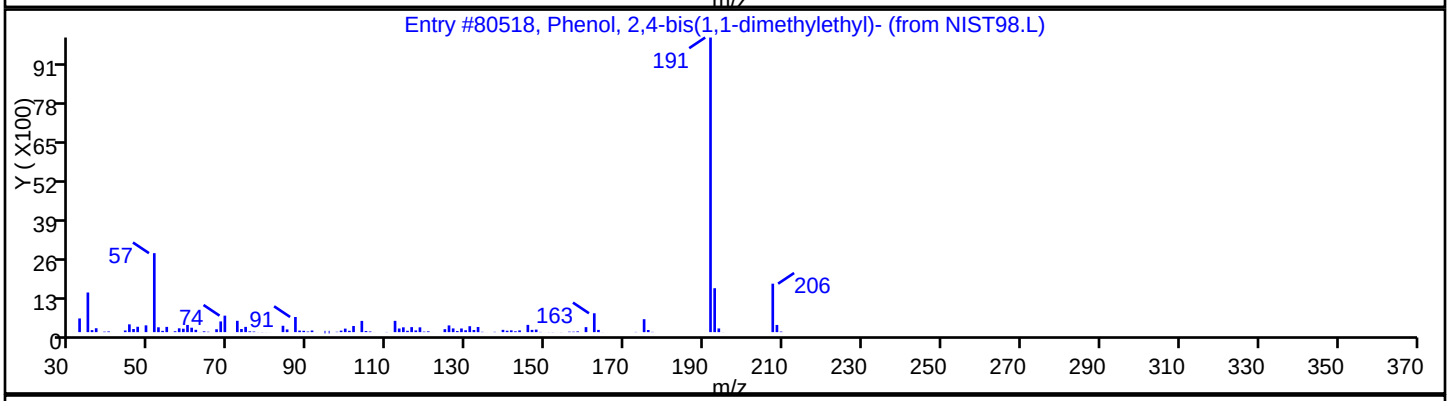
Client ID: Instrument: Inst. B

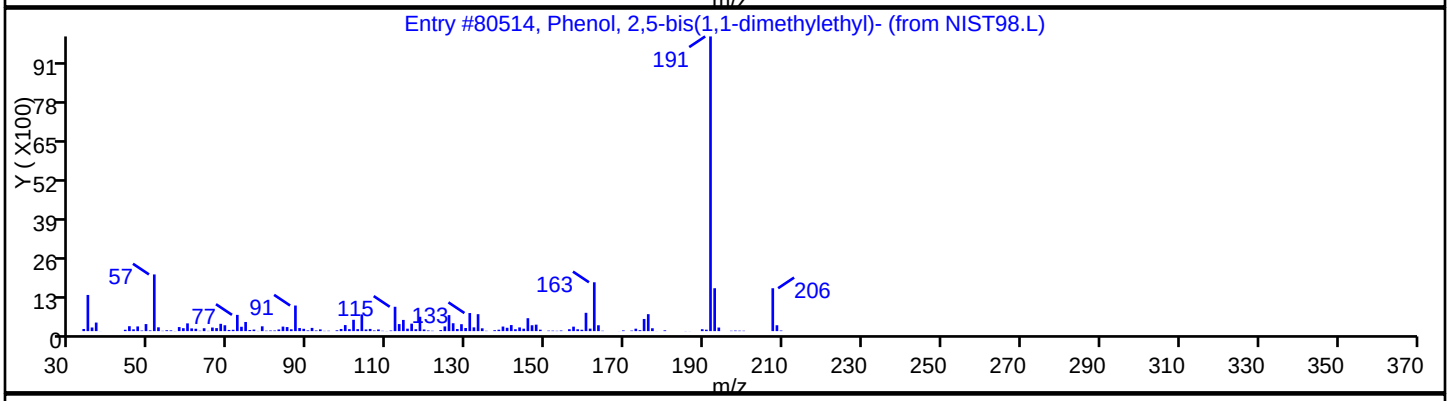
Sample Info: mb 360-48980/1-a

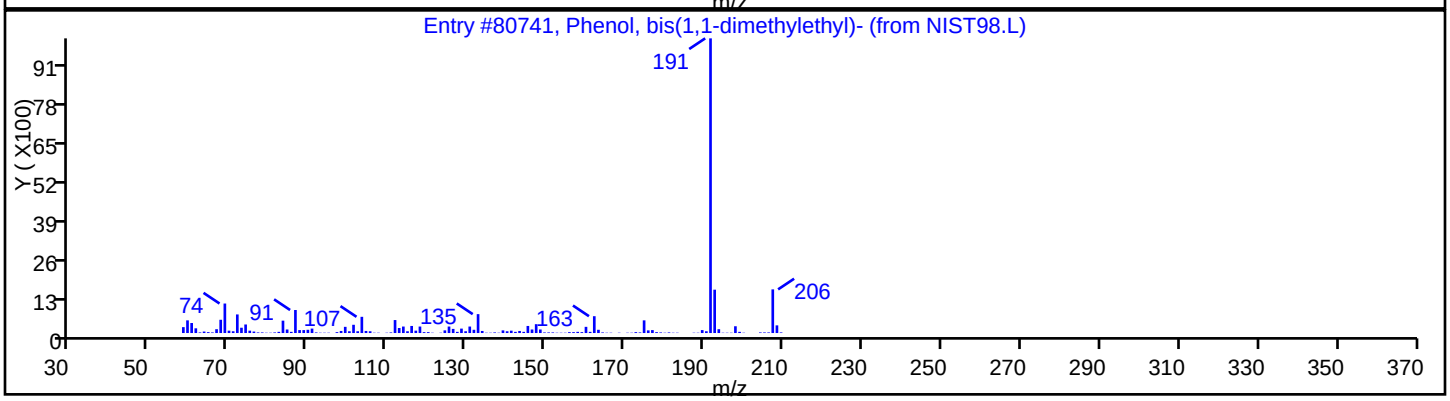
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 2,4-bis(1,1-dimethylethyl)-	96-76-4	NIST98.L	80518	93
Phenol, 2,5-bis(1,1-dimethylethyl)-	5875-45-6	NIST98.L	80514	90
Phenol, bis(1,1-dimethylethyl)-	26746-38-3	NIST98.L	80741	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49246/1-A

Matrix: Solid | Lab File ID: J03193.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 19:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
95-57-8	2-Chlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
95-48-7	2-Methylphenol	ND		33	20
95-95-4	2,4,5-Trichlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
88-74-4	2-Nitroaniline	ND		170	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
91-58-7	2-Chloronaphthalene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
88-75-5	2-Nitrophenol	ND		33	10
106-47-8	4-Chloroaniline	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10
100-02-7	4-Nitrophenol	ND		170	10
62-53-3	Aniline	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
103-33-3	Azobenzene	ND		33	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49246/1-A

Matrix: Solid | Lab File ID: J03193.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 19:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
65-85-0	Benzoic acid	81.3	J	170	15
120-12-7	Anthracene	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
105-60-2	Caprolactam	ND		33	10
218-01-9	Chrysene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
98-86-2	Acetophenone	ND		33	10
84-74-2	Di-n-butyl phthalate	56.6		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	14.0	J	33	10
117-84-0	Di-n-octyl phthalate	ND		33	17
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
1912-24-9	Atrazine	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49246/1-A

Matrix: Solid | Lab File ID: J03193.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 19:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
86-74-8	Carbazole	ND		33	10
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
119-61-9	Benzophenone	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
101-84-8	Diphenyl oxide	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
122-39-4	Diphenylamine	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	78	30-130	
321-60-8	2-Fluorobiphenyl	71	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	78	30-130	
4165-62-2	Phenol-d5	75	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49246/1-A

Matrix: Solid | Lab File ID: J03193.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 19:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 266.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
141-79-7	3-Penten-2-one, 4-methyl-	5.71	13.7	T J N
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.89	12.5	T J N
54446-78-5	Ethanol, 1-(2-butoxyethoxy)-	9.23	15.2	T J N
1146-65-2	Naphthalene-d8	9.33	21.7	T J N
321-60-8	1,1''-Biphenyl, 2-fluoro-	10.40	18.8	T J N
544-76-3	Hexadecane	11.44	26.6	T J N
593-45-3	Octadecane	12.35	45.1	T J N
112-95-8	Eicosane	13.17	24.9	T J N
7683-64-9	Squalene	16.19	53.0	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.85	35.0	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D		
Lims ID:	MB 360-49246/1-A	Client ID:	
Inject. Date:	28-Sep-2009 19:32:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49246/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49645	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:31:38	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 15:51:50
Reviewed By:	sullivanp	Date:	29-Sep-2009 16:59:13
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:38:02

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.032	8.035	-0.003	67895	2.00	
* 2 Naphthalene-d8	136	9.345	9.347	-0.002	141461	2.00	
* 3 Acenaphthene-d10	164	11.134	11.136	-0.002	83808	2.00	
* 4 Phenanthrene-d10	188	12.619	12.617	0.002	148219	2.00	
* 5 Chrysene-d12	240	15.380	15.378	0.002	110859	2.00	
* 6 Perylene-d12	264	17.015	17.018	-0.003	65114	2.00	
$ 7 2-Fluorophenol	112	6.690	6.688	0.002	160587	8.00	
$ 8 Phenol-d5	99	7.686	7.684	0.002	177871	7.49	
$ 9 Nitrobenzene-d5	82	8.638	8.636	0.002	77091	3.88	
$ 10 2-Fluorobiphenyl	172	10.427	10.429	-0.002	172840	3.57	
$ 11 2,4,6-Tribromophenol	330	11.937	11.939	-0.002	45437	7.84	
$ 12 Terphenyl-d14	244	14.202	14.200	0.002	172374	4.32	
36 Benzoic acid	105	9.027	9.040	-0.013	8457	2.44	
66 Diethyl phthalate	149	11.547	11.550	-0.003	1664	0.0349	
84 Di-n-butyl phthalate	149	13.153	13.156	-0.003	131413	1.70	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.286	-0.002	16515	0.4192	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D		
Lims ID:	MB 360-49246/1-A	Client ID:	
Inject. Date:	28-Sep-2009 19:32:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49246/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49645	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:31:38	Calib Date:	28-Sep-2009 18:26:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 15:51:50
Reviewed By:	sullivanp	Date:	29-Sep-2009 16:59:13
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:38:02

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
141-79-7 3-Penten-2-one, 4-methyl-						
5.714	60318	0.4122	1	86	111648	
111-90-0 Ethanol, 2-(2-ethoxyethoxy)-						
7.888	54820	0.3747	1	90	11716	
4165-60-0 Benzene-d5-, nitro-						
8.614	48925	0.3344	1	91	32381	
541-2-6 Cyclopentasiloxane, decamethyl-						
8.859	43436	0.2770	2	91	128838	
54446-78-5 Ethanol, 1-(2-butoxyethoxy)-						
9.229	71494	0.4559	2	86	16709	
1146-65-2 Naphthalene-d8						
9.325	102274	0.6521	2	93	61864	
321-60-8 1,1'-Biphenyl, 2-fluoro-						
10.398	102610	0.5649	3	96	124940	
121-33-5 Vanillin						
10.590	57195	0.3149	3	97	68312	
111-82-0 Dodecanoic acid, methyl ester						
11.081	57526	0.3167	3	96	115462	
544-76-3 Hexadecane						
11.437	145065	0.7987	3	96	112410	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
11.908	35924	0.1813	4			
	593-45-3	Octadecane				
12.350	268390	1.35	4	99	16439	
	1000143-92-4	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,				
13.028	49303	0.2488	4	87	17969	
	112-95-8	Eicosane				
13.172	148080	0.7473	4	94	16454	
	1227-93-6	1H-Naphtho[2,1-b]pyran, 3-ethenyldodecah				
13.576	40019	0.2020	4	91	96705	
	593-45-3	Octadecane				
13.927	69756	0.3520	4	95	112333	
	7683-64-9	Squalene				
16.192	246678	1.59	5	98	114263	
	26603-23-6	p,p'-Dioctyldiphenylamine				
16.846	98502	1.05	6	95	101420	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.032	292641	2.00
* 2 Naphthalene-d8	9.345	313669	2.00
* 3 Acenaphthene-d10	11.134	363261	2.00
* 4 Phenanthrene-d10	12.619	396307	2.00
* 5 Chrysene-d12	15.380	310210	2.00
* 6 Perylene-d12	17.015	187532	2.00

QC Flag Legend

Processing Flags

Report Date: 30-Sep-2009 08:38:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

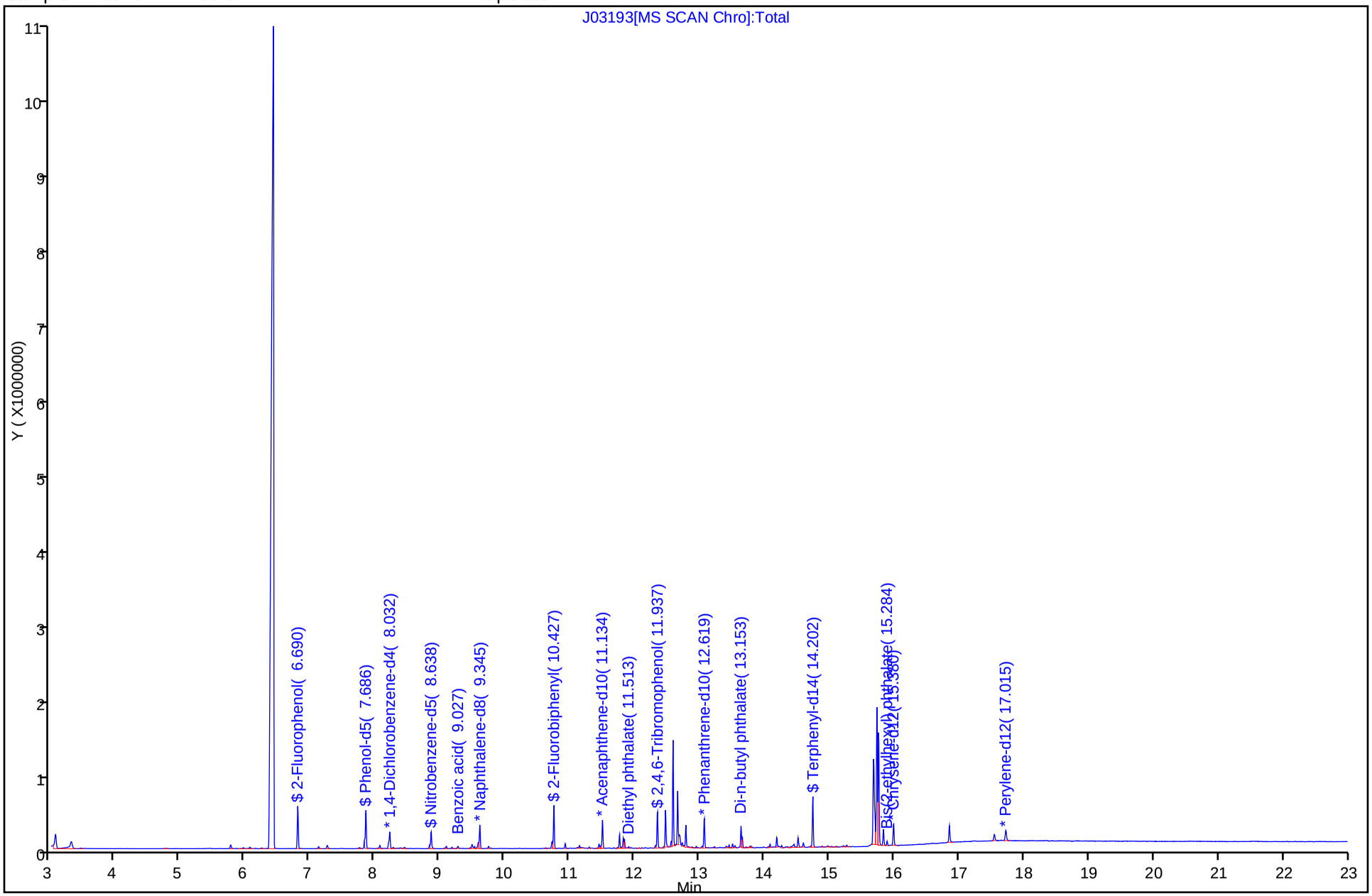
Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 12

Client ID: Instrument: Inst. J

Sample Info: mb 360-49246/1-a

Sample Amount: 1.00 ul Operator:



Report Date: 30-Sep-2009 08:38:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

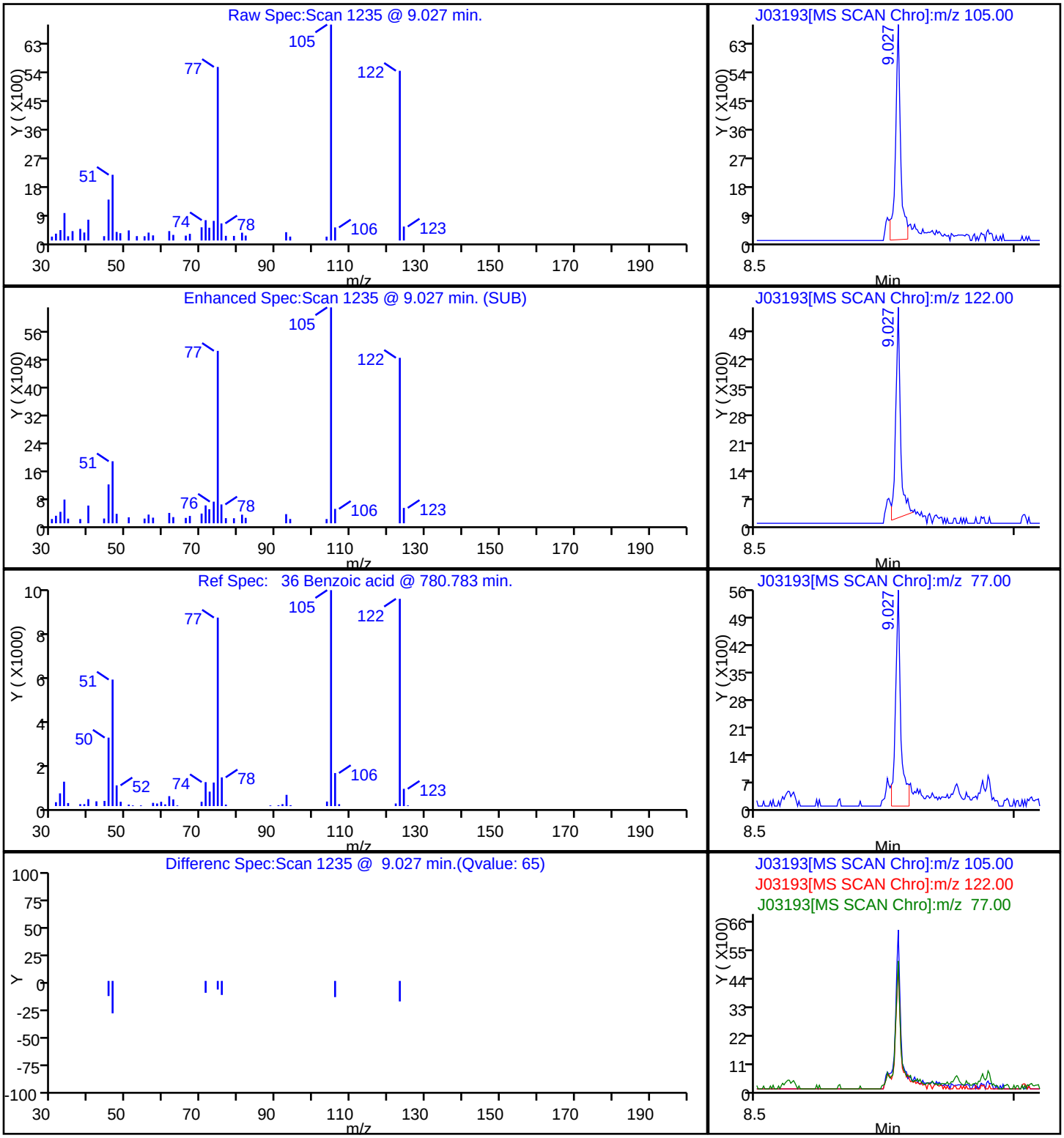
Lims Batch ID: 49645 Lims Sample ID: 12

Client ID: Instrument: Inst. J

Sample Info: mb 360-49246/1-a

Sample Amount: 1.00 ul Operator:

36 Benzoic acid



Report Date: 30-Sep-2009 08:38:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

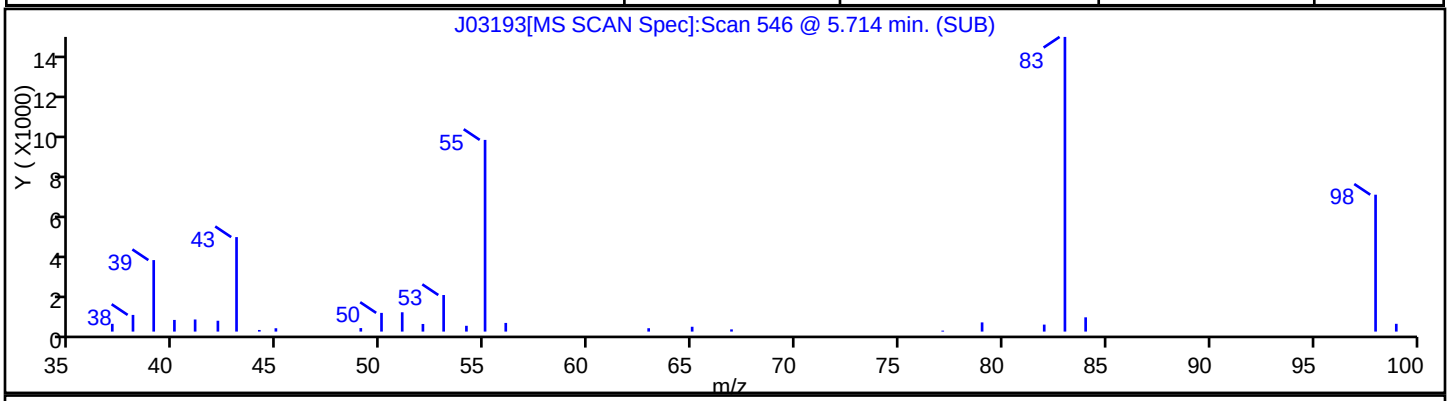
Lims Batch ID: 49645 Lims Sample ID: 12

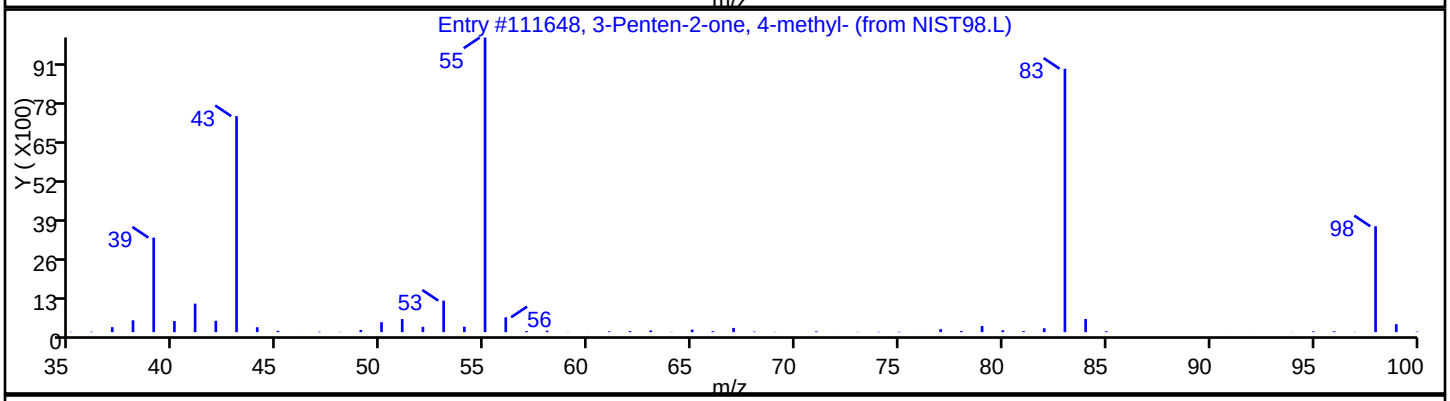
Client ID: Instrument: Inst. J

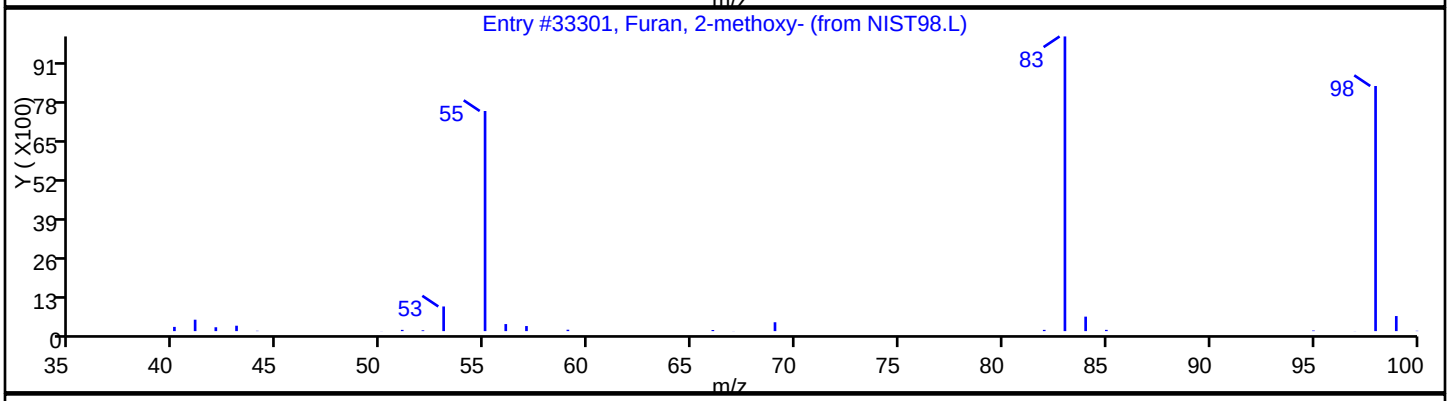
Sample Info: mb 360-49246/1-a

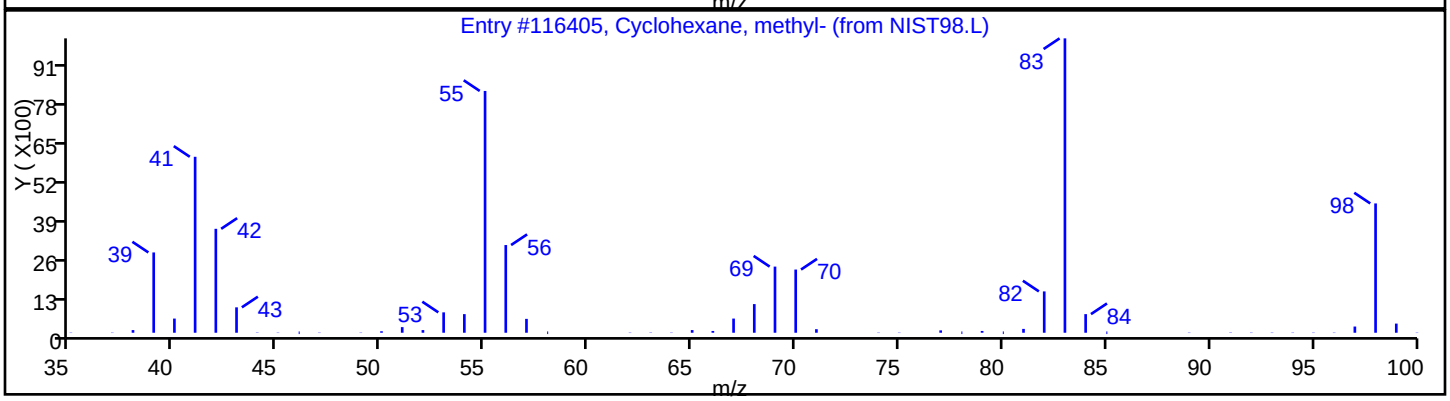
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	111648	86
Furan, 2-methoxy-	25414-22-6	NIST98.L	33301	78
Cyclohexane, methyl-	108-87-2	NIST98.L	116405	64









Report Date: 30-Sep-2009 08:38:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

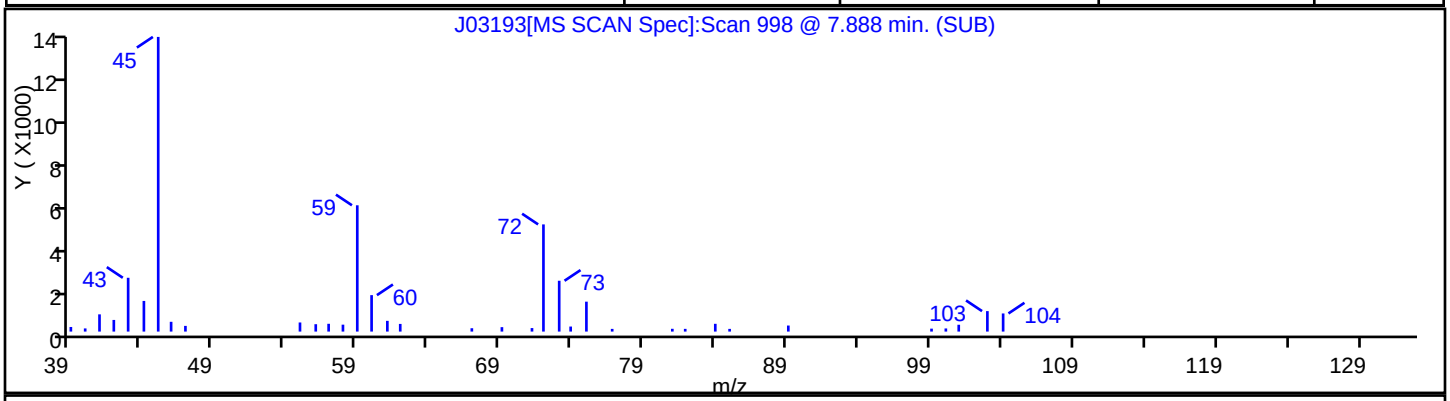
Lims Batch ID: 49645 Lims Sample ID: 12

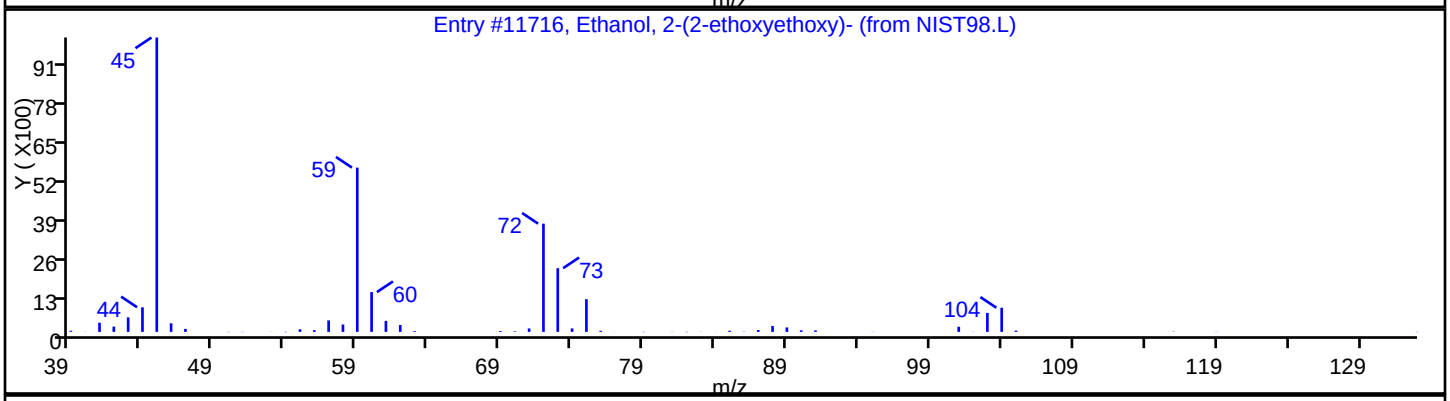
Client ID: Instrument: Inst. J

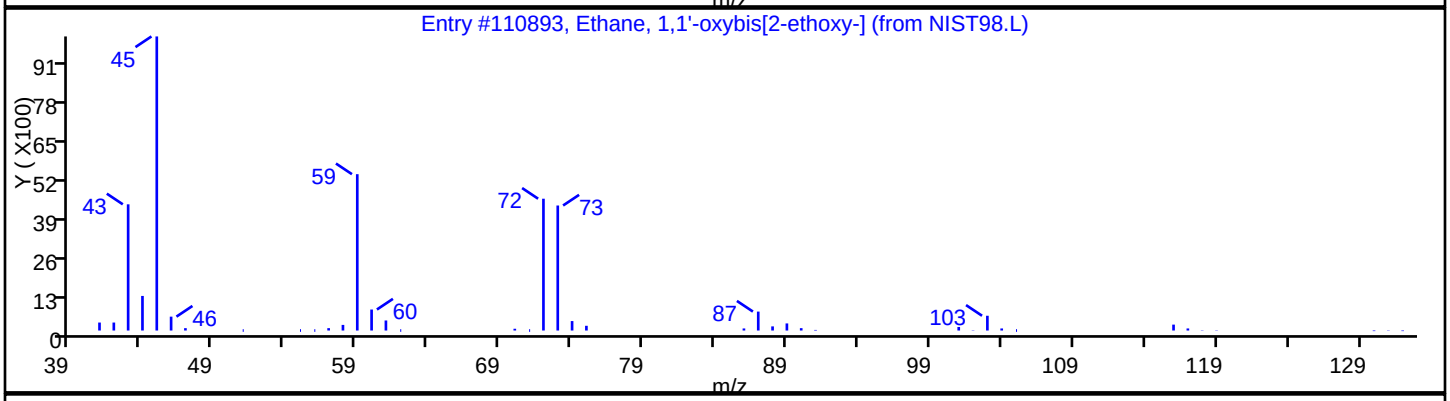
Sample Info: mb 360-49246/1-a

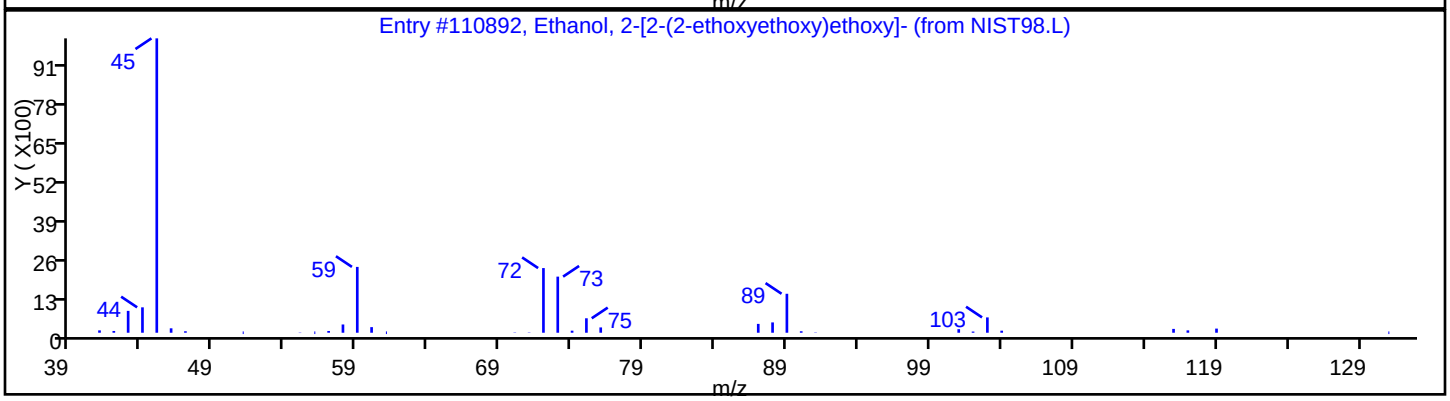
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NIST98.L	11716	90
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NIST98.L	110893	72
Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-	112-50-5	NIST98.L	110892	50









Report Date: 30-Sep-2009 08:38:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 12

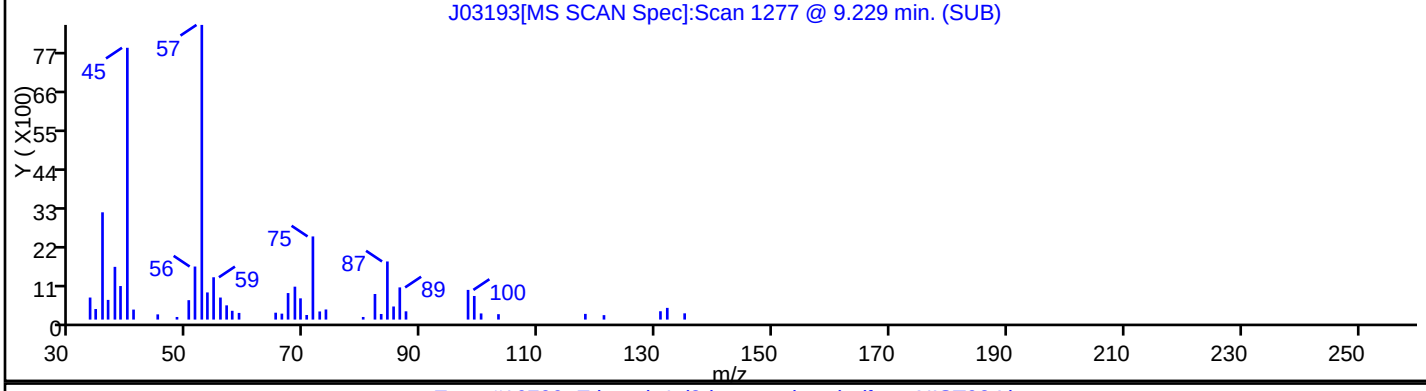
Client ID: Instrument: Inst. J

Sample Info: mb 360-49246/1-a

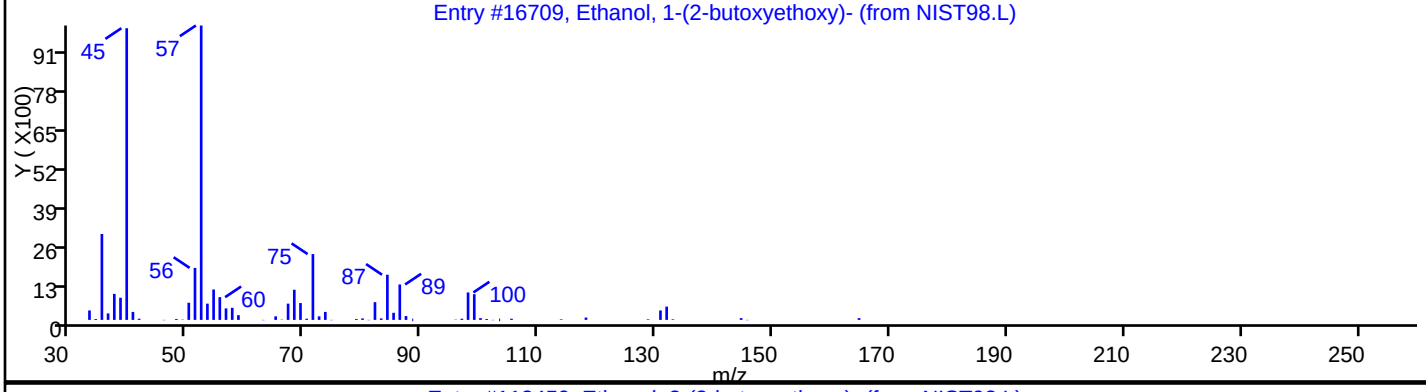
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NIST98.L	16709	86
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NIST98.L	112450	78
2-Propanol, 1-butoxy-	5131-66-8	NIST98.L	110874	50

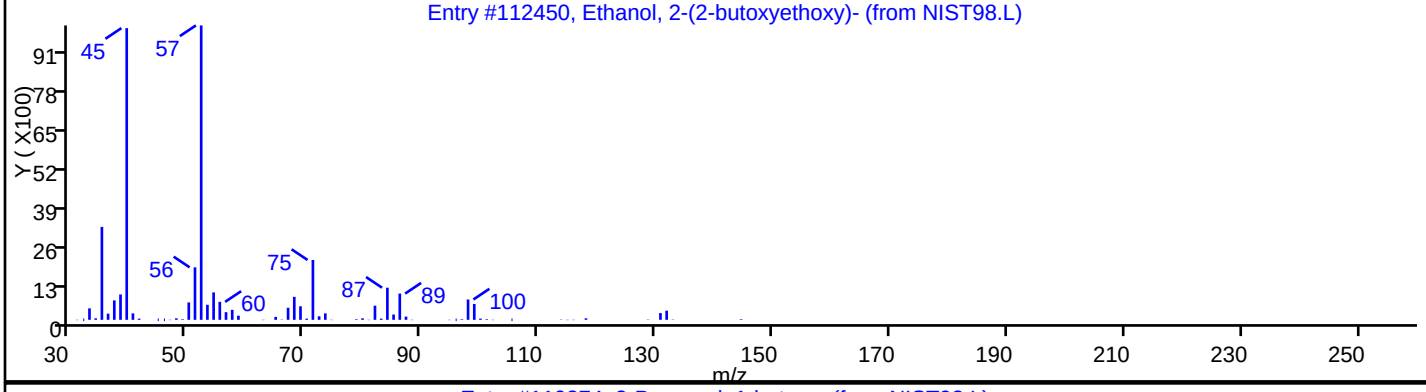
J03193[MS SCAN Spec]:Scan 1277 @ 9.229 min. (SUB)



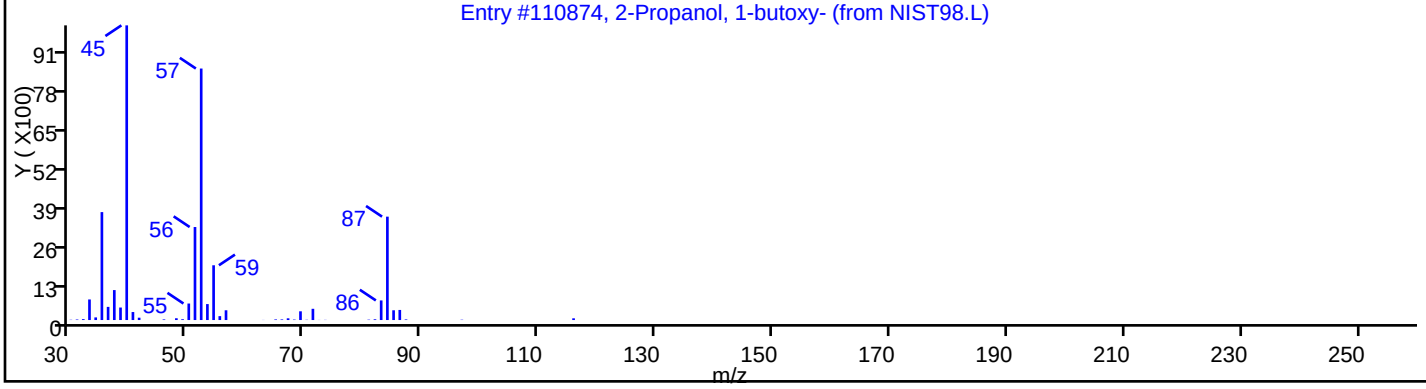
Entry #16709, Ethanol, 1-(2-butoxyethoxy)- (from NIST98.L)



Entry #112450, Ethanol, 2-(2-butoxyethoxy)- (from NIST98.L)



Entry #110874, 2-Propanol, 1-butoxy- (from NIST98.L)



Report Date: 30-Sep-2009 08:38:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

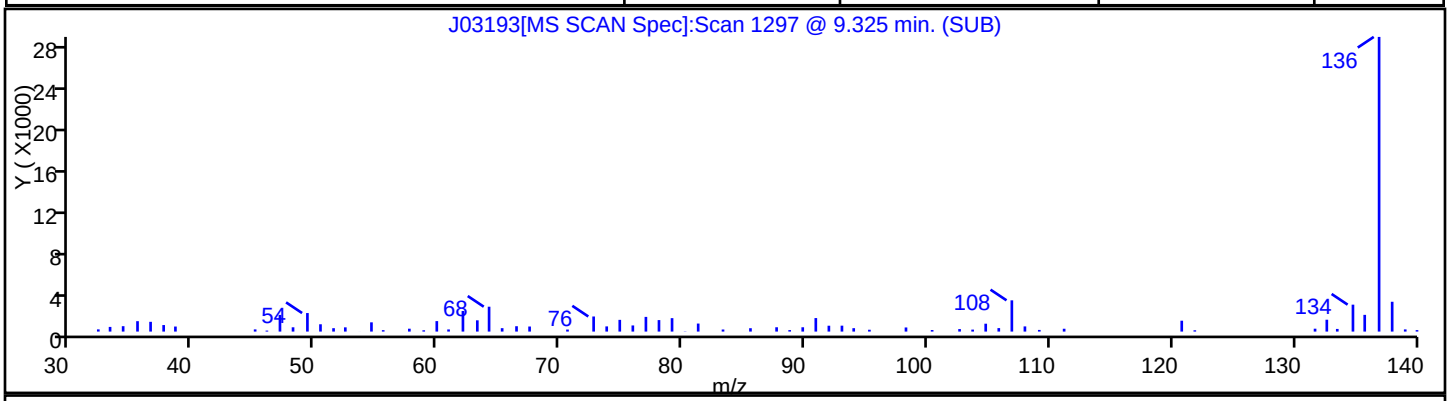
Lims Batch ID: 49645 Lims Sample ID: 12

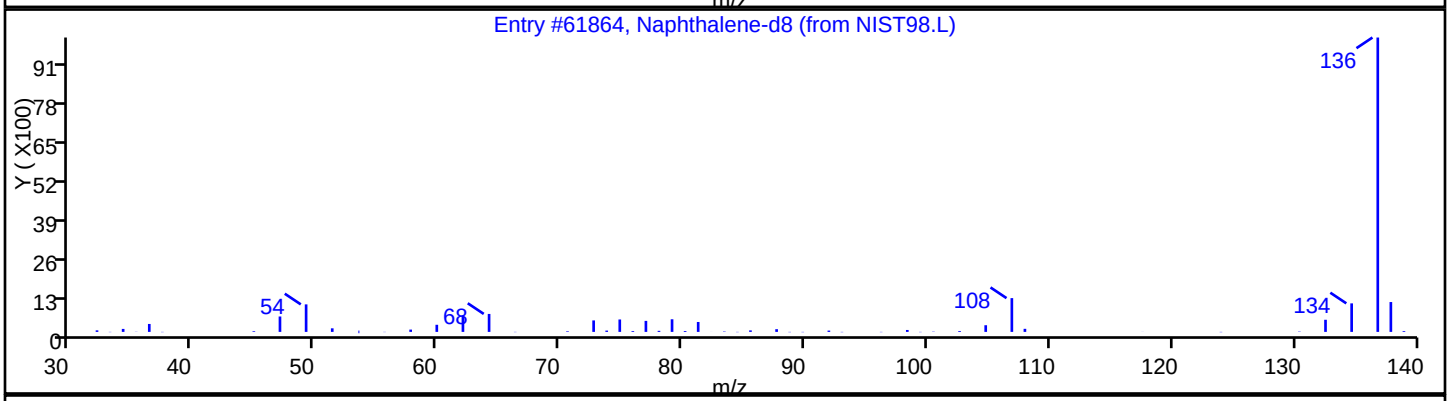
Client ID: Instrument: Inst. J

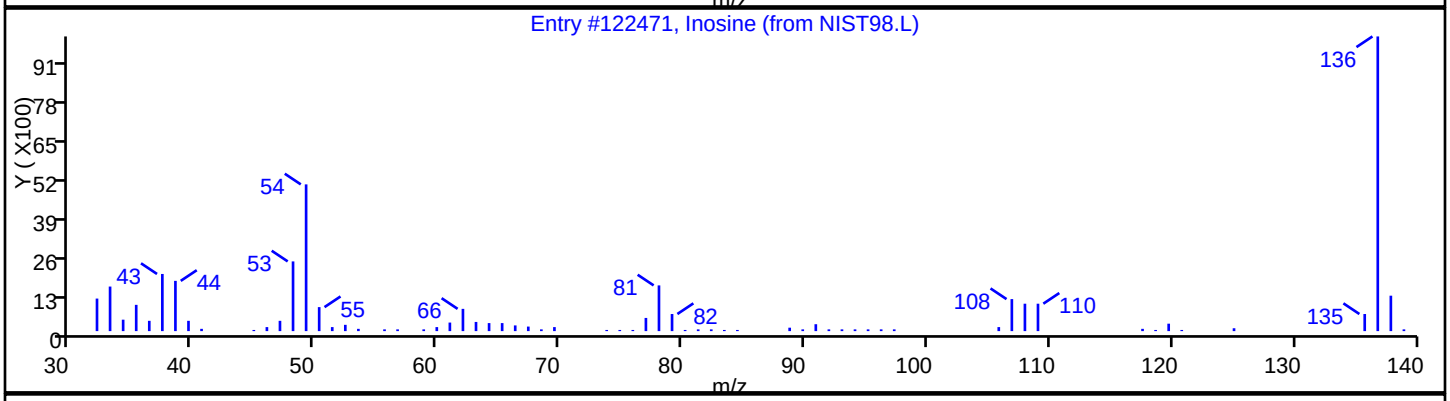
Sample Info: mb 360-49246/1-a

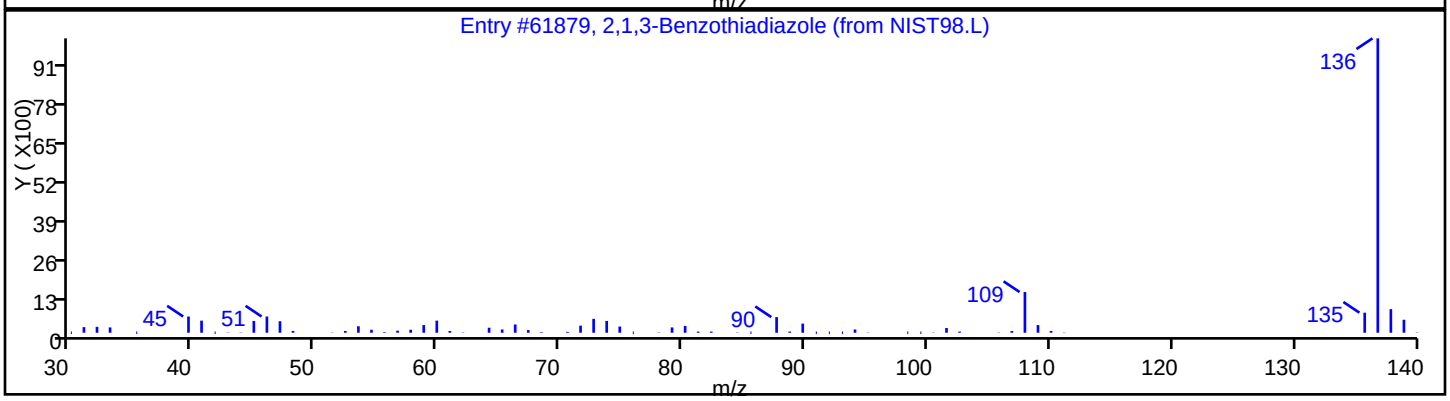
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene-d8	1146-65-2	NIST98.L	61864	93
Inosine	58-63-9	NIST98.L	122471	64
2,1,3-Benzothiadiazole	273-13-2	NIST98.L	61879	53









Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

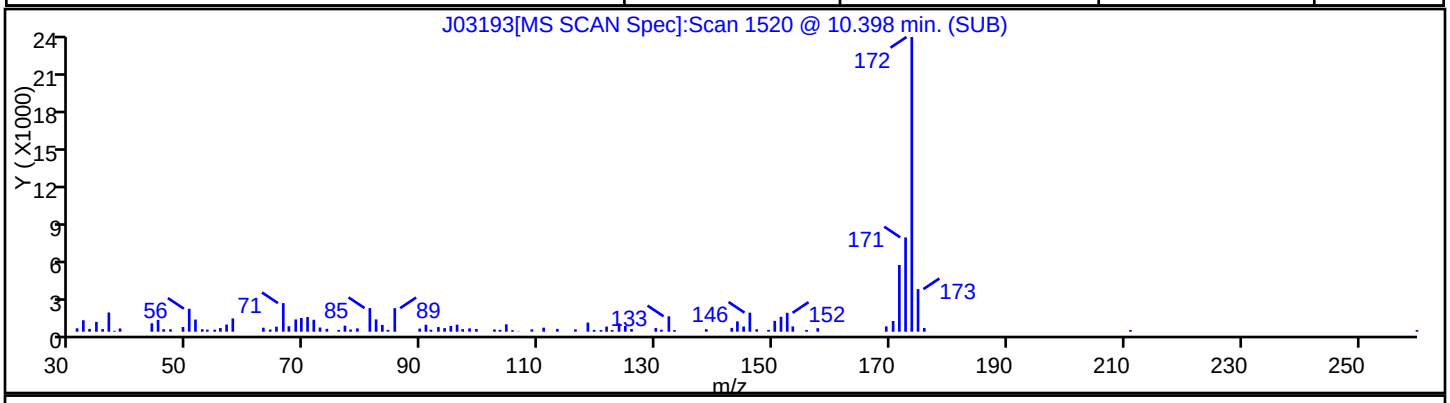
Lims Batch ID: 49645 Lims Sample ID: 12

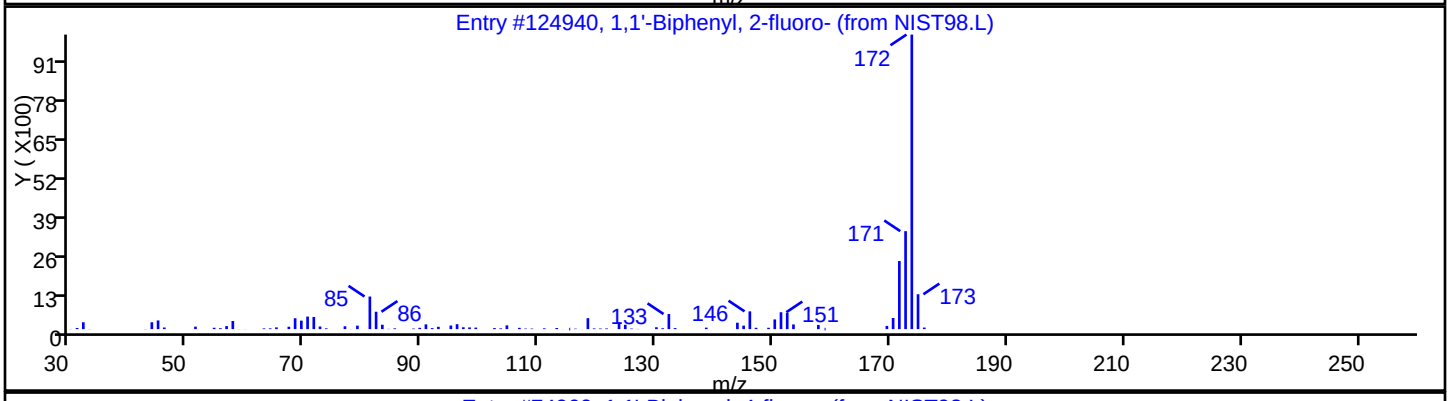
Client ID: Instrument: Inst. J

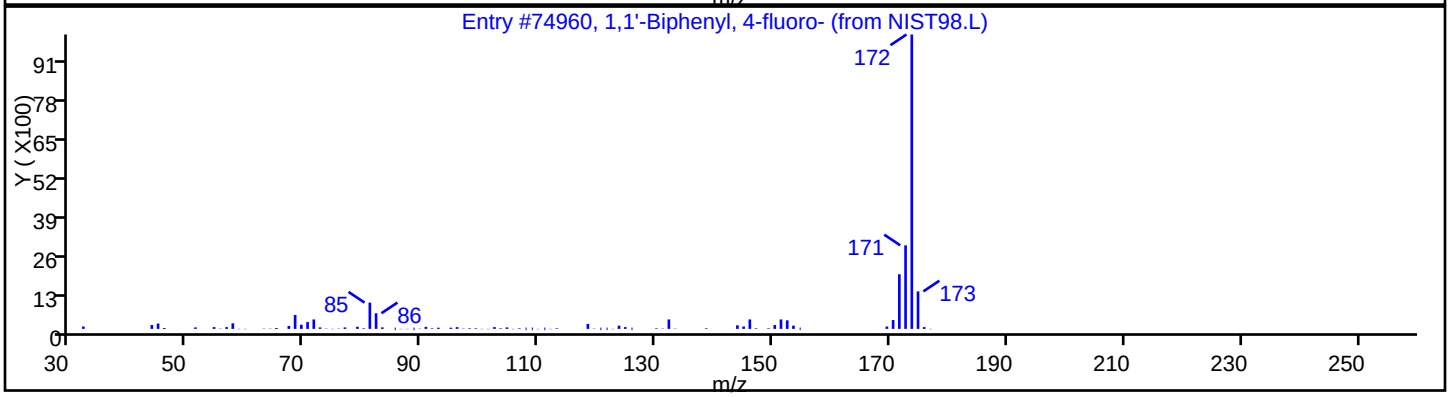
Sample Info: mb 360-49246/1-a

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,1'-Biphenyl, 2-fluoro-	321-60-8	NIST98.L	124940	96
1,1'-Biphenyl, 4-fluoro-	324-74-3	NIST98.L	74960	93







Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

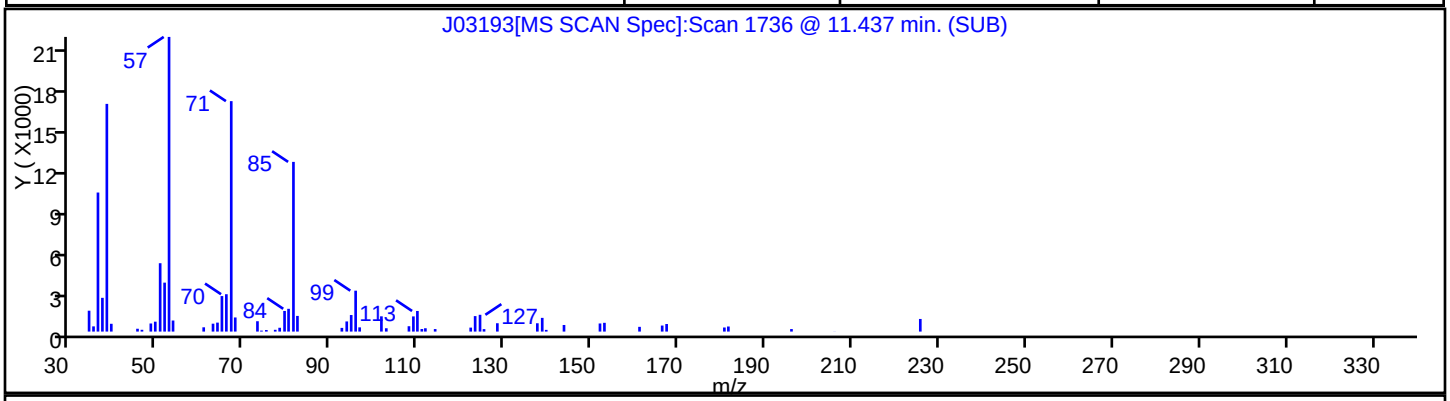
Lims Batch ID: 49645 Lims Sample ID: 12

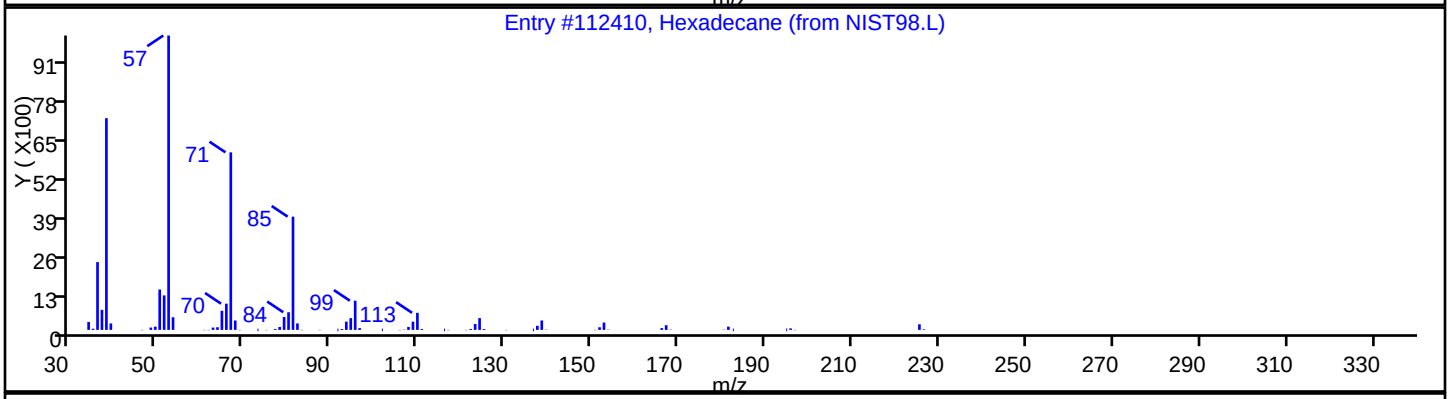
Client ID: Instrument: Inst. J

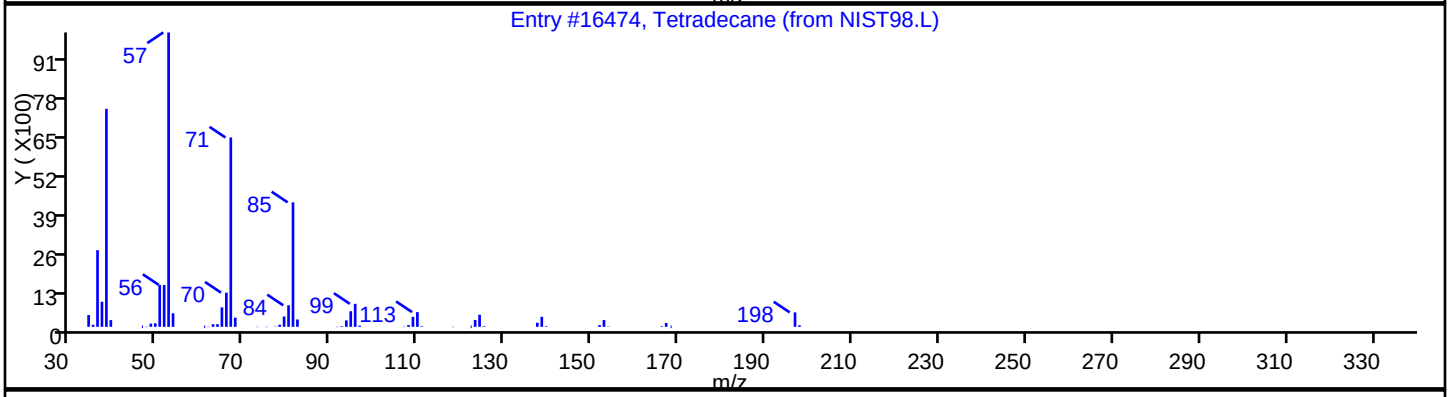
Sample Info: mb 360-49246/1-a

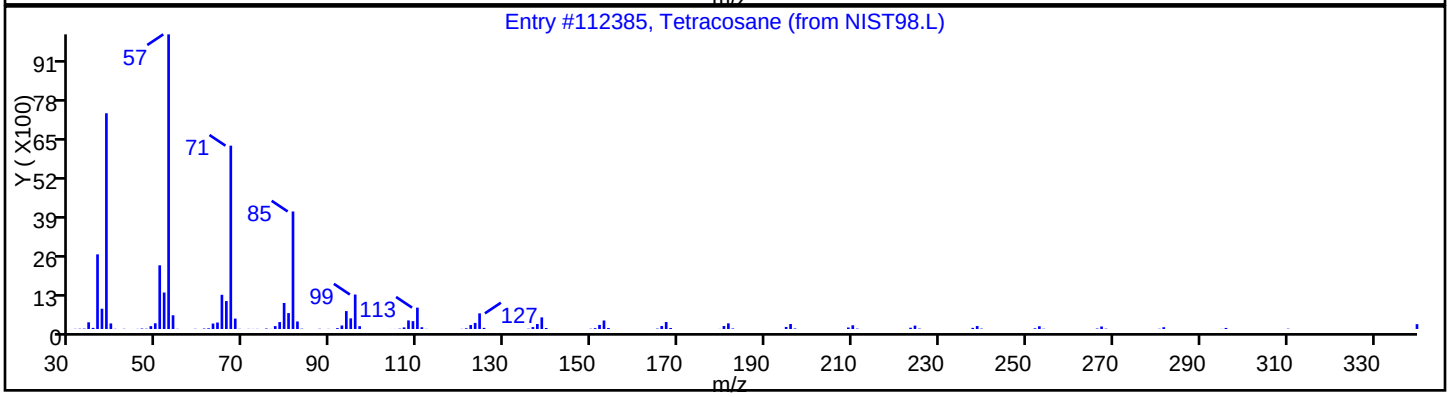
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	96
Tetradecane	629-59-4	NIST98.L	16474	91
Tetracosane	646-31-1	NIST98.L	112385	86









Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

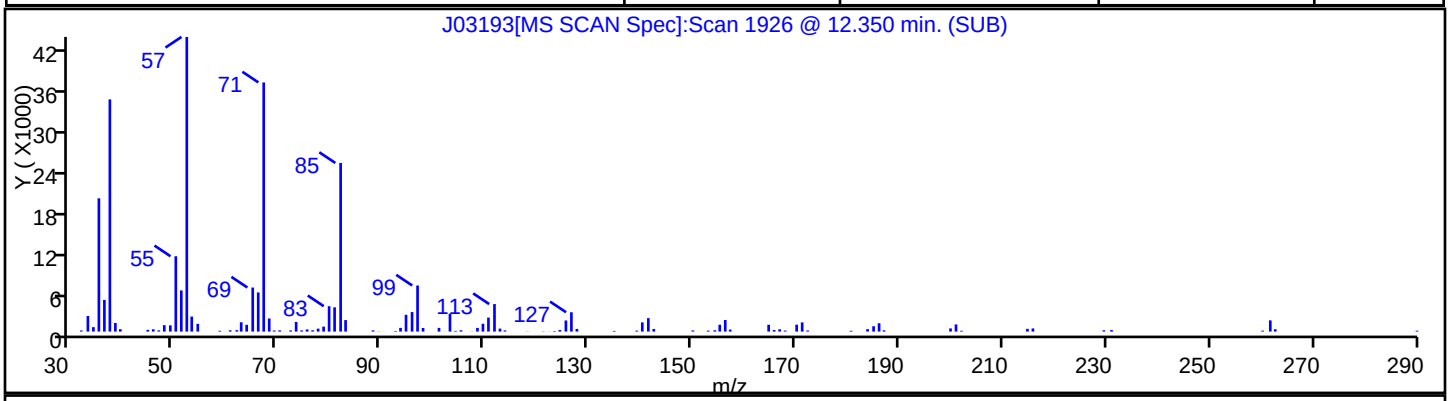
Lims Batch ID: 49645 Lims Sample ID: 12

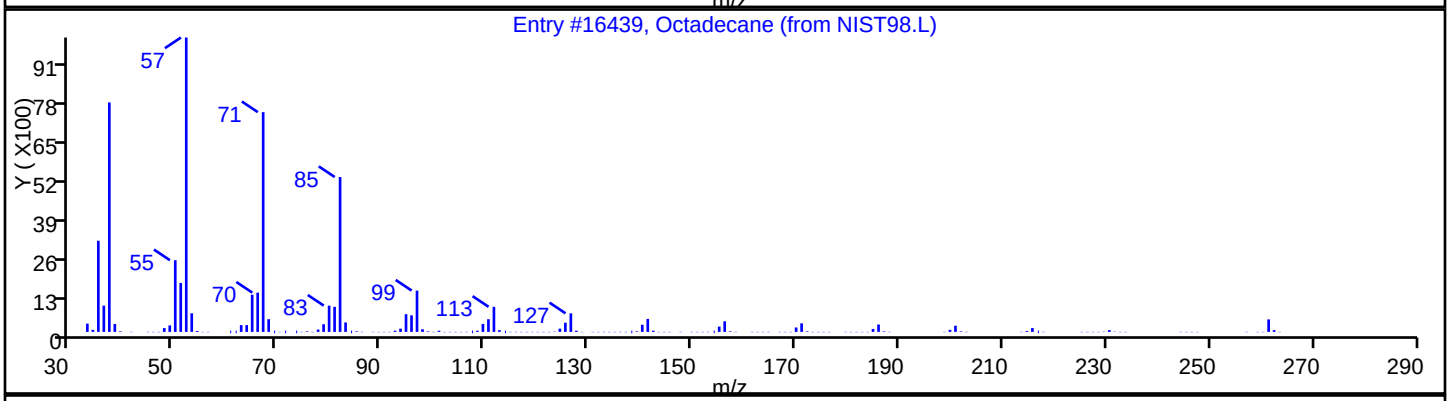
Client ID: Instrument: Inst. J

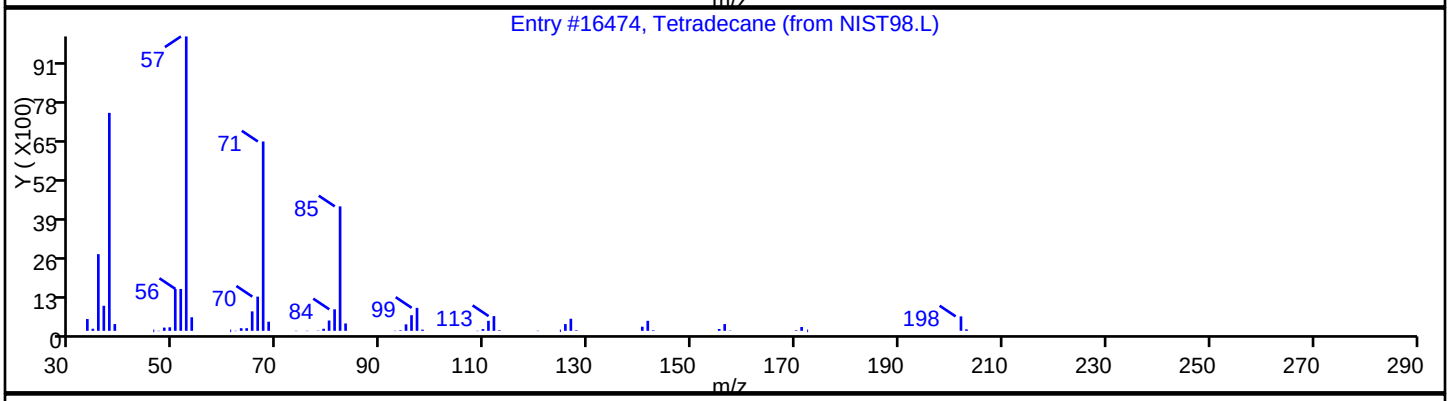
Sample Info: mb 360-49246/1-a

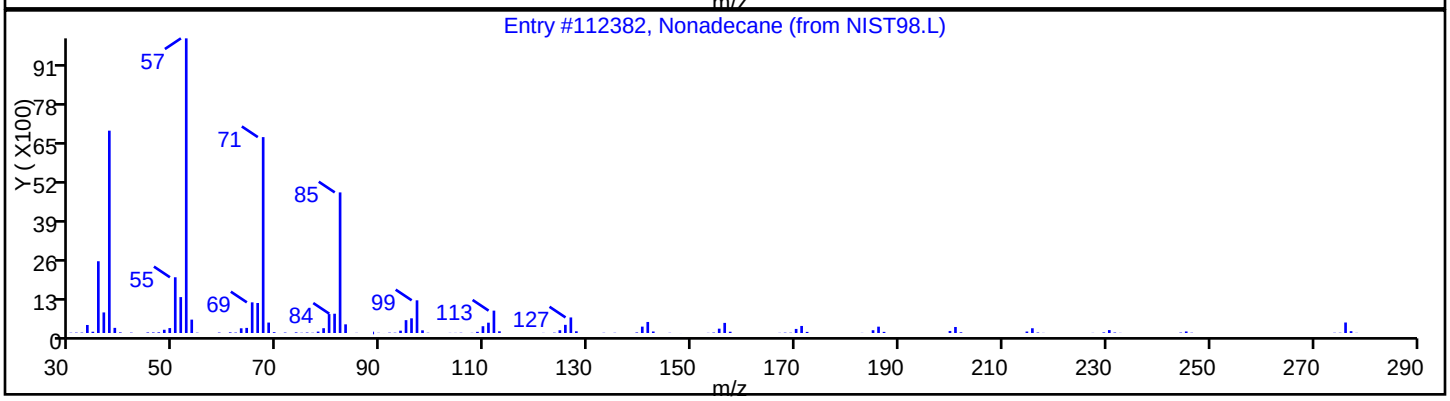
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	99
Tetradecane	629-59-4	NIST98.L	16474	91
Nonadecane	629-92-5	NIST98.L	112382	91









Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

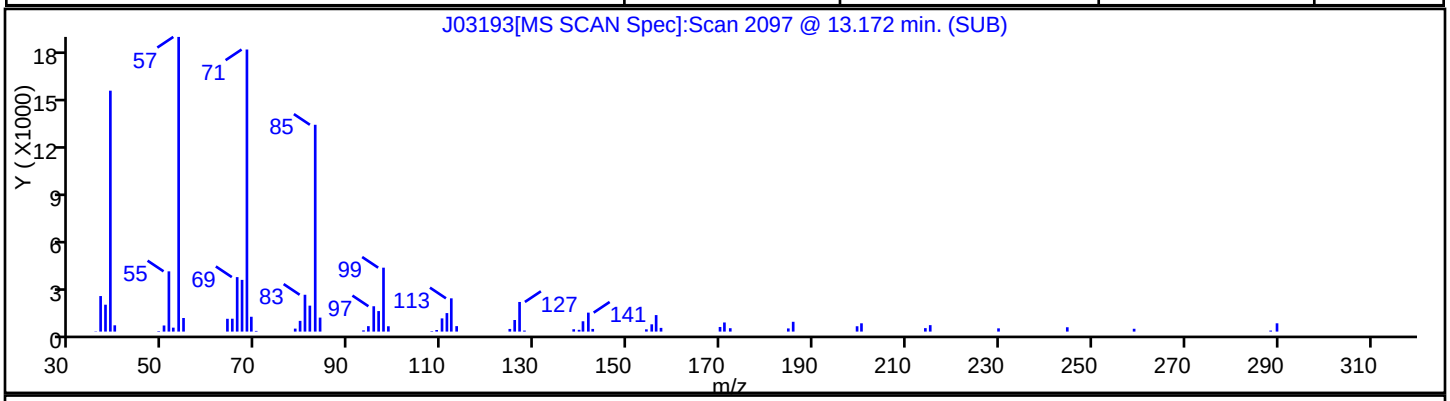
Lims Batch ID: 49645 Lims Sample ID: 12

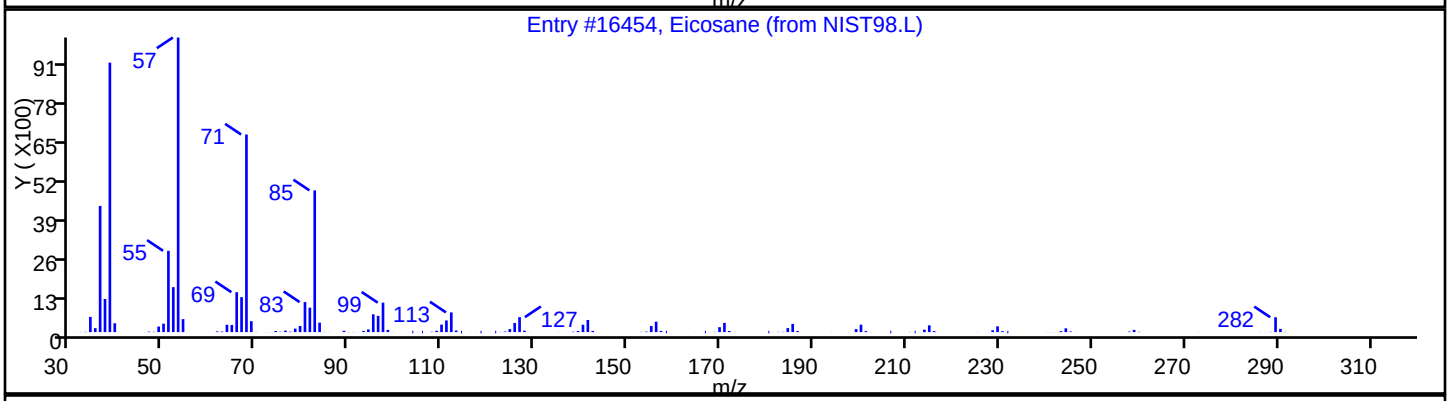
Client ID: Instrument: Inst. J

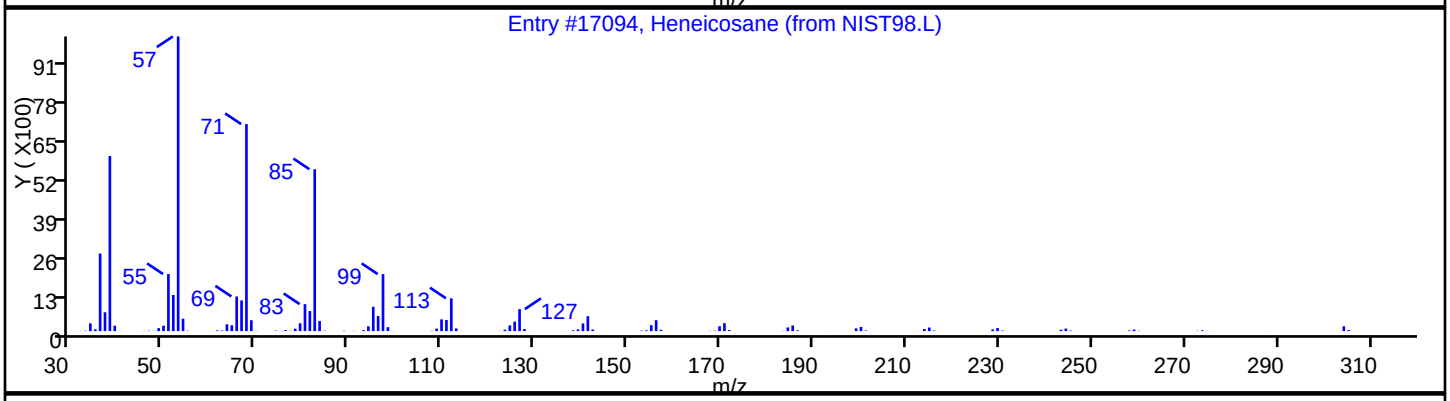
Sample Info: mb 360-49246/1-a

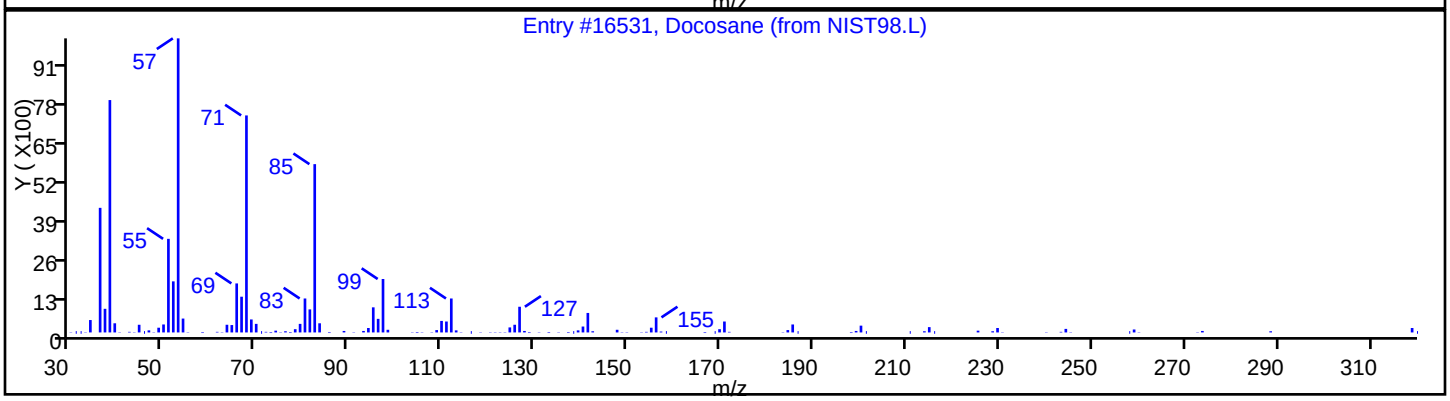
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	16454	94
Heneicosane	629-94-7	NIST98.L	17094	91
Docosane	629-97-0	NIST98.L	16531	91









Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

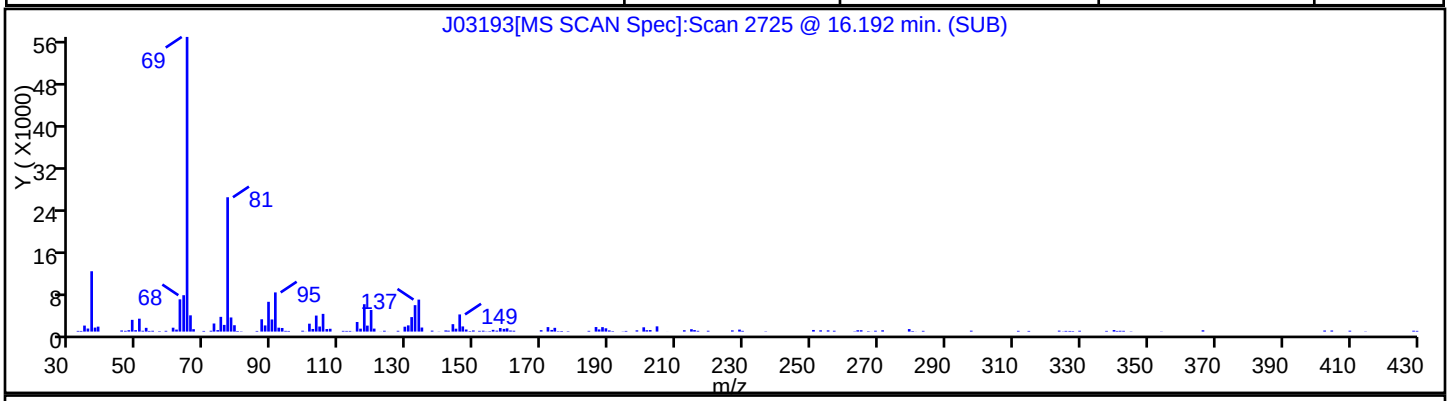
Lims Batch ID: 49645 Lims Sample ID: 12

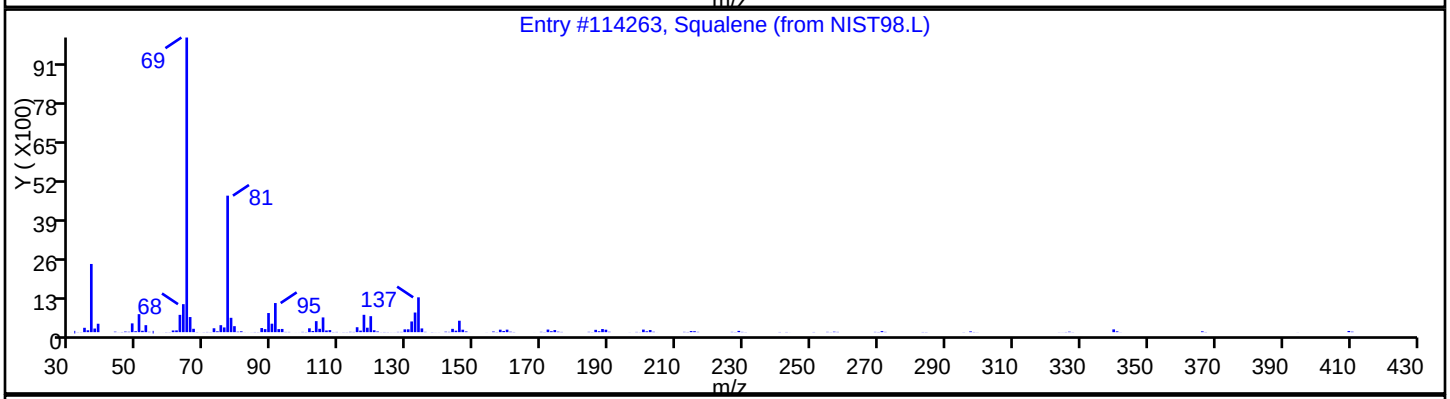
Client ID: Instrument: Inst. J

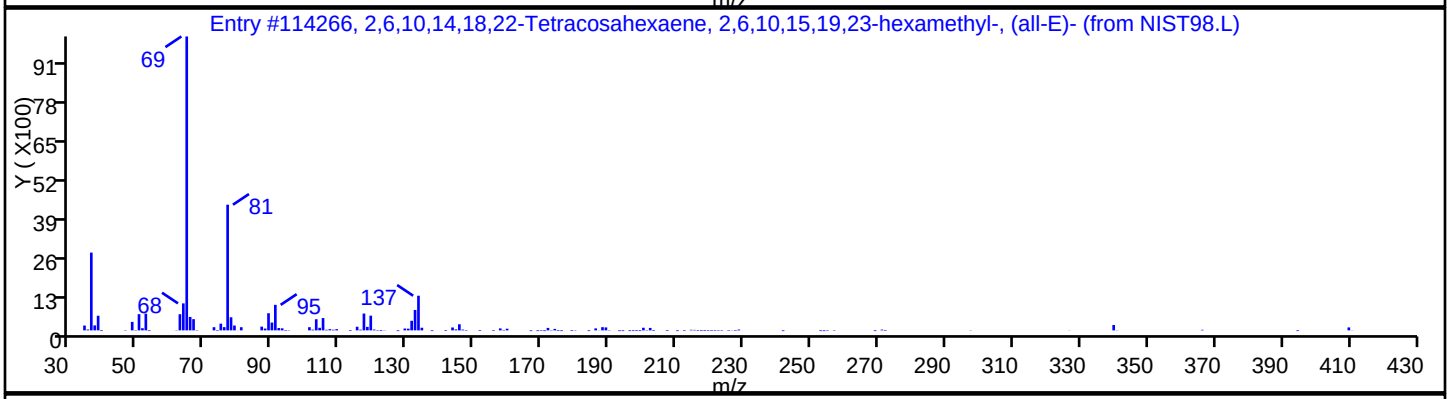
Sample Info: mb 360-49246/1-a

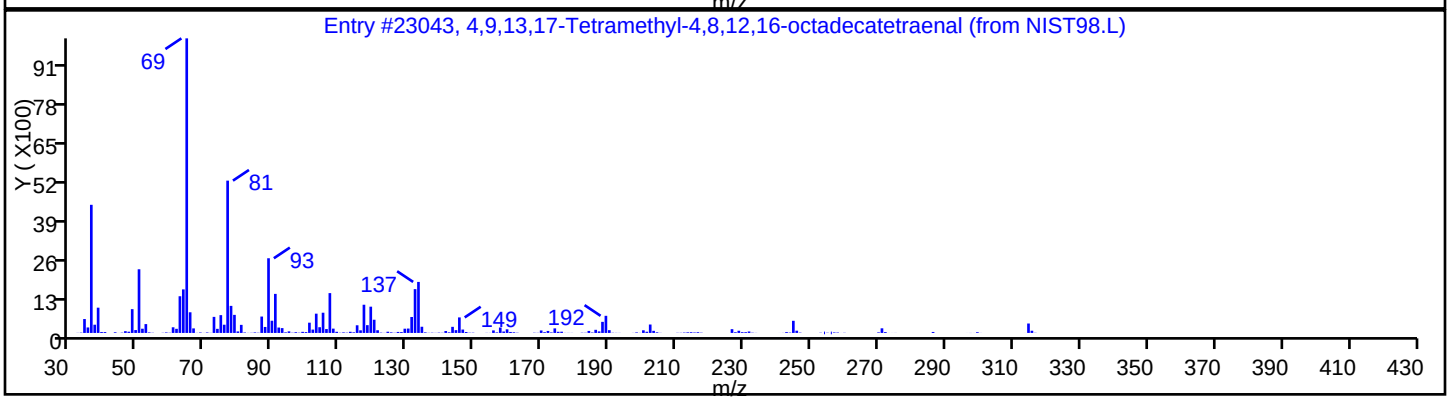
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	98
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	87
4,9,13,17-Tetramethyl-4,8,12,16-octadeca	56882-9-8	NIST98.L	23043	72









Report Date: 30-Sep-2009 08:38:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03193.D

Inj Date: 28-Sep-2009 19:32:30 Limit Group: SMS - 8270LL SVOA Calibration

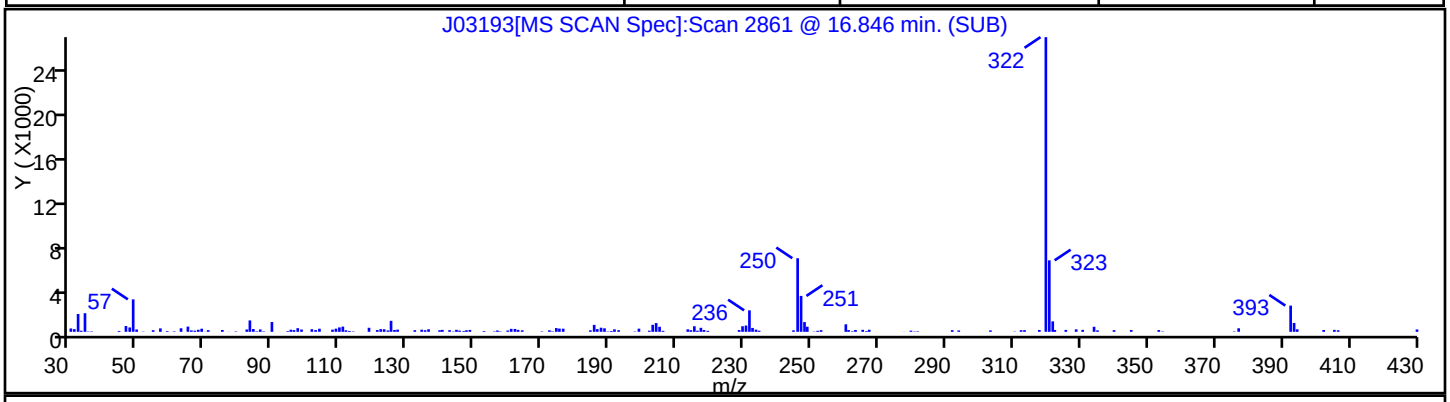
Lims Batch ID: 49645 Lims Sample ID: 12

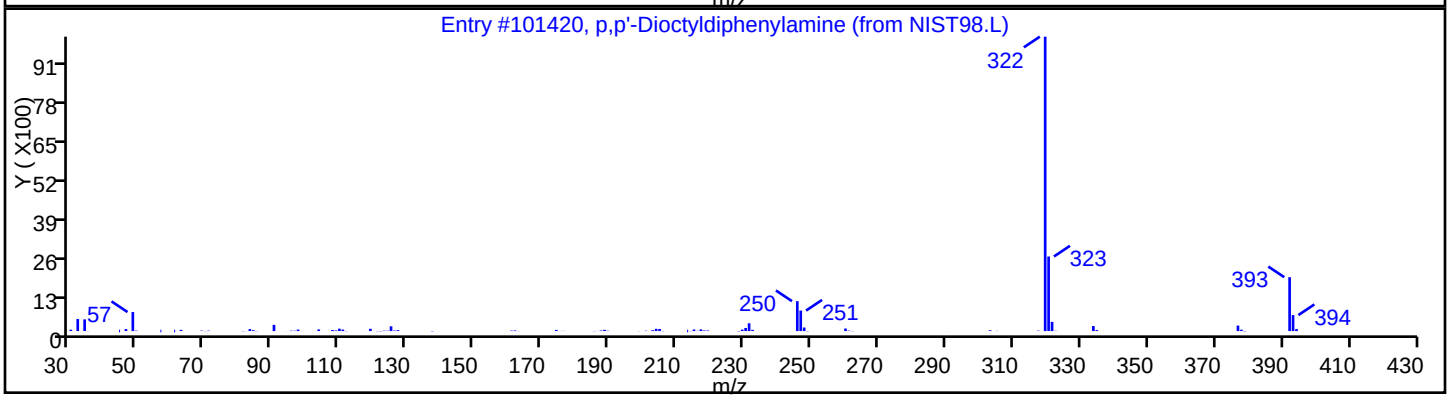
Client ID: Instrument: Inst. J

Sample Info: mb 360-49246/1-a

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	95





FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49302/1-A

Matrix: Solid | Lab File ID: J03153.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3550B | Date Extracted: 09/22/2009 11:55

Sample wt/vol: 100.00(g) | Date Analyzed: 09/26/2009 13:36

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49520 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	71	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	76	30-130	
1718-51-0	Terphenyl-d14	80	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03153.D		
Lims ID:	MB 360-49302/1-A	Client ID:	
Inject. Date:	26-Sep-2009 13:36:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49302/1A		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49520	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	27-Sep-2009 10:43:10

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.239	8.239	0.000	93230	2.00	
* 2 Naphthalene-d8	136	9.552	9.552	0.000	240681	2.00	
* 3 Acenaphthene-d10	164	11.345	11.345	0.000	124482	2.00	
* 4 Phenanthrene-d10	188	12.831	12.836	-0.005	212024	2.00	
* 5 Chrysene-d12	240	15.620	15.620	0.000	143816	2.00	
* 6 Perylene-d12	264	17.337	17.337	0.000	113412	2.00	
$ 7 2-Fluorophenol	112	6.897	6.892	0.005	207294	7.09	
$ 8 Phenol-d5	99	7.873	7.873	0.000	272325	7.60	
$ 9 Nitrobenzene-d5	82	8.840	8.840	0.000	113477	3.03	
$ 10 2-Fluorobiphenyl	172	10.629	10.629	0.000	280981	3.39	
$ 11 2,4,6-Tribromophenol	330	12.148	12.148	0.000	67864	7.49	
$ 12 Terphenyl-d14	244	14.418	14.418	0.000	239934	4.01	
17 Benzaldehyde	105	7.806	7.806	0.000	2296	0.1163	
18 Phenol	94	7.888	7.888	0.000	3944	0.1031	
19 Aniline	93	7.945	7.945	0.000	1613	0.0363	
20 Bis(2-chloroethyl)ether	93	7.984	7.984	0.000	525	0.0164	
22 1,4-Dichlorobenzene	146	8.205	8.205	0.000	608	0.0168	
23 1,3-Dichlorobenzene	146	8.253	8.258	-0.005	598	0.0160	
24 Benzyl alcohol	79	8.383	8.383	0.000	1696	0.0685	
25 1,2-Dichlorobenzene	146	8.455	8.455	0.000	542	0.0154	
26 2-Methylphenol	108	8.388	8.498	-0.110	1173	0.0426	
27 2,2'-oxybis[1-chloropropane]	45	8.527	8.527	0.000	542	0.0176	
30 Acetophenone	105	8.672	8.667	0.005	2516	0.0624	
29 N-Nitrosodi-n-propylamine	70	8.840	8.672	0.168	18979	0.9163	
32 Nitrobenzene	77	8.854	8.859	-0.005	697	0.0184	
33 Isophorone	82	9.071	9.071	0.000	867	0.0137	
34 2-Nitrophenol	139	9.292	9.181	0.111	227	0.0941	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
36 Benzoic acid	105	9.215	9.225	-0.010	3769	1.00	
37 Bis(2-chloroethoxy)methane	93	9.407	9.273	0.134	737	0.0180	
39 1,2,4-Trichlorobenzene	180	9.499	9.499	0.000	526	0.0159	
40 Alpha-Terpineol	59	9.523	9.523	0.000	8674	0.3702	
41 Naphthalene	128	9.571	9.571	0.000	3004	0.0275	
42 4-Chloroaniline	127	9.571	9.633	-0.062	486	0.0121	
44 Caprolactam	55	9.932	9.936	-0.004	305	0.1323	
46 2-Methylnaphthalene	142	10.259	10.258	0.001	1506	0.0220	
47 1-Methylnaphthalene	142	10.259	10.379	-0.120	1506	0.0223	
49 1,2,4,5-Tetrachlorobenzene	216	10.465	10.470	-0.005	435	0.0165	
52 1,1'-Biphenyl	154	10.725	10.725	0.000	696	0.007975	7
55 2-Nitroaniline	65	10.888	10.888	0.000	111	0.0861	
56 Dimethyl phthalate	163	11.052	11.052	0.000	1370	0.0182	
57 2,6-Dinitrotoluene	165	11.143	11.153	-0.010	534	0.0760	
59 3-Nitroaniline	138	11.278	11.302	-0.024	358	0.0904	
61 Acenaphthene	153	11.374	11.379	-0.005	993	0.0146	
60 2,4-Dinitrophenol	184	11.278	11.398	-0.120	655	1.01	
62 4-Nitrophenol	109	11.389	11.422	-0.033	98	0.4727	
64 Dibenzofuran	168	11.528	11.533	-0.005	1453	0.0156	
63 2,4-Dinitrotoluene	165	11.538	11.547	-0.009	271	0.1188	
66 Diethyl phthalate	149	11.744	11.744	0.000	12476	0.1649	
69 Fluorene	166	11.879	11.879	0.000	1469	0.0200	
68 4-Nitroaniline	138	11.937	11.927	0.010	75	0.0970	
70 4,6-Dinitro-2-methylphenol	198	12.144	11.951	0.193	341	0.4774	
72 N-Nitrosodiphenylamine	169	11.970	11.970	0.000	1729	0.0262	
71 Diphenylamine	169	11.970	11.970	0.000	1729	0.0262	
74 Azobenzene	77	12.038	12.004	0.034	8436	0.1067	
73 1,2-Diphenylhydrazine	77	12.038	12.004	0.034	8436	0.1067	
81 Anthracene	178	12.855	12.860	-0.005	8187	0.0835	
80 Phenanthrene	178	12.855	12.903	-0.048	8187	0.0748	
83 Carbazole	167	12.966	13.052	-0.086	1239	0.0143	
82 DFTPP	198	13.173	13.071	0.102	713		
84 Di-n-butyl phthalate	149	13.355	13.355	0.000	813800	6.39	
87 Fluoranthene	202	14.072	14.072	0.000	2775	0.0273	
85 Pyrene	202	14.072	14.072	0.000	2775	0.0300	
86 Benzidine	184	14.163	14.178	-0.015	250	0.3936	
88 4,4'-DDD	235	14.736	14.735	0.001	222		
89 Butyl benzyl phthalate	149	14.918	14.918	0.000	12555	0.3010	
90 4,4'-DDT	235	15.072	15.052	0.020	101		
92 Bis(2-ethylhexyl) phthalate	149	15.500	15.500	0.000	124798	2.02	
91 3,3'-Dichlorobenzidine	252	15.548	15.548	0.000	202	0.0668	
93 Benzo[a]anthracene	228	15.601	15.596	0.005	1357	0.0215	
94 Chrysene	228	15.644	15.649	-0.005	1427	0.0223	
95 Di-n-octyl phthalate	149	16.159	16.144	0.015	7974	0.4998	
98 Benzo[k]fluoranthene	252	16.856	16.827	0.029	850	0.0941	
97 Benzo[b]fluoranthene	252	16.856	16.851	0.005	850	0.0745	
101 Dibenz(a,h)anthracene	278	18.996	19.006	-0.010	834	0.2924	
100 Indeno[1,2,3-cd]pyrene	276	19.011	19.015	-0.004	1089	0.6539	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 27-Sep-2009 10:43:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03153.D

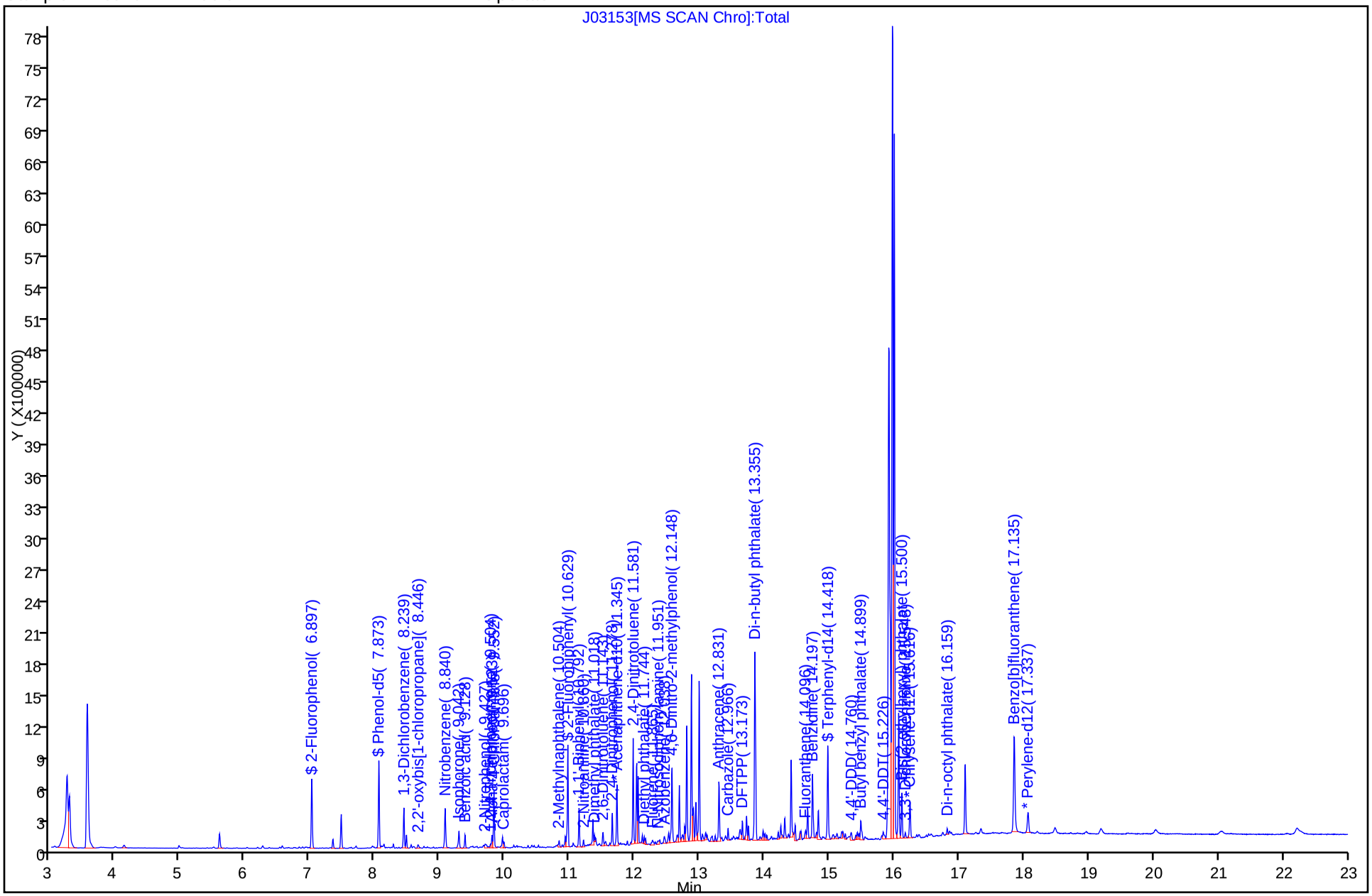
Inj Date: 26-Sep-2009 13:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: MB 360-49302/1A

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49345/1-A

Matrix: Solid | Lab File ID: B10631.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 21:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
95-57-8	2-Chlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
95-48-7	2-Methylphenol	ND		33	20
95-95-4	2,4,5-Trichlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
88-74-4	2-Nitroaniline	ND		170	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
91-58-7	2-Chloronaphthalene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
88-75-5	2-Nitrophenol	ND		33	10
106-47-8	4-Chloroaniline	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10
100-02-7	4-Nitrophenol	ND		170	10
62-53-3	Aniline	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
103-33-3	Azobenzene	ND		33	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49345/1-A

Matrix: Solid | Lab File ID: B10631.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 21:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
65-85-0	Benzoic acid	99.8	J	170	15
120-12-7	Anthracene	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
105-60-2	Caprolactam	ND		33	10
218-01-9	Chrysene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
98-86-2	Acetophenone	ND		33	10
84-74-2	Di-n-butyl phthalate	65.2		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
117-84-0	Di-n-octyl phthalate	ND		33	17
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
1912-24-9	Atrazine	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49345/1-A

Matrix: Solid | Lab File ID: B10631.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 21:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
86-74-8	Carbazole	ND		33	10
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
119-61-9	Benzophenone	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
101-84-8	Diphenyl oxide	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	74	30-130	
321-60-8	2-Fluorobiphenyl	77	30-130	
367-12-4	2-Fluorophenol	98	30-130	
4165-60-0	Nitrobenzene-d5	79	30-130	
4165-62-2	Phenol-d5	87	30-130	
1718-51-0	Terphenyl-d14	81	30-130	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 360-49345/1-A
Matrix: Solid
Lab File ID: B10631.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/23/2009 11:39
Sample wt/vol: 30.00(g)
Date Analyzed: 09/29/2009 21:47
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49685
Units: ug/Kg
Number TICs Found: 4
TIC Result Total: 115.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
121-33-5	Vanillin	9.08	14.8	T J N
111-82-0	Dodecanoic acid, methyl ester	9.56	10.2	T J N
593-45-3	Octadecane	10.65	53.7	T J N
112-95-8	Eicosane	11.35	37.0	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D		
Lims ID:	MB 360-49345/1-A	Client ID:	
Inject. Date:	29-Sep-2009 21:47:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49345/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49685	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	08-Oct-2009 08:00:46	Calib Date:	29-Sep-2009 20:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 14:13:01
Reviewed By:	sullivanp	Date:	12-Oct-2009 13:31:51

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.921	6.920	0.001	482655	2.00	
* 2 Naphthalene-d8	136	8.056	8.055	0.001	1025538	2.00	
* 3 Acenaphthene-d10	164	9.541	9.541	0.000	536655	2.00	
* 4 Phenanthrene-d10	188	10.787	10.787	0.000	953989	2.00	
* 5 Chrysene-d12	240	13.384	13.383	0.001	655976	2.00	
* 6 Perylene-d12	264	15.937	15.937	0.000	424811	2.00	
$ 7 2-Fluorophenol	112	5.618	5.569	0.049	1124631	9.76	
$ 8 Phenol-d5	99	6.589	6.574	0.015	1308614	8.74	
$ 9 Nitrobenzene-d5	82	7.426	7.425	0.001	563673	3.96	
$ 10 2-Fluorobiphenyl	172	8.964	8.964	0.000	1179669	3.85	
$ 11 2,4,6-Tribromophenol	330	10.205	10.200	0.005	248883	7.38	
$ 12 Terphenyl-d14	244	12.114	12.114	0.000	1013797	4.07	
17 Benzaldehyde	105	6.502	6.512	-0.010	7920	0.1026	
36 Benzoic acid	105	7.810	7.823	-0.013	153044	2.99	
66 Diethyl phthalate	149	9.873	9.878	-0.005	15721	0.0492	
80 Phenanthrene	178	10.806	10.806	0.000	12714	0.0299	
81 Anthracene	178	10.849	10.849	0.000	5109	0.0127	
83 Carbazole	167	10.975	10.974	0.001	7512	0.0231	
84 Di-n-butyl phthalate	149	11.239	11.239	0.000	1002470	1.96	
87 Fluoranthene	202	11.802	11.801	0.001	8913	0.0236	
85 Pyrene	202	11.999	11.998	0.001	11479	0.0277	
92 Bis(2-ethylhexyl) phthalate	149	13.360	13.359	0.001	72641	0.2059	
94 Chrysene	228	13.432	13.427	0.005	6667	0.0269	
97 Benzo[b]fluoranthene	252	15.394	15.393	0.001	4624	0.0212	
98 Benzo[k]fluoranthene	252	15.432	15.437	-0.005	5215	0.0279	
99 Benzo[a]pyrene	252	15.860	15.865	-0.005	2888	0.0939	
100 Indeno[1,2,3-cd]pyrene	276	17.466	17.466	0.000	6021	0.0604	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
101 Dibenz(a,h)anthracene	278	17.495	17.500	-0.005	5125	0.1285	
102 Benzo[g,h,i]perylene	276	17.909	17.908	0.001	5119	0.0558	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D		
Lims ID:	MB 360-49345/1-A	Client ID:	
Inject. Date:	29-Sep-2009 21:47:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49345/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49685	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	08-Oct-2009 08:00:46	Calib Date:	29-Sep-2009 20:52:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 14:13:01
Reviewed By:	sullivanp	Date:	12-Oct-2009 13:31:51

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
121-33-5 Vanillin						
9.080	671556	0.4434	3	97	68312	
111-82-0 Dodecanoic acid, methyl ester						
9.561	463049	0.3057	3	90	115462	
593-45-3 Octadecane						
10.652	1998324	1.61	4	98	112333	
112-95-8 Eicosane						
11.345	1376470	1.11	4	94	109630	

Quantitation Compounds

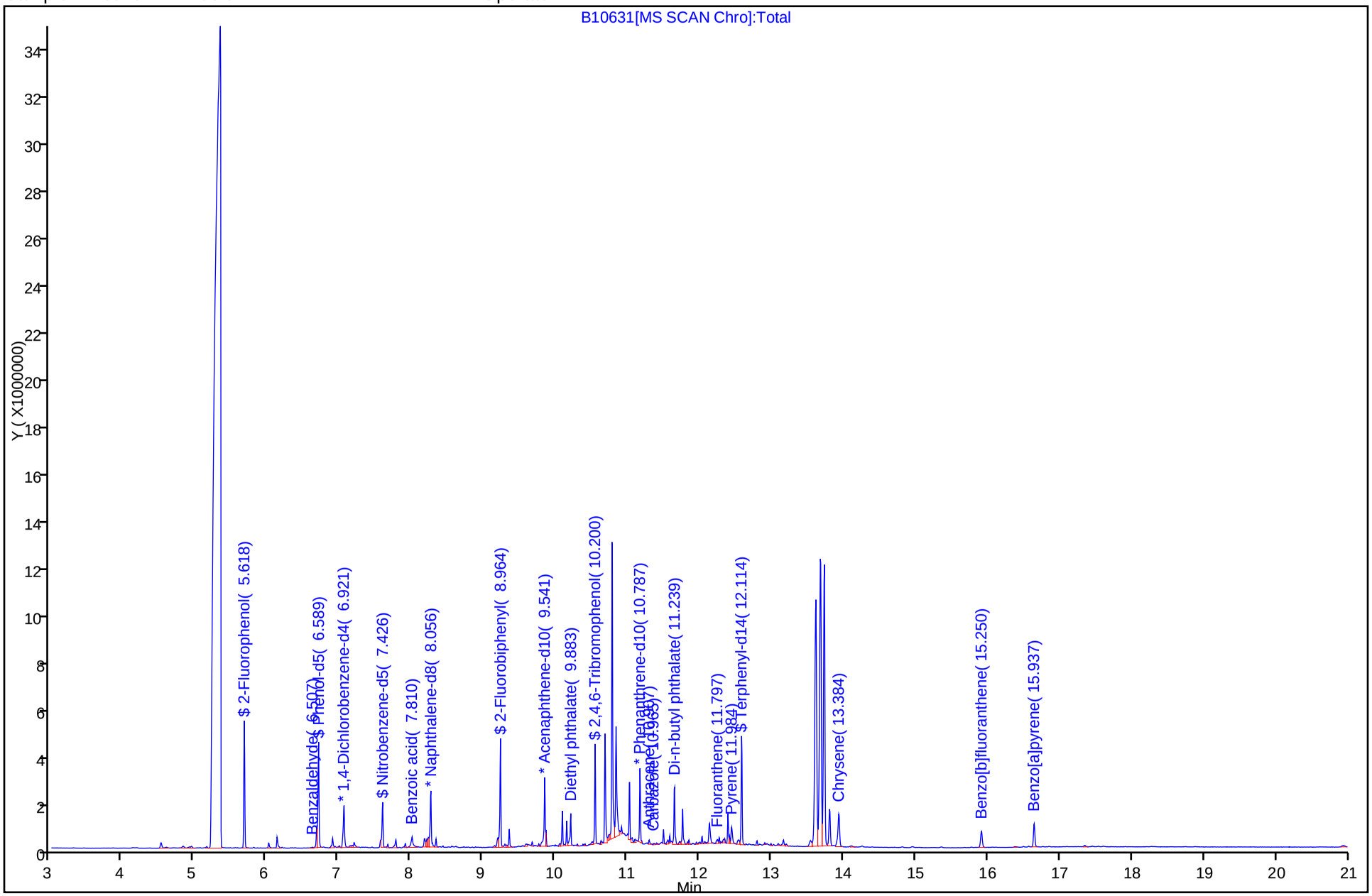
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.541	3029409	2.00
* 4 Phenanthrene-d10	10.787	2479150	2.00

QC Flag Legend

Processing Flags

Report Date: 12-Oct-2009 13:31:53 Chrom Revision: 1.1 01-Oct-2009 08:19:20

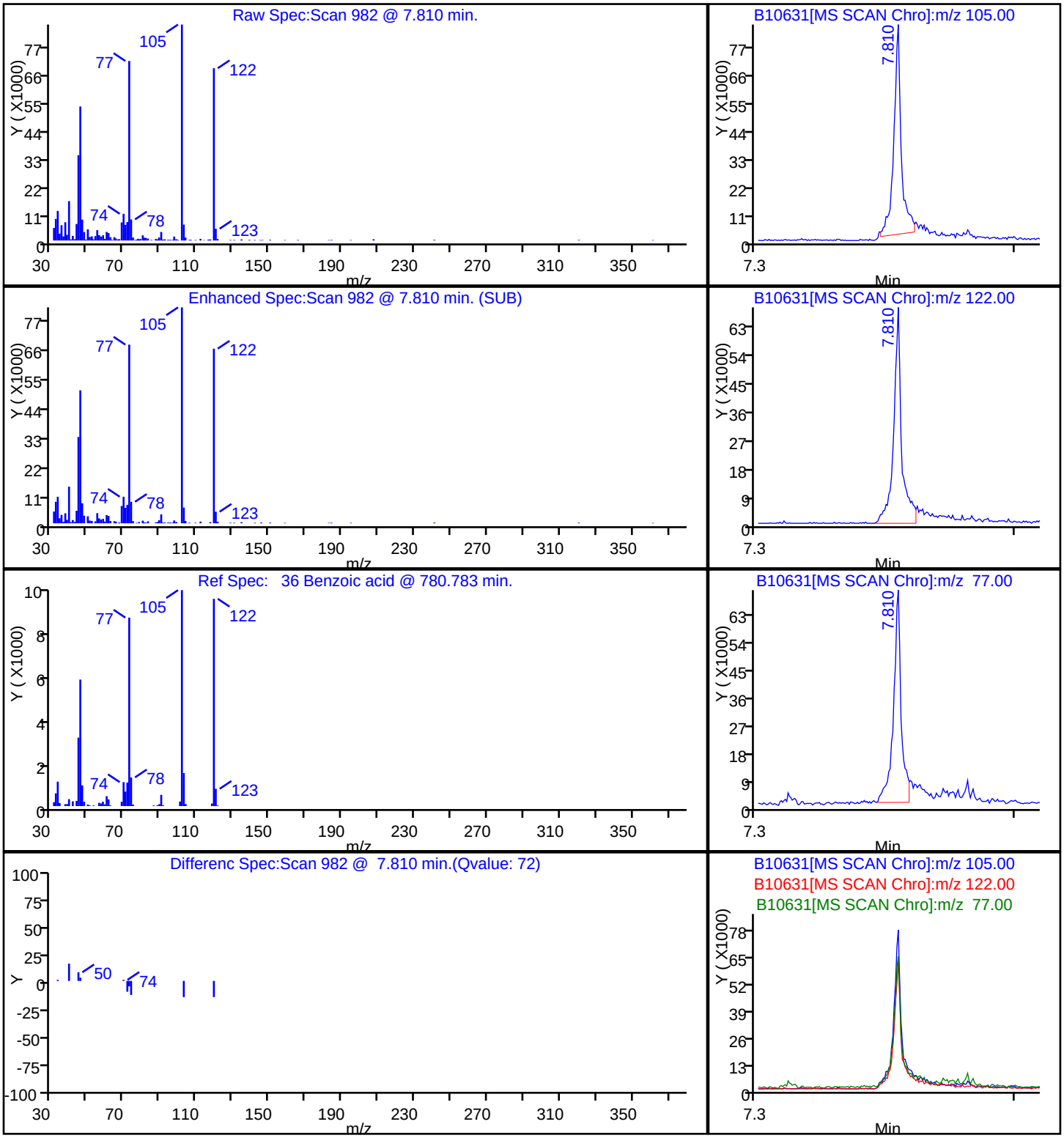
Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D		
Inj Date:	29-Sep-2009 21:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-49345/1-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 12-Oct-2009 13:31:54 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D		
Inj Date:	29-Sep-2009 21:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49685	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-49345/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid



Report Date: 12-Oct-2009 13:32:00 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D

Inj Date: 29-Sep-2009 21:47:30 Limit Group: SMS - 8270LL SVOA Calibration

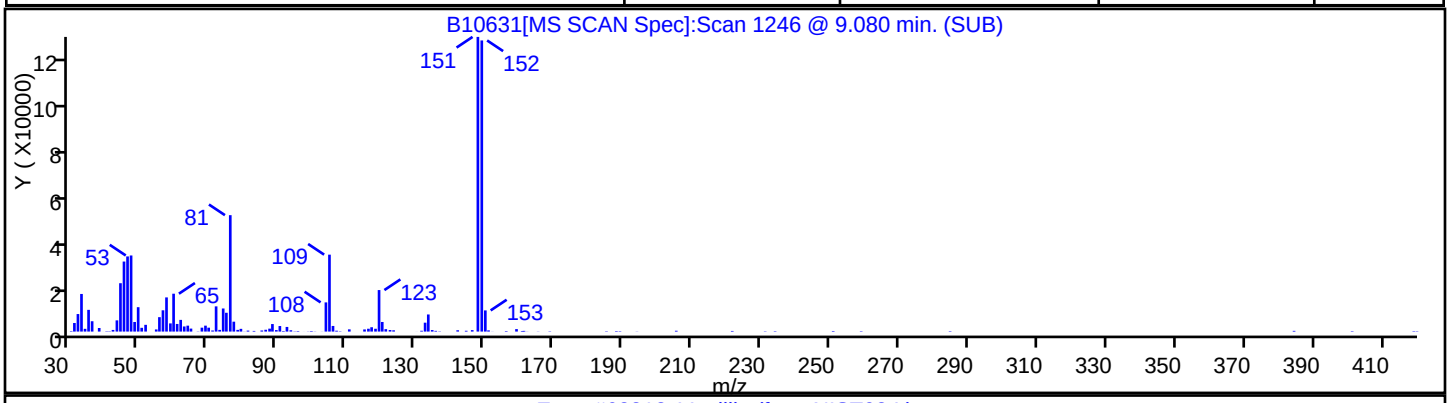
Lims Batch ID: 49685 Lims Sample ID: 12

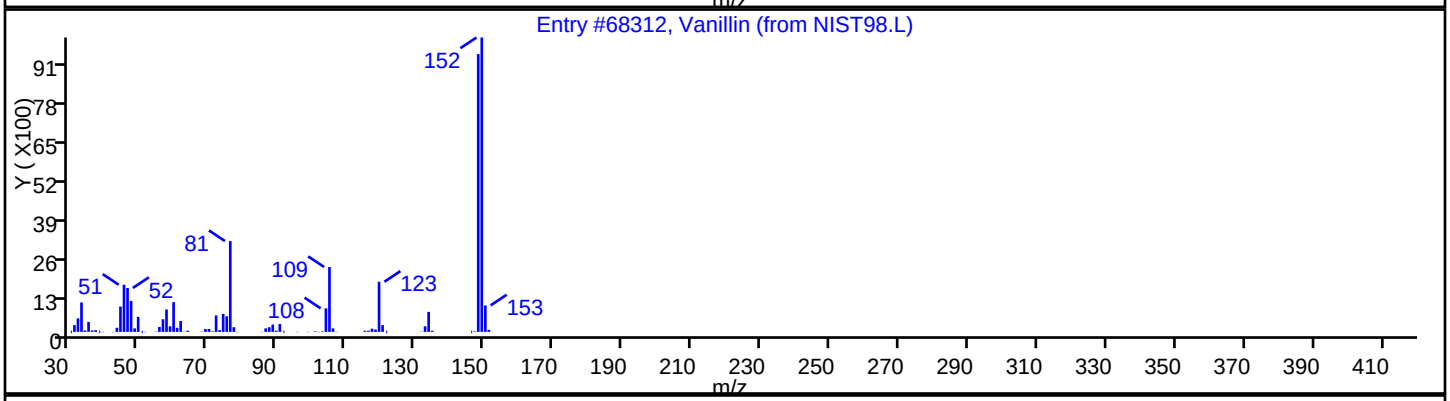
Client ID: Instrument: Inst. B

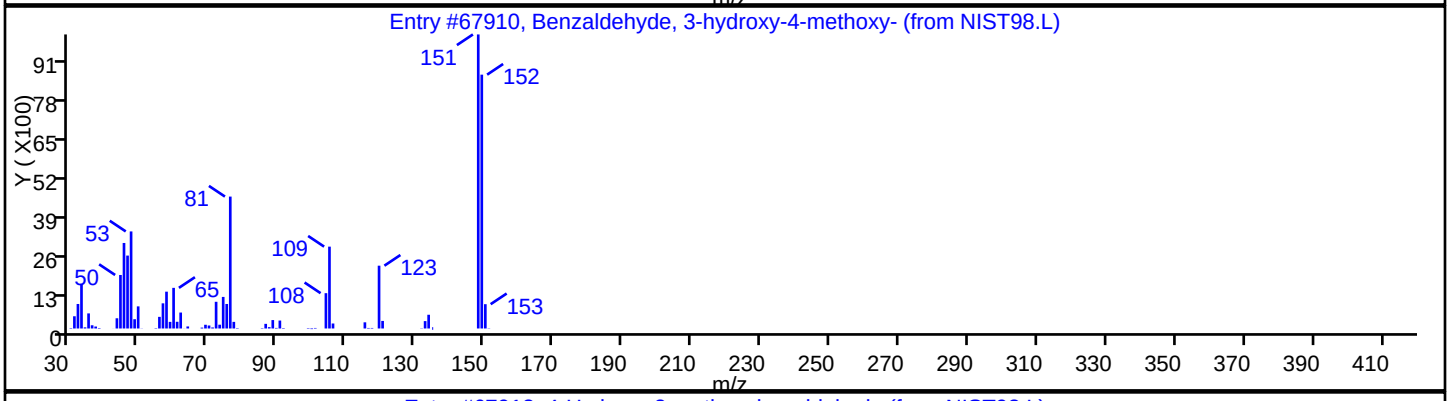
Sample Info: mb 360-49345/1-a

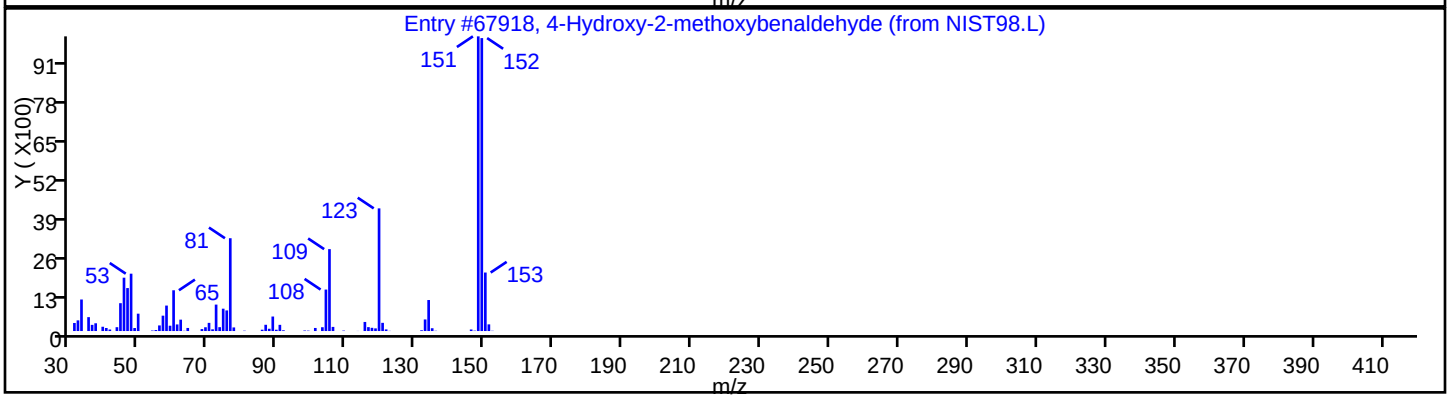
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	68312	97
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	94
4-Hydroxy-2-methoxybenaldehyde	18278-34-7	NIST98.L	67918	62









Report Date: 12-Oct-2009 13:32:00 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D

Inj Date: 29-Sep-2009 21:47:30 Limit Group: SMS - 8270LL SVOA Calibration

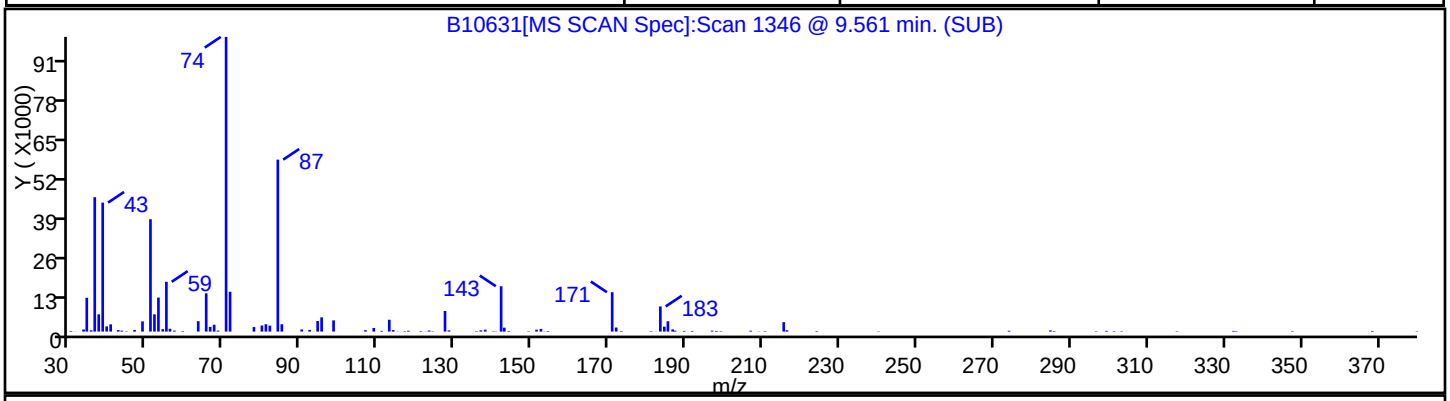
Lims Batch ID: 49685 Lims Sample ID: 12

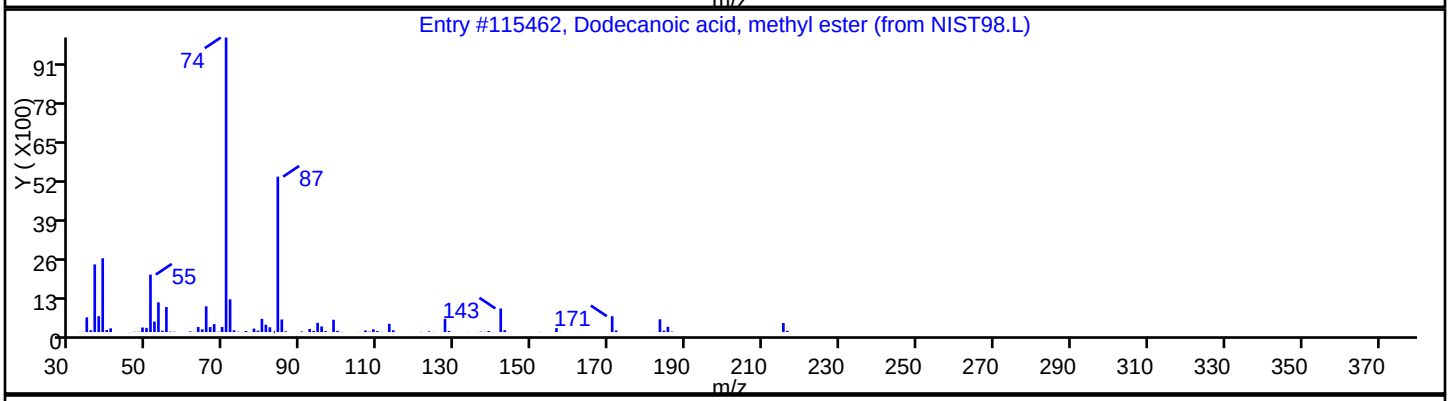
Client ID: Instrument: Inst. B

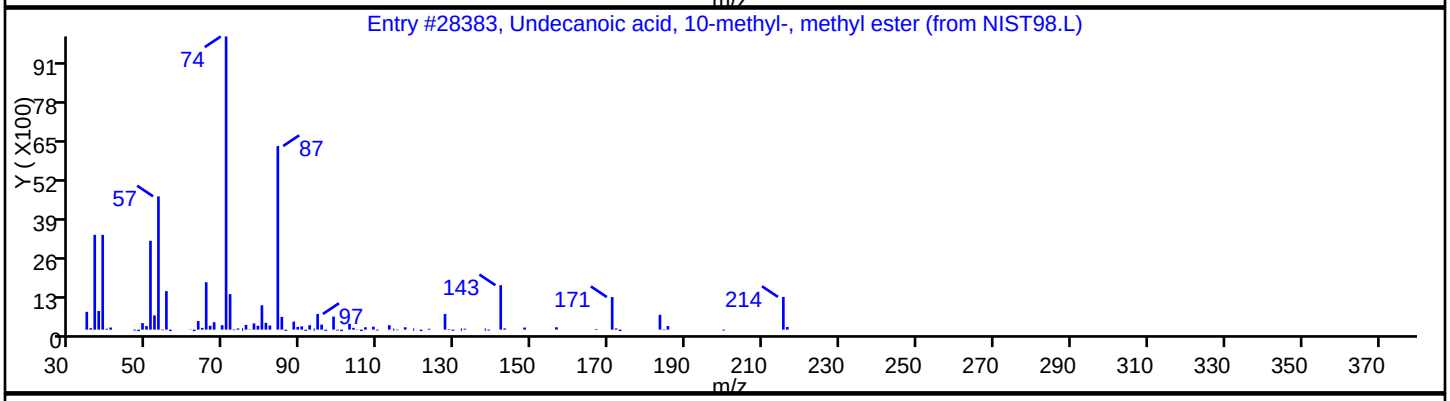
Sample Info: mb 360-49345/1-a

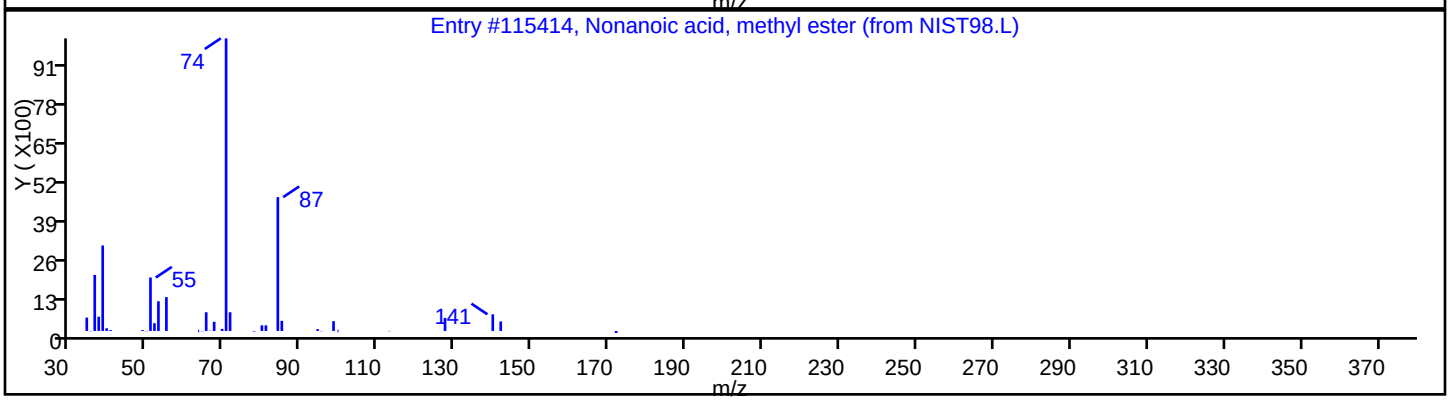
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	90
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	83
Nonanoic acid, methyl ester	1731-84-6	NIST98.L	115414	72









Report Date: 12-Oct-2009 13:32:00 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D

Inj Date: 29-Sep-2009 21:47:30 Limit Group: SMS - 8270LL SVOA Calibration

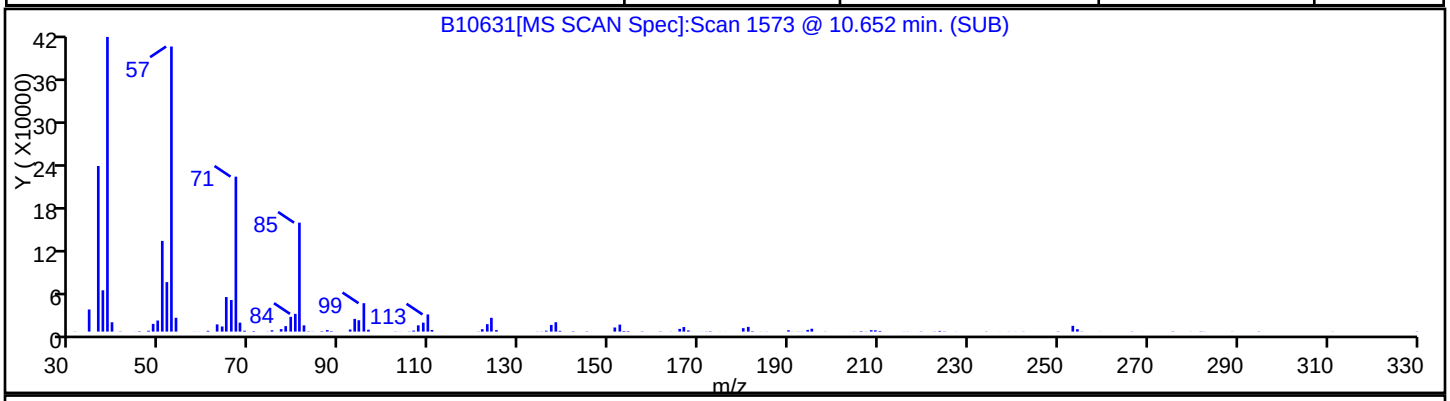
Lims Batch ID: 49685 Lims Sample ID: 12

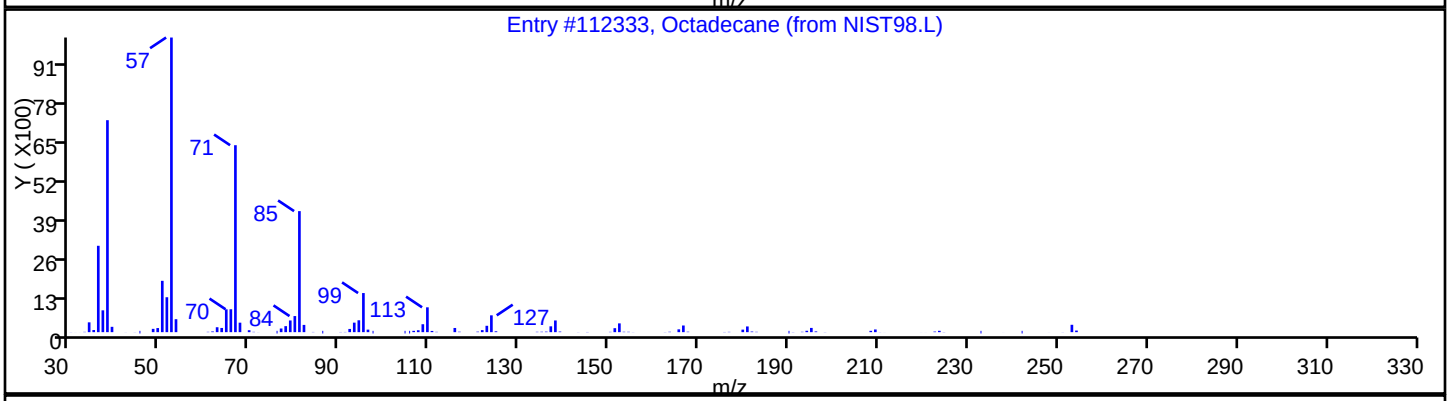
Client ID: Instrument: Inst. B

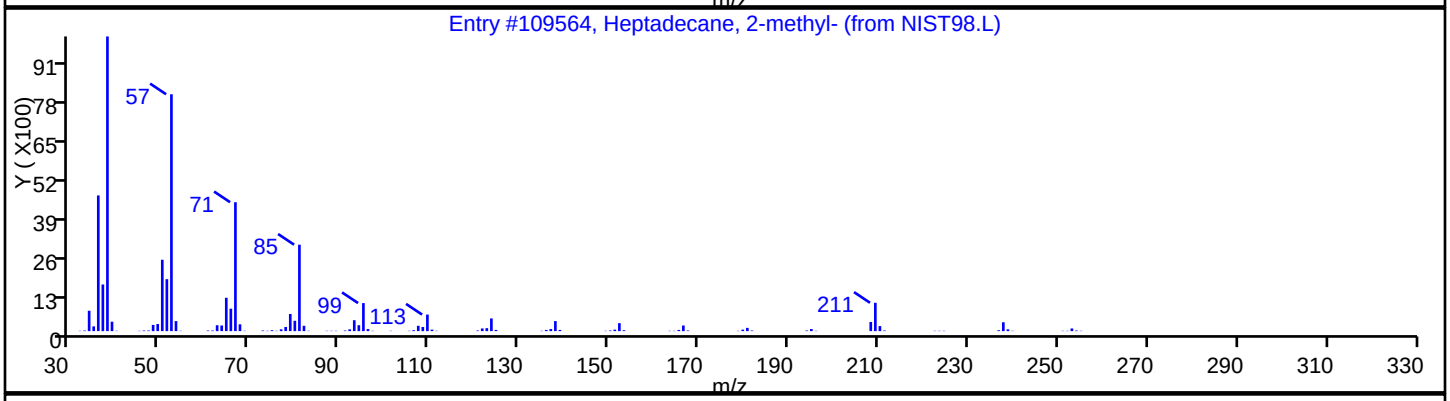
Sample Info: mb 360-49345/1-a

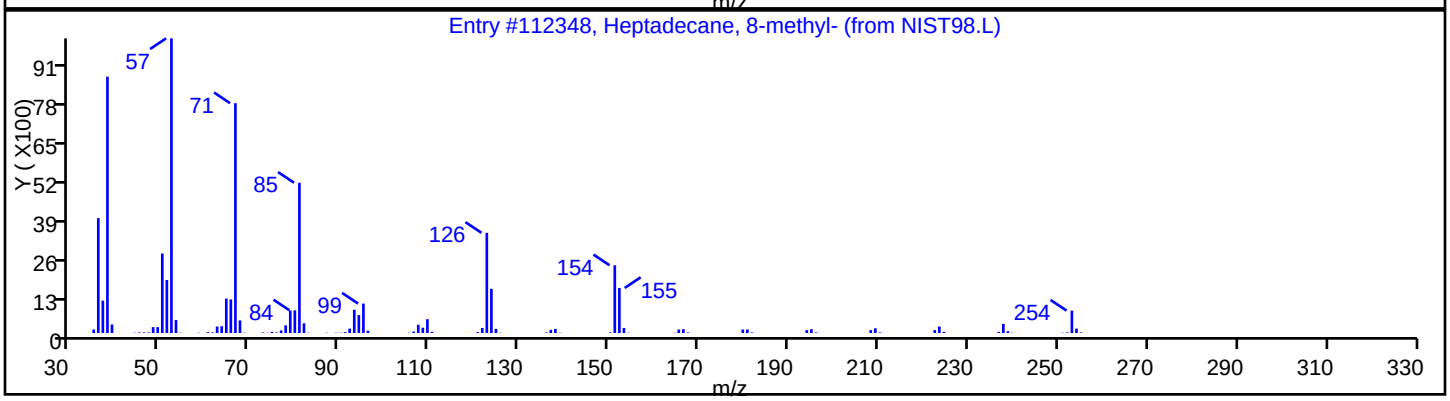
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	98
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109564	94
Heptadecane, 8-methyl-	13287-23-5	NIST98.L	112348	93









Report Date: 12-Oct-2009 13:32:00 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10631.D

Inj Date: 29-Sep-2009 21:47:30 Limit Group: SMS - 8270LL SVOA Calibration

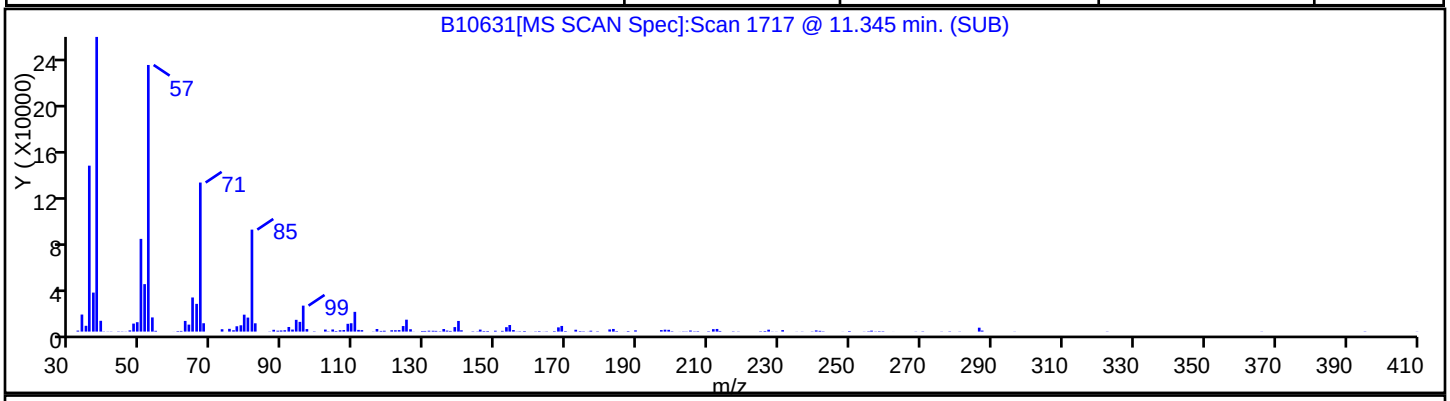
Lims Batch ID: 49685 Lims Sample ID: 12

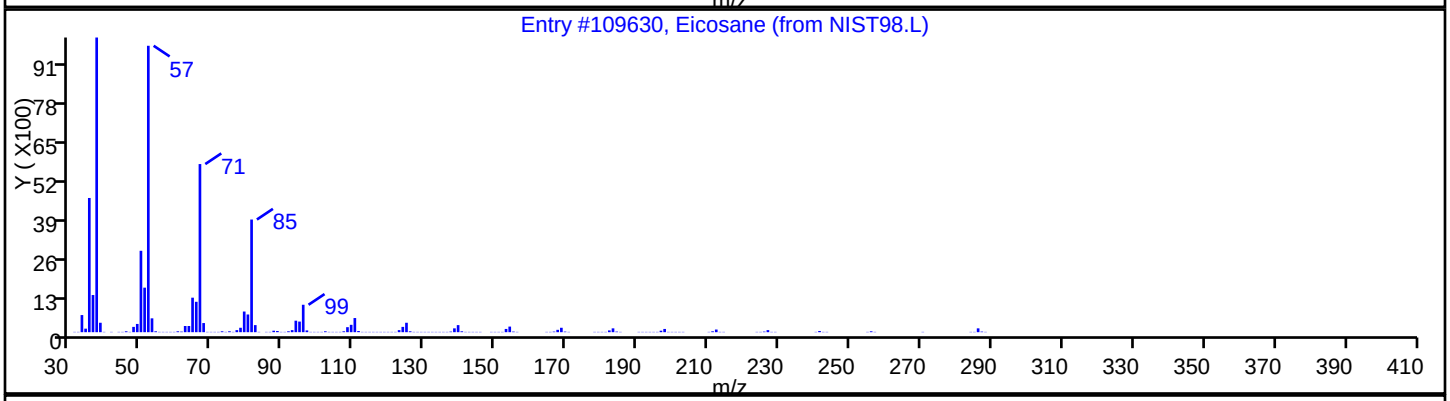
Client ID: Instrument: Inst. B

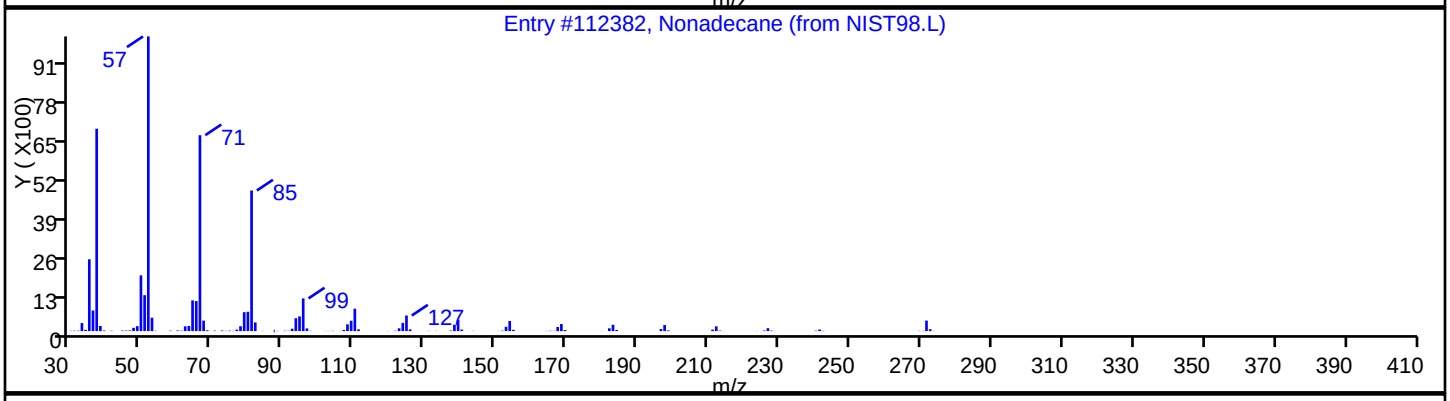
Sample Info: mb 360-49345/1-a

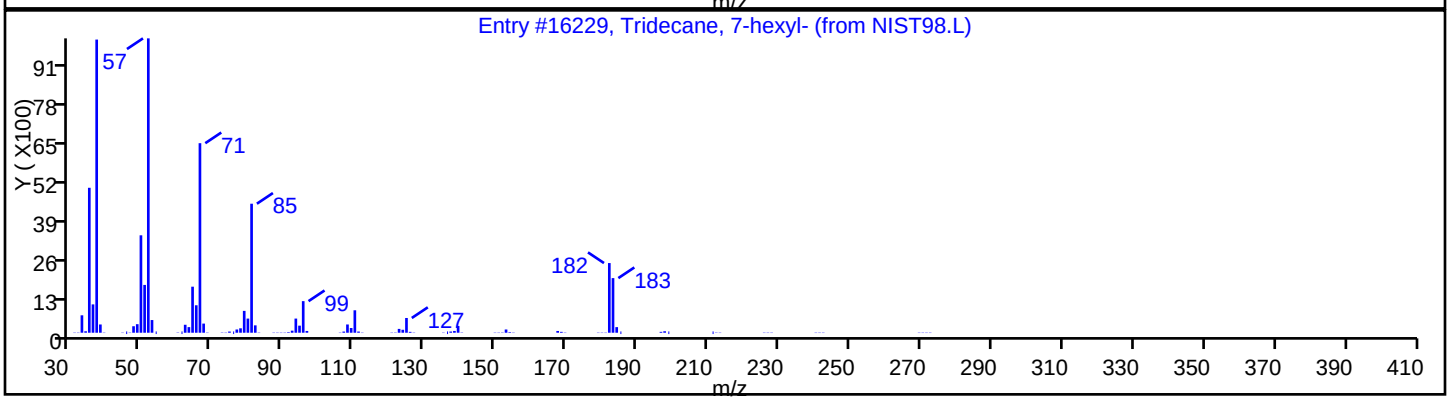
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	94
Nonadecane	629-92-5	NIST98.L	112382	91
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-48980/2-A

Matrix: Water | Lab File ID: B10559.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 23:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	8.96		5.0	0.50
95-94-3	1,2,4,5-Tetrachlorobenzene	6.04		5.0	0.50
90-12-0	1-Methylnaphthalene	7.20		5.0	0.050
58-90-2	2,3,4,6-Tetrachlorophenol	6.71		5.0	0.50
105-67-9	2,4-Dimethylphenol	6.48		5.0	0.50
95-57-8	2-Chlorophenol	5.23		5.0	0.50
120-83-2	2,4-Dichlorophenol	7.31		5.0	0.50
88-06-2	2,4,6-Trichlorophenol	8.13		5.0	0.50
95-48-7	2-Methylphenol	4.17	J	5.0	0.50
95-95-4	2,4,5-Trichlorophenol	7.80		5.0	0.50
91-57-6	2-Methylnaphthalene	5.92		1.0	0.050
15831-10-4	3 & 4 Methylphenol	3.56	J	5.0	0.50
88-74-4	2-Nitroaniline	8.48		5.0	0.50
91-94-1	3,3'-Dichlorobenzidine	8.52		5.0	0.50
91-58-7	2-Chloronaphthalene	5.92		5.0	0.50
606-20-2	2,6-Dinitrotoluene	8.16		5.0	0.50
59-50-7	4-Chloro-3-methylphenol	6.70		5.0	0.50
88-75-5	2-Nitrophenol	7.82		5.0	0.50
106-47-8	4-Chloroaniline	5.97		5.0	0.50
99-09-2	3-Nitroaniline	7.36		5.0	0.50
51-28-5	2,4-Dinitrophenol	7.54		5.0	0.50
121-14-2	2,4-Dinitrotoluene	7.61		5.0	0.50
83-32-9	Acenaphthene	8.96		1.0	0.050
208-96-8	Acenaphthylene	7.77		0.30	0.050
100-02-7	4-Nitrophenol	1.45	J	5.0	0.50
62-53-3	Aniline	1.87	J	5.0	0.50
100-01-6	4-Nitroaniline	7.92		5.0	0.50
103-33-3	Azobenzene	9.30		5.0	0.50
101-55-3	4-Bromophenyl phenyl ether	8.63		5.0	0.50
7005-72-3	4-Chlorophenyl phenyl ether	7.91		5.0	0.50
534-52-1	4,6-Dinitro-2-methylphenol	8.11		5.0	0.50
65-85-0	Benzoic acid	2.12	J	5.0	0.50
120-12-7	Anthracene	10.8		1.0	0.070
100-51-6	Benzyl alcohol	4.46	J	10	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-48980/2-A

Matrix: Water | Lab File ID: B10559.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 23:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	6.57		5.0	0.50
111-44-4	Bis(2-chloroethyl)ether	6.43		5.0	0.50
85-68-7	Butyl benzyl phthalate	10.5		5.0	0.50
56-55-3	Benzo[a]anthracene	10.6		0.30	0.17
105-60-2	Caprolactam	1.08	J	5.0	0.50
218-01-9	Chrysene	10.3		1.0	0.17
205-99-2	Benzo[b]fluoranthene	9.66		0.30	0.14
207-08-9	Benzo[k]fluoranthene	10.6		0.30	0.17
50-32-8	Benzo[a]pyrene	9.81		0.20	0.10
132-64-9	Dibenzofuran	7.81		5.0	0.50
53-70-3	Dibenz(a,h)anthracene	10.1		0.50	0.064
84-66-2	Diethyl phthalate	8.72		5.0	0.50
191-24-2	Benzo[g,h,i]perylene	10.3		0.50	0.094
131-11-3	Dimethyl phthalate	8.50		5.0	0.50
98-86-2	Acetophenone	7.40		5.0	0.50
84-74-2	Di-n-butyl phthalate	10.0		5.0	0.60
117-81-7	Bis(2-ethylhexyl) phthalate	13.8		2.0	0.50
117-84-0	Di-n-octyl phthalate	8.53		5.0	0.73
206-44-0	Fluoranthene	9.64		1.0	0.20
86-73-7	Fluorene	9.82		1.0	0.050
118-74-1	Hexachlorobenzene	8.84		1.0	0.50
108-60-1	bis (2-chloroisopropyl) ether	6.52		5.0	0.50
77-47-4	Hexachlorocyclopentadiene	5.06		5.0	0.50
67-72-1	Hexachloroethane	5.36		3.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	10.3		0.50	0.079
78-59-1	Isophorone	6.18		5.0	0.50
98-95-3	Nitrobenzene	6.51		5.0	0.50
1912-24-9	Atrazine	11.7		5.0	0.50
100-52-7	Benzaldehyde	9.32		5.0	0.50
86-74-8	Carbazole	9.75		5.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	7.34		5.0	0.50
119-61-9	Benzophenone	10.2		5.0	0.50
86-30-6	N-Nitrosodiphenylamine	6.45		5.0	0.50
101-84-8	Diphenyl oxide	7.62		5.0	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 360-48980/2-A
Matrix: Water
Lab File ID: B10559.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3510C
Date Extracted: 09/15/2009 14:56
Sample wt/vol: 1000(mL)
Date Analyzed: 09/25/2009 23:23
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49511
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	8.51		1.0	0.50
85-01-8	Phenanthrene	9.70		0.20	0.085
108-95-2	Phenol	1.27	J	5.0	0.50
129-00-0	Pyrene	9.74		5.0	0.19

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	78	15-110	
321-60-8	2-Fluorobiphenyl	70	30-130	
367-12-4	2-Fluorophenol	22	15-110	
4165-60-0	Nitrobenzene-d5	60	30-130	
4165-62-2	Phenol-d5	11	15-110	X
1718-51-0	Terphenyl-d14	79	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10559.D		
Lims ID:	LCS 360-48980/2-A	Client ID:	
Inject. Date:	25-Sep-2009 23:23:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48980/2-a		
Misc. Info.:	360-0001300-015		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49511	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:30:41
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:57

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.256	7.254	0.002	435315	2.00	
* 2 Naphthalene-d8	136	8.391	8.389	0.002	1109273	2.00	
* 3 Acenaphthene-d10	164	9.881	9.879	0.002	385587	2.00	
* 4 Phenanthrene-d10	188	11.136	11.134	0.002	612600	2.00	
* 5 Chrysene-d12	240	14.046	14.044	0.002	473600	2.00	
* 6 Perylene-d12	264	16.532	16.530	0.002	333621	2.00	
$ 7 2-Fluorophenol	112	5.948	5.941	0.007	246570	2.18	
$ 8 Phenol-d5	99	6.895	6.898	-0.003	164490	1.14	
$ 9 Nitrobenzene-d5	82	7.756	7.754	0.002	446687	2.98	
$ 10 2-Fluorobiphenyl	172	9.290	9.293	-0.003	893275	3.50	
$ 11 2,4,6-Tribromophenol	330	10.545	10.543	0.002	182702	7.80	
$ 12 Terphenyl-d14	244	12.517	12.519	-0.003	726856	3.97	
14 1,4-Dioxane	88	3.149	3.137	0.012	81679	2.24	
15 N-Nitrosodimethylamine	42	3.813	3.806	0.007	206836	2.47	
16 Pyridine	79	3.841	3.820	0.021	129977	1.35	
17 Benzaldehyde	105	6.847	6.850	-0.003	735766	9.32	
18 Phenol	94	6.909	6.908	0.001	192101	1.27	
19 Aniline	93	6.948	6.946	0.002	328779	1.87	
20 Bis(2-chloroethyl)ether	93	7.006	7.004	0.002	759857	6.43	
21 2-Chlorophenol	128	7.059	7.057	0.002	684706	5.23	
22 1,4-Dichlorobenzene	146	7.203	7.201	0.002	837541	5.27	
23 1,3-Dichlorobenzene	146	7.270	7.268	0.002	883987	5.33	
24 Benzyl alcohol	79	7.371	7.374	-0.003	466100	4.46	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	831525	5.35	
26 2-Methylphenol	108	7.467	7.465	0.002	473974	4.17	
27 2,2'-oxybis[1-chloropropane]	45	7.496	7.494	0.002	1434608	6.52	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.597	7.600	-0.003	425470	3.56	
29 N-Nitrosodi-n-propylamine	70	7.612	7.610	0.002	656992	7.34	
30 Acetophenone	105	7.616	7.614	0.002	1294242	7.40	
31 Hexachloroethane	117	7.717	7.715	0.002	313223	5.36	
32 Nitrobenzene	77	7.770	7.773	-0.003	957298	6.51	
33 Isophorone	82	7.977	7.975	0.002	1420126	6.18	
34 2-Nitrophenol	139	8.049	8.052	-0.003	489237	7.82	
35 2,4-Dimethylphenol	107	8.068	8.066	0.002	842385	6.48	
36 Benzoic acid	105	8.107	8.119	-0.012	53622	2.12	
37 Bis(2-chloroethoxy)methane	93	8.150	8.148	0.002	942217	6.57	
38 2,4-Dichlorophenol	162	8.256	8.254	0.002	718815	7.31	
39 1,2,4-Trichlorobenzene	180	8.333	8.331	0.002	669339	5.94	
40 Alpha-Terpineol	59	8.391	8.393	-0.002	768707	6.73	
41 Naphthalene	128	8.405	8.408	-0.003	2389753	5.82	
42 4-Chloroaniline	127	8.439	8.442	-0.003	942082	5.97	
43 Hexachlorobutadiene	225	8.501	8.504	-0.003	339340	5.10	
44 Caprolactam	55	8.727	8.725	0.002	52455	1.08	
45 4-Chloro-3-methylphenol	107	8.828	8.831	-0.003	665603	6.70	
46 2-Methylnaphthalene	142	8.992	8.995	-0.003	1605809	5.92	
47 1-Methylnaphthalene	142	9.078	9.081	-0.003	1894370	7.20	
48 Hexachlorocyclopentadiene	237	9.126	9.124	0.002	231031	5.06	
49 1,2,4,5-Tetrachlorobenzene	216	9.136	9.134	0.002	649462	6.04	
50 2,4,6-Trichlorophenol	196	9.222	9.225	-0.003	507357	8.13	
51 2,4,5-Trichlorophenol	196	9.256	9.254	0.002	546949	7.80	
52 1,1'-Biphenyl	154	9.381	9.379	0.002	2410670	8.96	
53 2-Chloronaphthalene	162	9.410	9.413	-0.003	1513198	5.92	
54 Phenyl ether	170	9.463	9.466	-0.003	1304260	7.62	
68 4-Nitroaniline	138	9.482	9.485	-0.003	620759	7.92	
56 Dimethyl phthalate	163	9.617	9.615	0.002	1980213	8.50	
57 2,6-Dinitrotoluene	165	9.679	9.677	0.002	459101	8.16	
58 Acenaphthylene	152	9.766	9.764	0.002	2511786	7.77	
59 3-Nitroaniline	138	9.828	9.826	0.002	418897	7.36	
61 Acenaphthene	153	9.910	9.908	0.002	2008978	8.96	
60 2,4-Dinitrophenol	184	9.910	9.913	-0.003	174410	7.54	
62 4-Nitrophenol	109	9.934	9.937	-0.003	47060	1.45	
63 2,4-Dinitrotoluene	165	10.021	10.019	0.002	599211	7.61	
64 Dibenzofuran	168	10.054	10.052	0.002	2277746	7.81	
65 2,3,4,6-Tetrachlorophenol	232	10.146	10.144	0.002	336112	6.71	
66 Diethyl phthalate	149	10.199	10.202	-0.003	2132867	8.72	
67 4-Chlorophenyl phenyl ether	204	10.324	10.322	0.002	877580	7.91	
69 Fluorene	166	10.343	10.341	0.002	2361518	9.82	
55 2-Nitroaniline	65	10.343	10.341	0.002	504959	8.48	
70 4,6-Dinitro-2-methylphenol	198	10.367	10.360	0.007	271095	8.11	
72 N-Nitrosodiphenylamine	169	10.420	10.418	0.002	1270072	6.45	
74 Azobenzene	77	10.458	10.456	0.002	3447029	9.30	
73 1,2-Diphenylhydrazine	77	10.458	10.456	0.002	3447029	9.30	
13 Benzophenone	105	10.468	10.466	0.002	2218317	10.2	
75 4-Bromophenyl phenyl ether	248	10.737	10.735	0.002	472894	8.63	
76 Hexachlorobenzene	284	10.809	10.807	0.002	462179	8.84	
77 Atrazine	200	10.843	10.841	0.002	637619	11.7	
78 Pentachlorophenol	266	10.963	10.966	-0.003	245703	8.51	
79 Pentachloronitrobenzene	237	10.978	10.976	0.002	242547	8.33	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.156	11.154	0.002	2994732	9.70	
81 Anthracene	178	11.199	11.197	0.002	3123295	10.8	
83 Carbazole	167	11.319	11.317	0.002	2368359	9.75	
84 Di-n-butyl phthalate	149	11.564	11.562	0.002	3802408	10.0	
87 Fluoranthene	202	12.175	12.173	0.002	2664684	9.64	
86 Benzidine	184	12.271	12.269	0.002	6539	0.8405	
85 Pyrene	202	12.401	12.399	0.002	3018361	9.74	
89 Butyl benzyl phthalate	149	13.074	13.072	0.002	1463489	10.5	
91 3,3'-Dichlorobenzidine	252	13.950	13.948	0.002	541517	8.52	
92 Bis(2-ethylhexyl) phthalate	149	13.983	13.981	0.002	3057803	13.8	
93 Benzo[a]anthracene	228	14.026	14.025	0.001	2217755	10.6	
94 Chrysene	228	14.099	14.092	0.007	2047431	10.3	
95 Di-n-octyl phthalate	149	15.378	15.376	0.002	3107043	8.53	
97 Benzo[b]fluoranthene	252	15.984	15.982	0.002	1846049	9.66	
98 Benzo[k]fluoranthene	252	16.022	16.020	0.002	1848931	10.6	
99 Benzo[a]pyrene	252	16.450	16.448	0.002	1525612	9.81	
100 Indeno[1,2,3-cd]pyrene	276	18.335	18.333	0.002	1129521	10.3	
101 Dibenz(a,h)anthracene	278	18.369	18.367	0.002	893883	10.1	
102 Benzo[g,h,i]perylene	276	18.869	18.867	0.002	930913	10.3	

Report Date: 28-Sep-2009 07:17:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10559.D

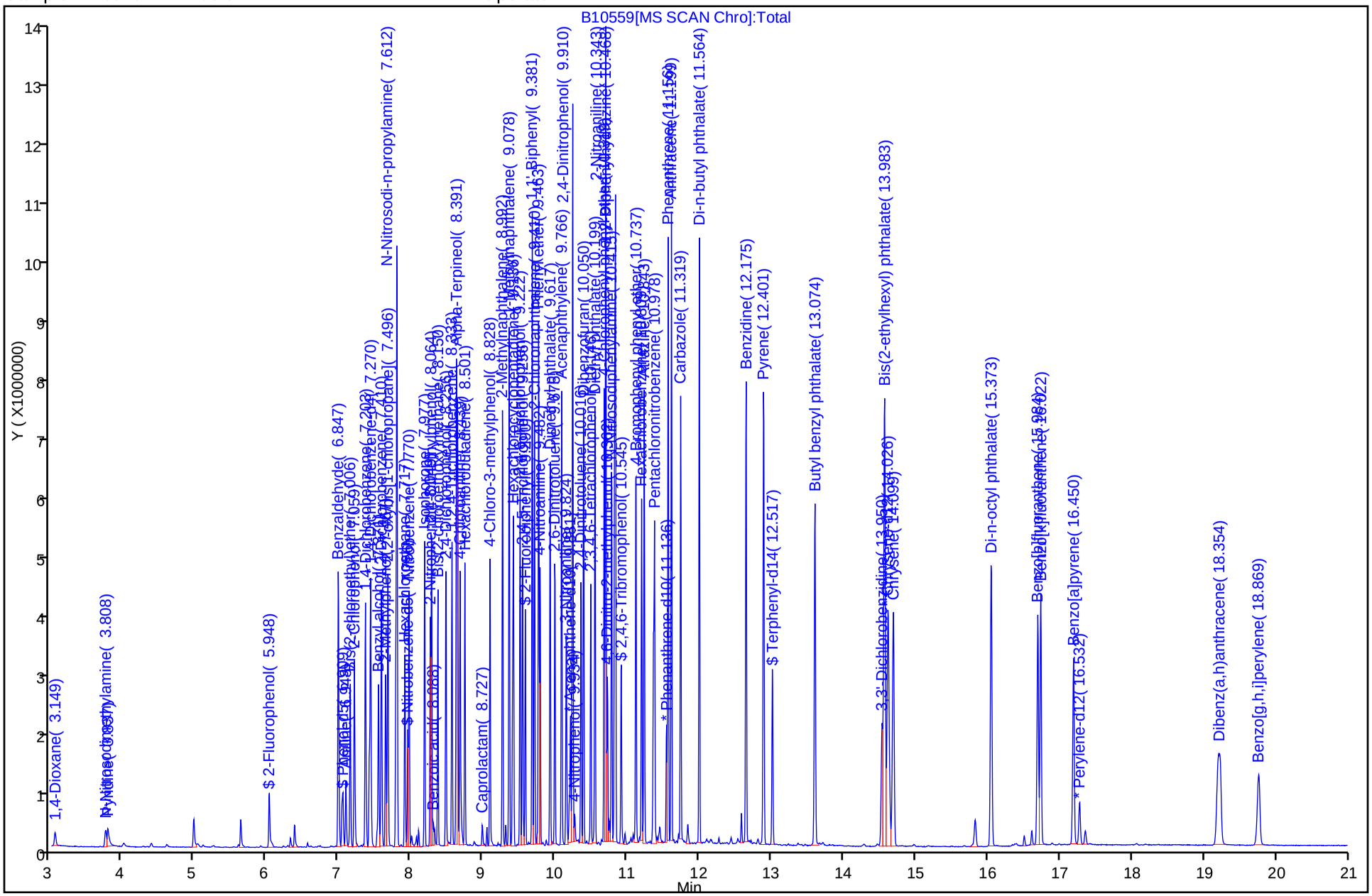
Inj Date: 25-Sep-2009 23:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 15

Client ID: Instrument: Inst. B

Sample Info: lcs 360-48980/2-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49246/2-A

Matrix: Solid | Lab File ID: J03194.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 20:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	314		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	346		33	10
120-82-1	1,2,4-Trichlorobenzene	307		33	10
95-50-1	1,2-Dichlorobenzene	216		33	10
541-73-1	1,3-Dichlorobenzene	207		33	10
106-46-7	1,4-Dichlorobenzene	208		33	10
90-12-0	1-Methylnaphthalene	336		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	281		33	10
105-67-9	2,4-Dimethylphenol	391		33	13
95-57-8	2-Chlorophenol	241		33	10
120-83-2	2,4-Dichlorophenol	424		33	10
88-06-2	2,4,6-Trichlorophenol	293		33	10
95-48-7	2-Methylphenol	256		33	20
95-95-4	2,4,5-Trichlorophenol	348		33	10
91-57-6	2-Methylnaphthalene	331		33	10
15831-10-4	3 & 4 Methylphenol	268		33	10
88-74-4	2-Nitroaniline	332		170	10
91-94-1	3,3'-Dichlorobenzidine	386		67	10
91-58-7	2-Chloronaphthalene	319		33	10
606-20-2	2,6-Dinitrotoluene	339		33	10
59-50-7	4-Chloro-3-methylphenol	402		67	10
88-75-5	2-Nitrophenol	338		33	10
106-47-8	4-Chloroaniline	308		67	10
99-09-2	3-Nitroaniline	327		170	10
51-28-5	2,4-Dinitrophenol	283		33	10
121-14-2	2,4-Dinitrotoluene	324		33	10
83-32-9	Acenaphthene	348		33	10
208-96-8	Acenaphthylene	311		33	10
100-02-7	4-Nitrophenol	338		170	10
62-53-3	Aniline	102		33	10
100-01-6	4-Nitroaniline	375		170	10
103-33-3	Azobenzene	334		33	10
101-55-3	4-Bromophenyl phenyl ether	327		33	10
7005-72-3	4-Chlorophenyl phenyl ether	325		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49246/2-A

Matrix: Solid | Lab File ID: J03194.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 20:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	311		170	10
65-85-0	Benzoic acid	272		170	15
120-12-7	Anthracene	358		33	10
100-51-6	Benzyl alcohol	262		67	28
111-91-1	Bis(2-chloroethoxy)methane	310		33	10
111-44-4	Bis(2-chloroethyl)ether	221		33	10
85-68-7	Butyl benzyl phthalate	331		33	10
56-55-3	Benzo[a]anthracene	384		33	10
105-60-2	Caprolactam	372		33	10
218-01-9	Chrysene	351		33	10
205-99-2	Benzo[b]fluoranthene	344		33	10
207-08-9	Benzo[k]fluoranthene	384		33	10
50-32-8	Benzo[a]pyrene	423		33	10
132-64-9	Dibenzofuran	295		33	10
53-70-3	Dibenz(a,h)anthracene	424		33	10
84-66-2	Diethyl phthalate	327		33	10
191-24-2	Benzo[g,h,i]perylene	452		33	10
131-11-3	Dimethyl phthalate	313		33	10
98-86-2	Acetophenone	249		33	10
84-74-2	Di-n-butyl phthalate	417		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	370		33	10
117-84-0	Di-n-octyl phthalate	365		33	17
206-44-0	Fluoranthene	358		33	10
86-73-7	Fluorene	368		33	10
118-74-1	Hexachlorobenzene	322		33	10
87-68-3	Hexachlorobutadiene	325		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	234		33	10
77-47-4	Hexachlorocyclopentadiene	265		67	10
67-72-1	Hexachloroethane	220		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	512		33	10
78-59-1	Isophorone	314		33	10
91-20-3	Naphthalene	321		80	10
98-95-3	Nitrobenzene	333		33	10
1912-24-9	Atrazine	393		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49246/2-A

Matrix: Solid | Lab File ID: J03194.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 20:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	279		33	10
62-75-9	N-Nitrosodimethylamine	234		33	12
86-74-8	Carbazole	355		33	10
621-64-7	N-Nitrosodi-n-propylamine	254		33	10
119-61-9	Benzophenone	344		33	10
86-30-6	N-Nitrosodiphenylamine	239		33	10
101-84-8	Diphenyl oxide	366		33	10
87-86-5	Pentachlorophenol	311		33	10
85-01-8	Phenanthrene	388		40	10
108-95-2	Phenol	247		33	10
129-00-0	Pyrene	350		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	86	30-130	
321-60-8	2-Fluorobiphenyl	80	30-130	
367-12-4	2-Fluorophenol	63	30-130	
4165-60-0	Nitrobenzene-d5	89	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	80	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03194.D		
Lims ID:	LCS 360-49246/2-A	Client ID:	
Inject. Date:	28-Sep-2009 20:05:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-49246/2-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49645	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	01-Oct-2009 08:58:00	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 15:50:50
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:00:55
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:04:58
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:33:20
Reviewed By:	sullivanp	Date:	01-Oct-2009 09:18:45

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.035	8.036	-0.001	85968	2.00	
* 2 Naphthalene-d8	136	9.348	9.349	-0.001	145842	2.00	
* 3 Acenaphthene-d10	164	11.132	11.133	-0.001	84147	2.00	
* 4 Phenanthrene-d10	188	12.618	12.619	-0.001	140406	2.00	
* 5 Chrysene-d12	240	15.378	15.379	-0.001	113697	2.00	
* 6 Perylene-d12	264	17.018	17.014	0.004	73647	2.00	
$ 7 2-Fluorophenol	112	6.693	6.685	0.008	159255	6.26	
$ 8 Phenol-d5	99	7.684	7.680	0.004	197518	6.57	
$ 9 Nitrobenzene-d5	82	8.636	8.637	-0.001	91550	4.47	
$ 10 2-Fluorobiphenyl	172	10.425	10.426	-0.001	194334	3.99	
$ 11 2,4,6-Tribromophenol	330	11.940	11.936	0.004	47162	8.59	
$ 12 Terphenyl-d14	244	14.200	14.201	-0.001	162853	3.98	
14 1,4-Dioxane	88	4.058	3.949	0.109	41111	4.11	
16 Pyridine	79	4.808	4.747	0.061	126705	5.07	
15 N-Nitrosodimethylamine	74	4.842	4.790	0.052	95446	7.02	
17 Benzaldehyde	105	7.593	7.599	-0.006	131604	8.38	
18 Phenol	94	7.698	7.695	0.003	239374	7.40	
19 Aniline	93	7.742	7.743	-0.001	116405	3.07	
20 Bis(2-chloroethyl)ether	93	7.785	7.786	-0.001	174629	6.62	
21 2-Chlorophenol	128	7.852	7.849	0.003	190357	7.22	
22 1,4-Dichlorobenzene	146	7.997	7.998	-0.002	191173	6.23	
23 1,3-Dichlorobenzene	146	8.049	8.051	-0.002	198772	6.22	
24 Benzyl alcohol	79	8.189	8.190	-0.001	172499	7.87	
25 1,2-Dichlorobenzene	146	8.251	8.253	-0.002	188607	6.47	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.309	8.306	0.003	181144	7.69	
27 2,2'-oxybis[1-chloropropane]	45	8.333	8.334	-0.001	166045	7.03	
28 3 & 4 Methylphenol	108	8.444	8.445	-0.001	197327	8.03	
30 Acetophenone	105	8.468	8.469	-0.001	262882	7.46	
29 N-Nitrosodi-n-propylamine	70	8.477	8.479	-0.002	142886	7.62	
31 Hexachloroethane	117	8.559	8.560	-0.001	72542	6.59	
32 Nitrobenzene	77	8.655	8.657	-0.002	208942	10.0	
33 Isophorone	82	8.872	8.873	-0.001	328843	9.42	
35 2,4-Dimethylphenol	107	8.982	8.979	0.003	214929	11.7	
34 2-Nitrophenol	139	8.977	8.979	-0.002	98810	10.1	
36 Benzoic acid	105	9.050	9.037	0.014	53675	8.15	
37 Bis(2-chloroethoxy)methane	93	9.078	9.080	-0.002	195304	9.29	
39 1,2,4-Trichlorobenzene	180	9.295	9.296	-0.001	163528	9.20	
40 Alpha-Terpineol	59	9.324	9.325	-0.001	129265	10.2	
41 Naphthalene	128	9.367	9.368	-0.001	562510	9.62	
42 4-Chloroaniline	127	9.430	9.431	-0.001	196213	9.24	
38 2,4-Dichlorophenol	162	9.204	9.440	-0.236	164927	12.7	M
43 Hexachlorobutadiene	225	9.521	9.522	-0.001	94561	9.76	
44 Caprolactam	55	9.747	9.739	0.008	58422	11.2	
45 4-Chloro-3-methylphenol	107	9.886	9.883	0.003	190504	12.1	
46 2-Methylnaphthalene	142	10.055	10.056	-0.001	380749	9.93	
47 1-Methylnaphthalene	142	10.170	10.171	-0.001	376378	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	10.261	10.263	-0.002	157675	10.4	
48 Hexachlorocyclopentadiene	237	10.271	10.272	-0.001	50494	7.94	
50 2,4,6-Trichlorophenol	196	10.358	10.359	-0.001	95822	8.79	
51 2,4,5-Trichlorophenol	196	10.396	10.397	-0.001	115604	10.4	
52 1,1'-Biphenyl	154	10.521	10.522	-0.001	482988	9.43	
53 2-Chloronaphthalene	162	10.555	10.590	-0.035	357229	9.57	
54 Phenyl ether	170	10.627	10.628	-0.001	265960	11.0	
55 2-Nitroaniline	65	10.685	10.681	0.004	119517	9.95	
56 Dimethyl phthalate	163	10.853	10.854	-0.001	438652	9.40	
57 2,6-Dinitrotoluene	165	10.949	10.950	-0.001	98026	10.2	
58 Acenaphthylene	152	10.988	10.984	0.004	578437	9.33	
59 3-Nitroaniline	138	11.098	11.099	-0.001	99282	9.81	
61 Acenaphthene	153	11.170	11.167	0.003	427014	10.4	
60 2,4-Dinitrophenol	184	11.194	11.196	-0.002	28764	8.48	
62 4-Nitrophenol	109	11.223	11.220	0.003	61839	10.1	
64 Dibenzofuran	168	11.319	11.321	-0.002	501730	8.85	
63 2,4-Dinitrotoluene	165	11.343	11.340	0.003	132119	9.71	
65 2,3,4,6-Tetrachlorophenol	232	11.478	11.479	-0.001	76499	8.42	
66 Diethyl phthalate	149	11.550	11.547	0.003	469157	9.81	
67 4-Chlorophenyl phenyl ether	204	11.642	11.638	0.004	210825	9.74	
69 Fluorene	166	11.670	11.672	-0.002	507465	11.0	
68 4-Nitroaniline	138	11.723	11.720	0.003	91923	11.3	
70 4,6-Dinitro-2-methylphenol	198	11.747	11.749	-0.002	48748	9.33	
72 N-Nitrosodiphenylamine	169	11.767	11.768	-0.001	272136	7.17	
74 Azobenzene	77	11.800	11.797	0.003	480227	10.0	
73 1,2-Diphenylhydrazine	77	11.800	11.797	0.003	480227	10.0	
13 Benzophenone	105	11.834	11.830	0.004	375218	10.3	
75 4-Bromophenyl phenyl ether	248	12.132	12.133	-0.001	114697	9.80	
77 Atrazine	200	12.300	12.297	0.003	128841	11.8	
76 Hexachlorobenzene	284	12.305	12.306	-0.001	119219	9.67	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.478	12.475	0.003	47757	9.33	
79 Pentachloronitrobenzene	237	12.555	12.552	0.003	55512	11.2	
80 Phenanthrene	178	12.690	12.643	0.047	675521	11.7	
81 Anthracene	178	12.647	12.686	-0.039	690847	10.8	
83 Carbazole	167	12.844	12.840	0.004	535435	10.7	
84 Di-n-butyl phthalate	149	13.156	13.153	0.003	917196	12.5	
87 Fluoranthene	202	13.849	13.850	-0.001	623951	10.7	
86 Benzidine	184	13.959	13.961	-0.002	4386	1.20	
85 Pyrene	202	14.089	14.091	-0.002	703484	10.5	
89 Butyl benzyl phthalate	149	14.700	14.701	-0.001	313311	9.92	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.283	-0.001	448405	11.1	
91 3,3'-Dichlorobenzidine	252	15.315	15.317	-0.002	129311	11.6	
93 Benzo[a]anthracene	228	15.359	15.355	0.004	529506	11.5	
94 Chrysene	228	15.407	15.408	-0.001	482068	10.5	
95 Di-n-octyl phthalate	149	15.926	15.928	-0.002	575648	11.0	
97 Benzo[b]fluoranthene	252	16.542	16.543	-0.001	433129	10.3	
98 Benzo[k]fluoranthene	252	16.571	16.567	0.004	428721	11.5	
99 Benzo[a]pyrene	252	16.946	16.947	-0.001	342215	12.7	
101 Dibenz(a,h)anthracene	278	18.547	18.544	0.003	235749	12.7	
100 Indeno[1,2,3-cd]pyrene	276	18.557	18.553	0.004	295918	15.4	
102 Benzo[g,h,i]perylene	276	19.023	19.020	0.003	246197	13.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Oct-2009 09:18:46 Chrom Revision: 1.1 30-Sep-2009 22:09:04

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03194.D

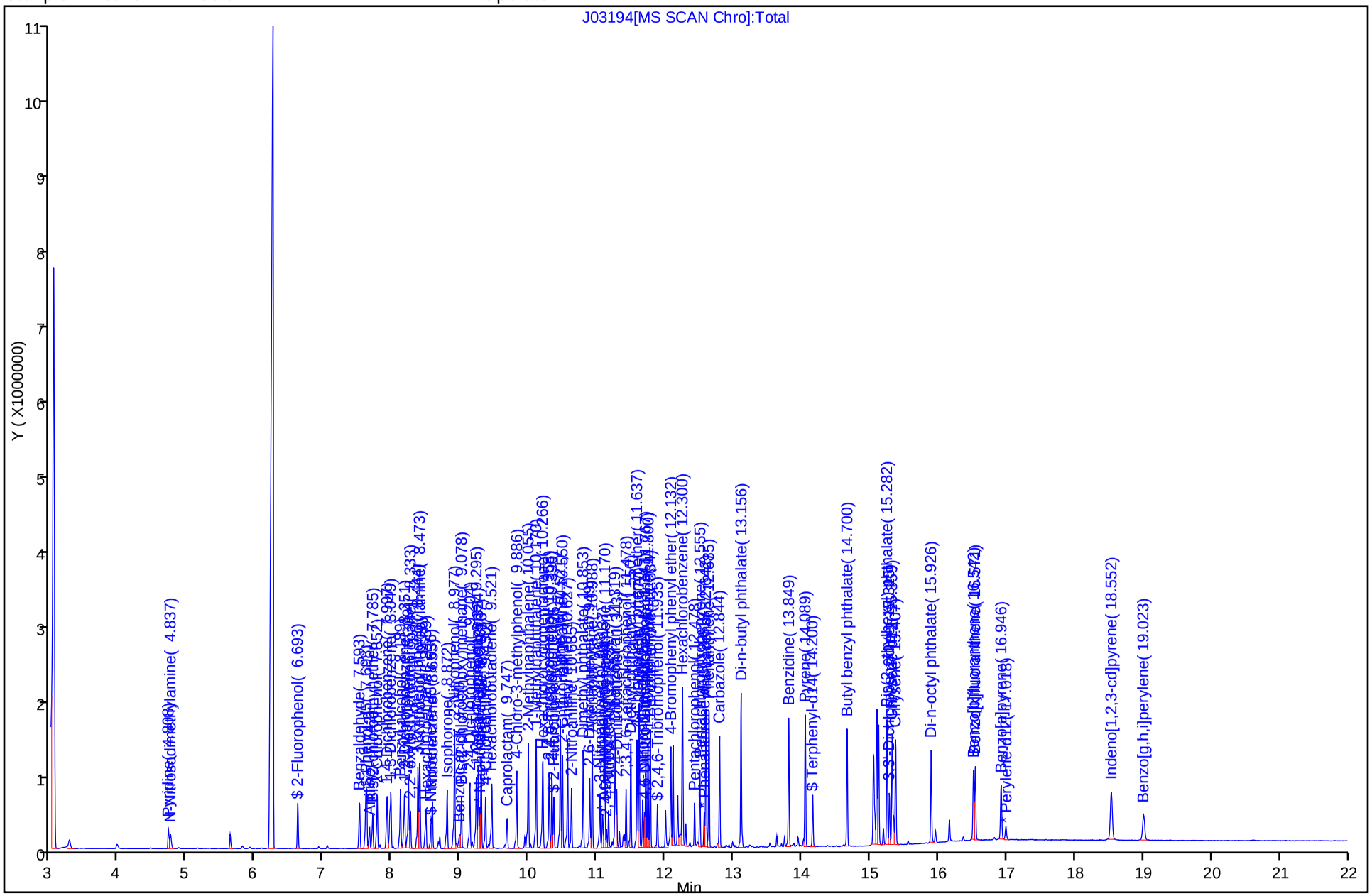
Inj Date: 28-Sep-2009 20:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: lcs 360-49246/2-a

Sample Amount: 1.00 ul Operator:



FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49302/2-A

Matrix: Solid | Lab File ID: J03154.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3550B | Date Extracted: 09/22/2009 11:55

Sample wt/vol: 100.00(g) | Date Analyzed: 09/26/2009 14:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49520 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	63.7		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	77	30-130	
321-60-8	2-Fluorobiphenyl	66	30-130	
367-12-4	2-Fluorophenol	54	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	58	30-130	
1718-51-0	Terphenyl-d14	69	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03154.D		
Lims ID:	LCS 360-49302/2-A	Client ID:	
Inject. Date:	26-Sep-2009 14:09:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49302/2A		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49520	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	27-Sep-2009 10:44:51

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.238	8.239	-0.001	121203	2.00	
* 2 Naphthalene-d8	136	9.550	9.552	-0.002	231740	2.00	
* 3 Acenaphthene-d10	164	11.344	11.345	-0.001	125503	2.00	
* 4 Phenanthrene-d10	188	12.835	12.836	-0.001	217829	2.00	
* 5 Chrysene-d12	240	15.619	15.620	-0.001	177531	2.00	
* 6 Perylene-d12	264	17.341	17.337	0.004	146996	2.00	s
$ 7 2-Fluorophenol	112	6.896	6.892	0.004	204365	5.38	
$ 8 Phenol-d5	99	7.877	7.873	0.004	270930	5.81	
$ 9 Nitrobenzene-d5	82	8.839	8.840	-0.001	119819	3.33	
$ 10 2-Fluorobiphenyl	172	10.628	10.629	-0.001	274373	3.29	
$ 11 2,4,6-Tribromophenol	330	12.147	12.148	-0.001	71640	7.69	
$ 12 Terphenyl-d14	244	14.417	14.418	-0.001	252802	3.43	
15 N-Nitrosodimethylamine	74	5.093	5.084	0.009	135906	6.37	
18 Phenol	94	7.891	7.888	0.003	341446	6.87	
19 Aniline	93	7.944	7.945	-0.001	127821	2.21	
20 Bis(2-chloroethyl)ether	93	7.988	7.984	0.004	249098	6.00	
21 2-Chlorophenol	128	8.055	8.056	-0.001	265260	6.68	
22 1,4-Dichlorobenzene	146	8.204	8.205	-0.001	270815	5.77	
23 1,3-Dichlorobenzene	146	8.257	8.258	-0.001	276489	5.70	
24 Benzyl alcohol	79	8.387	8.383	0.004	254437	7.91	
25 1,2-Dichlorobenzene	146	8.454	8.455	-0.001	265065	5.80	
26 2-Methylphenol	108	8.497	8.498	-0.001	261949	7.31	
27 2,2'-oxybis[1-chloropropane]	45	8.531	8.527	0.004	240750	6.02	
28 3 & 4 Methylphenol	108	8.637	8.638	-0.001	281604	7.57	
30 Acetophenone	105	8.670	8.667	0.003	381385	7.27	
29 N-Nitrosodi-n-propylamine	70	8.675	8.672	0.003	208349	7.74	
31 Hexachloroethane	117	8.767	8.768	-0.001	100435	6.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.858	8.859	-0.001	286577	7.84	
33 Isophorone	82	9.069	9.071	-0.002	492106	8.07	
35 2,4-Dimethylphenol	107	9.175	9.172	0.003	313125	9.81	
34 2-Nitrophenol	139	9.180	9.181	-0.001	135281	7.18	
36 Benzoic acid	105	9.228	9.225	0.003	35386	6.16	
37 Bis(2-chloroethoxy)methane	93	9.276	9.273	0.003	331329	8.38	
39 1,2,4-Trichlorobenzene	180	9.497	9.499	-0.002	231519	7.28	
40 Alpha-Terpineol	59	9.522	9.523	-0.001	199172	8.83	
41 Naphthalene	128	9.574	9.571	0.003	806473	7.67	
42 4-Chloroaniline	127	9.632	9.633	-0.001	265152	6.83	
38 2,4-Dichlorophenol	162	9.637	9.638	-0.001	907	0.0363	
43 Hexachlorobutadiene	225	9.723	9.725	-0.002	130554	7.77	
45 4-Chloro-3-methylphenol	107	10.079	10.081	-0.002	280472	10.5	
46 2-Methylnaphthalene	142	10.262	10.258	0.004	556029	8.43	
49 1,2,4,5-Tetrachlorobenzene	216	10.469	10.470	-0.001	227881	8.98	
48 Hexachlorocyclopentadiene	237	10.474	10.475	-0.001	35985	3.18	
50 2,4,6-Trichlorophenol	196	10.560	10.561	-0.001	174022	9.57	
51 2,4,5-Trichlorophenol	196	10.599	10.600	-0.001	186111	9.97	
53 2-Chloronaphthalene	162	10.762	10.802	-0.040	525402	6.74	
55 2-Nitroaniline	65	10.887	10.888	-0.001	160519	8.01	
56 Dimethyl phthalate	163	11.056	11.052	0.004	676396	8.93	
57 2,6-Dinitrotoluene	165	11.152	11.153	-0.001	149597	8.44	
58 Acenaphthylene	152	11.195	11.196	-0.001	855450	8.43	
59 3-Nitroaniline	138	11.306	11.302	0.004	127420	6.93	
61 Acenaphthene	153	11.378	11.379	-0.001	625005	9.13	
60 2,4-Dinitrophenol	184	11.459	11.398	0.061	353	0.8289	
62 4-Nitrophenol	109	11.421	11.422	-0.001	83161	8.74	
64 Dibenzofuran	168	11.532	11.533	-0.001	778107	8.28	
63 2,4-Dinitrotoluene	165	11.546	11.547	-0.001	184008	8.24	
75 4-Bromophenyl phenyl ether	248	11.556	11.552	0.004	210	0.0104	
66 Diethyl phthalate	149	11.748	11.744	0.004	715419	9.38	
67 4-Chlorophenyl phenyl ether	204	11.849	11.845	0.004	316021	8.80	
69 Fluorene	166	11.883	11.879	0.004	756109	10.2	
68 4-Nitroaniline	138	11.931	11.927	0.004	107967	7.15	
70 4,6-Dinitro-2-methylphenol	198	11.955	11.951	0.004	59289	10.4	
72 N-Nitrosodiphenylamine	169	11.974	11.970	0.004	415354	6.12	
74 Azobenzene	77	12.008	12.004	0.004	721568	8.88	
73 1,2-Diphenylhydrazine	77	12.008	12.004	0.004	721568	8.88	
76 Hexachlorobenzene	284	12.517	12.519	-0.002	180821	8.75	
78 Pentachlorophenol	266	12.691	12.687	0.003	86375	9.85	
79 Pentachloronitrobenzene	237	12.767	12.764	0.003	79319	9.77	
81 Anthracene	178	12.859	12.860	-0.001	1018240	10.1	
80 Phenanthrene	178	12.902	12.903	-0.001	1011487	8.99	
83 Carbazole	167	13.056	13.052	0.004	778415	8.74	
84 Di-n-butyl phthalate	149	13.354	13.355	-0.001	2005660	15.3	
87 Fluoranthene	202	14.075	14.072	0.003	971851	9.31	
85 Pyrene	202	14.075	14.072	0.003	971851	8.51	
86 Benzidine	184	14.162	14.178	-0.016	313	0.3965	
89 Butyl benzyl phthalate	149	14.922	14.918	0.004	559585	9.00	
92 Bis(2-ethylhexyl) phthalate	149	15.499	15.500	-0.001	873686	11.1	
91 3,3'-Dichlorobenzidine	252	15.557	15.548	0.009	186527	8.84	
93 Benzo[a]anthracene	228	15.600	15.596	0.004	856844	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	15.648	15.649	-0.001	786824	9.97	
95 Di-n-octyl phthalate	149	16.143	16.144	-0.001	1297583	7.53	
98 Benzo[k]fluoranthene	252	16.831	16.827	0.004	956955	10.0	
97 Benzo[b]fluoranthene	252	16.855	16.851	0.004	639018	6.31	
99 Benzo[a]pyrene	252	17.264	17.265	-0.001	636230	9.25	
101 Dibenz(a,h)anthracene	278	19.009	19.006	0.003	490870	12.4	
100 Indeno[1,2,3-cd]pyrene	276	19.019	19.015	0.004	618096	11.7	
102 Benzo[g,h,i]perylene	276	19.533	19.530	0.003	523136	11.7	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 27-Sep-2009 10:44:52 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03154.D

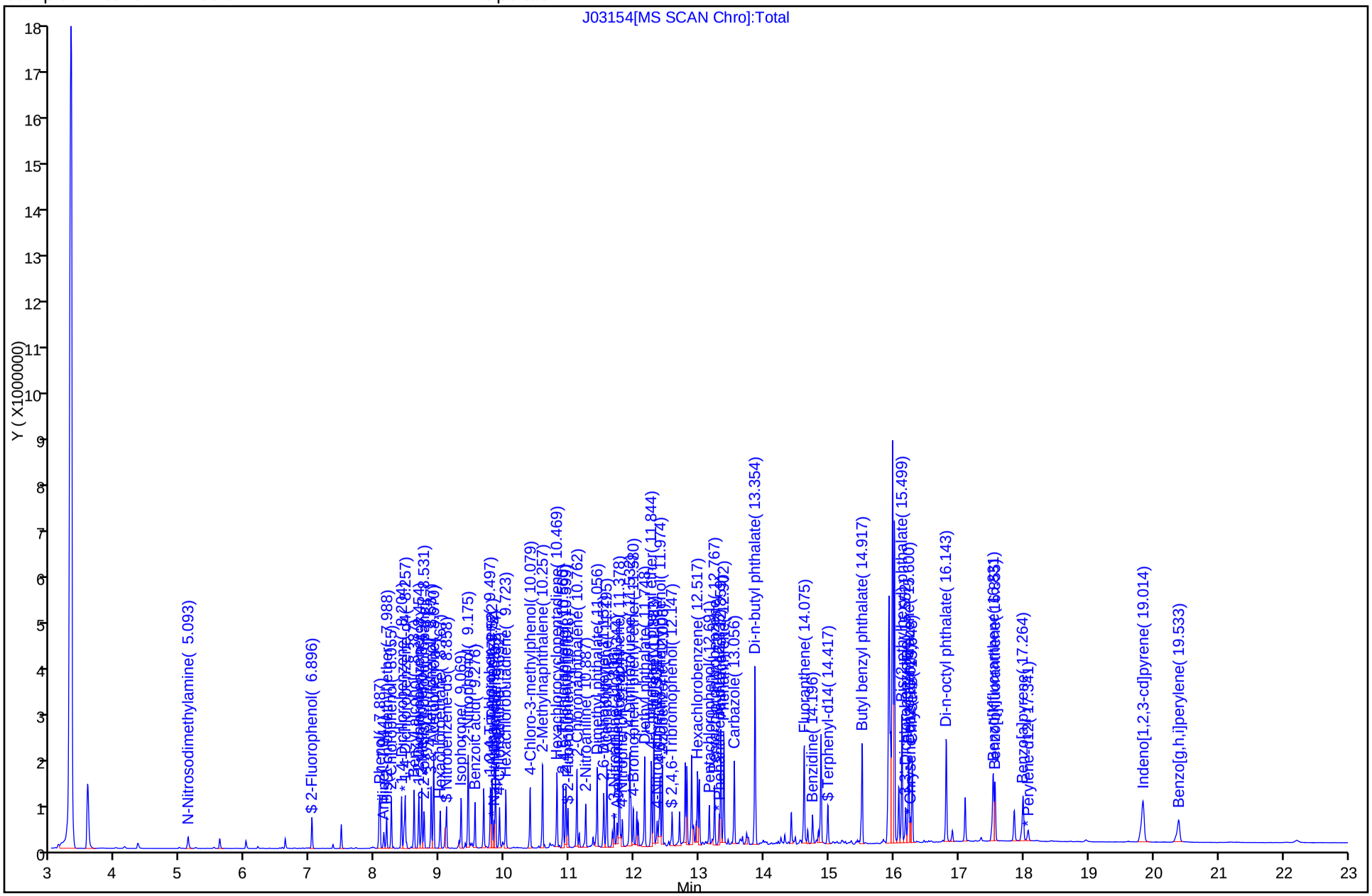
Inj Date: 26-Sep-2009 14:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: LCS 360-49302/2A

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49345/2-A

Matrix: Solid | Lab File ID: B10632.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 22:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	282		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	245		33	10
120-82-1	1,2,4-Trichlorobenzene	222		33	10
95-50-1	1,2-Dichlorobenzene	211		33	10
541-73-1	1,3-Dichlorobenzene	202		33	10
106-46-7	1,4-Dichlorobenzene	199		33	10
90-12-0	1-Methylnaphthalene	241		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	279		33	10
105-67-9	2,4-Dimethylphenol	281		33	13
95-57-8	2-Chlorophenol	225		33	10
120-83-2	2,4-Dichlorophenol	275		33	10
88-06-2	2,4,6-Trichlorophenol	320		33	10
95-48-7	2-Methylphenol	250		33	20
95-95-4	2,4,5-Trichlorophenol	303		33	10
91-57-6	2-Methylnaphthalene	242		33	10
15831-10-4	3 & 4 Methylphenol	264		33	10
88-74-4	2-Nitroaniline	350		170	10
91-94-1	3,3'-Dichlorobenzidine	295		67	10
91-58-7	2-Chloronaphthalene	214		33	10
606-20-2	2,6-Dinitrotoluene	288		33	10
59-50-7	4-Chloro-3-methylphenol	280		67	10
88-75-5	2-Nitrophenol	260		33	10
106-47-8	4-Chloroaniline	207		67	10
99-09-2	3-Nitroaniline	307		170	10
51-28-5	2,4-Dinitrophenol	247		33	10
121-14-2	2,4-Dinitrotoluene	275		33	10
83-32-9	Acenaphthene	313		33	10
208-96-8	Acenaphthylene	260		33	10
100-02-7	4-Nitrophenol	322		170	10
62-53-3	Aniline	108		33	10
100-01-6	4-Nitroaniline	279		170	10
103-33-3	Azobenzene	291		33	10
101-55-3	4-Bromophenyl phenyl ether	288		33	10
7005-72-3	4-Chlorophenyl phenyl ether	281		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCS 360-49345/2-A

Matrix: Solid | Lab File ID: B10632.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 22:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	279		170	10
65-85-0	Benzoic acid	219		170	15
120-12-7	Anthracene	337		33	10
100-51-6	Benzyl alcohol	247		67	28
111-91-1	Bis(2-chloroethoxy)methane	243		33	10
111-44-4	Bis(2-chloroethyl)ether	212		33	10
85-68-7	Butyl benzyl phthalate	290		33	10
56-55-3	Benzo[a]anthracene	345		33	10
105-60-2	Caprolactam	253		33	10
218-01-9	Chrysene	321		33	10
205-99-2	Benzo[b]fluoranthene	321		33	10
207-08-9	Benzo[k]fluoranthene	366		33	10
50-32-8	Benzo[a]pyrene	337		33	10
132-64-9	Dibenzofuran	273		33	10
53-70-3	Dibenz(a,h)anthracene	362		33	10
84-66-2	Diethyl phthalate	290		33	10
191-24-2	Benzo[g,h,i]perylene	365		33	10
131-11-3	Dimethyl phthalate	284		33	10
98-86-2	Acetophenone	250		33	10
84-74-2	Di-n-butyl phthalate	344		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	264		33	10
117-84-0	Di-n-octyl phthalate	267		33	17
206-44-0	Fluoranthene	324		33	10
86-73-7	Fluorene	333		33	10
118-74-1	Hexachlorobenzene	292		33	10
87-68-3	Hexachlorobutadiene	223		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	223		33	10
77-47-4	Hexachlorocyclopentadiene	200		67	10
67-72-1	Hexachloroethane	210		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	409		33	10
78-59-1	Isophorone	210		33	10
91-20-3	Naphthalene	241		80	10
98-95-3	Nitrobenzene	237		33	10
1912-24-9	Atrazine	364		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 360-49345/2-A
Matrix: Solid
Lab File ID: B10632.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/23/2009 11:39
Sample wt/vol: 30.00(g)
Date Analyzed: 09/29/2009 22:16
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	296		33	10
62-75-9	N-Nitrosodimethylamine	242		33	12
86-74-8	Carbazole	328		33	10
621-64-7	N-Nitrosodi-n-propylamine	254		33	10
119-61-9	Benzophenone	306		33	10
86-30-6	N-Nitrosodiphenylamine	212		33	10
101-84-8	Diphenyl oxide	255		33	10
87-86-5	Pentachlorophenol	282		33	10
85-01-8	Phenanthrene	319		40	10
108-95-2	Phenol	238		33	10
129-00-0	Pyrene	293		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	30-130	
321-60-8	2-Fluorobiphenyl	73	30-130	
367-12-4	2-Fluorophenol	72	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	68	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10632.D		
Lims ID:	LCS 360-49345/2-A	Client ID:	
Inject. Date:	29-Sep-2009 22:16:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-49345/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49685	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	08-Oct-2009 08:00:46	Calib Date:	29-Sep-2009 20:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 14:13:12
Reviewed By:	sullivanp	Date:	12-Oct-2009 13:32:16

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.921	6.920	0.001	663353	2.00	
* 2 Naphthalene-d8	136	8.056	8.055	0.001	1421342	2.00	
* 3 Acenaphthene-d10	164	9.542	9.541	0.001	645453	2.00	
* 4 Phenanthrene-d10	188	10.788	10.787	0.001	1070289	2.00	
* 5 Chrysene-d12	240	13.394	13.383	0.011	841171	2.00	
* 6 Perylene-d12	264	15.938	15.937	0.001	513525	2.00	
$ 7 2-Fluorophenol	112	5.618	5.569	0.049	1141208	7.21	
$ 8 Phenol-d5	99	6.594	6.574	0.020	1347062	6.55	
$ 9 Nitrobenzene-d5	82	7.426	7.425	0.001	656388	3.33	
$ 10 2-Fluorobiphenyl	172	8.965	8.964	0.001	1347640	3.66	
$ 11 2,4,6-Tribromophenol	330	10.206	10.200	0.006	282715	7.47	
$ 12 Terphenyl-d14	244	12.115	12.114	0.001	1087534	3.41	
16 Pyridine	79	3.348	3.129	0.219	745356	6.40	M
15 N-Nitrosodimethylamine	42	3.305	3.145	0.160	906744	7.25	M
17 Benzaldehyde	105	6.508	6.512	-0.004	942514	8.88	
18 Phenol	94	6.604	6.589	0.015	1600081	7.13	
19 Aniline	93	6.614	6.613	0.001	806160	3.23	
20 Bis(2-chloroethyl)ether	93	6.681	6.680	0.001	1046351	6.35	
21 2-Chlorophenol	128	6.734	6.723	0.011	1272748	6.76	
22 1,4-Dichlorobenzene	146	6.868	6.867	0.001	1353555	5.97	
23 1,3-Dichlorobenzene	146	6.941	6.940	0.001	1412572	6.05	
24 Benzyl alcohol	79	7.056	7.050	0.006	1158364	7.40	
25 1,2-Dichlorobenzene	146	7.080	7.079	0.001	1366314	6.32	
26 2-Methylphenol	108	7.157	7.146	0.011	1223687	7.51	
27 2,2'-oxybis[1-chloropropane]	45	7.176	7.175	0.001	2072861	6.70	
28 3 & 4 Methylphenol	108	7.292	7.286	0.006	1415824	7.92	
30 Acetophenone	105	7.292	7.291	0.001	1926215	7.51	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.292	7.291	0.001	1002171	7.62	
31 Hexachloroethane	117	7.383	7.382	0.001	555856	6.29	
32 Nitrobenzene	77	7.445	7.445	0.001	1395881	7.12	
33 Isophorone	82	7.652	7.651	0.001	1981444	6.30	
34 2-Nitrophenol	139	7.724	7.723	0.001	723588	7.80	
35 2,4-Dimethylphenol	107	7.753	7.747	0.006	1443613	8.42	
36 Benzoic acid	105	7.849	7.823	0.026	622281	6.58	
37 Bis(2-chloroethoxy)methane	93	7.835	7.834	0.001	1355756	7.30	
38 2,4-Dichlorophenol	162	7.931	7.925	0.006	1175954	8.24	
39 1,2,4-Trichlorobenzene	180	8.003	8.002	0.001	1111465	6.65	
40 Alpha-Terpineol	59	8.075	8.070	0.005	1234334	7.40	
41 Naphthalene	128	8.075	8.074	0.001	3874076	7.24	
42 4-Chloroaniline	127	8.119	8.113	0.006	1258999	6.21	
43 Hexachlorobutadiene	225	8.176	8.175	0.001	590424	6.70	
44 Caprolactam	55	8.422	8.392	0.030	599879	7.58	
45 4-Chloro-3-methylphenol	107	8.523	8.512	0.011	1274346	8.41	
46 2-Methylnaphthalene	142	8.662	8.661	0.001	2630364	7.26	
47 1-Methylnaphthalene	142	8.749	8.748	0.001	2579047	7.22	
48 Hexachlorocyclopentadiene	237	8.797	8.796	0.001	391689	5.99	
49 1,2,4,5-Tetrachlorobenzene	216	8.806	8.805	0.001	1087547	7.36	
50 2,4,6-Trichlorophenol	196	8.898	8.897	0.001	854469	9.60	
51 2,4,5-Trichlorophenol	196	8.931	8.926	0.005	840321	9.08	
52 1,1'-Biphenyl	154	9.052	9.051	0.001	3339288	8.47	
53 2-Chloronaphthalene	162	9.076	9.075	0.001	2476952	6.43	
54 Phenyl ether	170	9.138	9.137	0.001	1725400	7.64	
68 4-Nitroaniline	138	9.157	9.152	0.005	967508	8.38	
56 Dimethyl phthalate	163	9.297	9.296	0.001	3057408	8.53	
57 2,6-Dinitrotoluene	165	9.355	9.349	0.006	689708	8.65	
58 Acenaphthylene	152	9.427	9.426	0.001	3782960	7.80	
59 3-Nitroaniline	138	9.499	9.493	0.006	679443	9.20	
61 Acenaphthene	153	9.571	9.570	0.001	3123376	9.39	
60 2,4-Dinitrophenol	184	9.585	9.580	0.005	275075	7.41	
62 4-Nitrophenol	109	9.624	9.613	0.011	514307	9.66	
63 2,4-Dinitrotoluene	165	9.696	9.690	0.006	918634	8.25	
64 Dibenzofuran	168	9.715	9.714	0.001	3541335	8.20	
65 2,3,4,6-Tetrachlorophenol	232	9.816	9.810	0.006	602592	8.36	
66 Diethyl phthalate	149	9.884	9.878	0.006	3341745	8.69	
67 4-Chlorophenyl phenyl ether	204	9.989	9.988	0.001	1401109	8.42	
69 Fluorene	166	10.004	9.998	0.006	3686411	9.98	
55 2-Nitroaniline	65	10.013	10.003	0.010	881817	10.5	
70 4,6-Dinitro-2-methylphenol	198	10.037	10.032	0.005	429847	8.38	
72 N-Nitrosodiphenylamine	169	10.090	10.085	0.005	1914990	6.37	
73 1,2-Diphenylhydrazine	77	10.124	10.126	-0.002	5124449	8.72	
74 Azobenzene	77	10.124	10.126	-0.002	5124449	8.72	
13 Benzophenone	105	10.138	10.133	0.005	3119245	9.18	
75 4-Bromophenyl phenyl ether	248	10.403	10.397	0.006	734460	8.65	
76 Hexachlorobenzene	284	10.470	10.464	0.006	715166	8.75	
77 Atrazine	200	10.523	10.517	0.006	915118	10.9	
78 Pentachlorophenol	266	10.629	10.632	-0.003	425023	8.47	
79 Pentachloronitrobenzene	237	10.638	10.638	0.000	412021	8.80	
80 Phenanthrene	178	10.812	10.806	0.006	4564017	9.56	
81 Anthracene	178	10.855	10.849	0.006	4557905	10.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	10.980	10.974	0.006	3588140	9.85	
84 Di-n-butyl phthalate	149	11.240	11.239	0.001	5925861	10.3	
87 Fluoranthene	202	11.807	11.801	0.006	4114496	9.73	
86 Benzidine	184	11.903	11.906	-0.003	13363	0.8566	
85 Pyrene	202	12.004	11.998	0.006	4672331	8.80	
89 Butyl benzyl phthalate	149	12.600	12.595	0.005	2353449	8.71	
91 3,3'-Dichlorobenzidine	252	13.327	13.311	0.016	756810	8.84	
92 Bis(2-ethylhexyl) phthalate	149	13.365	13.359	0.006	3586355	7.93	
93 Benzo[a]anthracene	228	13.380	13.369	0.011	3611518	10.4	
94 Chrysene	228	13.437	13.427	0.010	3057207	9.63	
95 Di-n-octyl phthalate	149	14.635	14.629	0.006	4793226	8.02	
97 Benzo[b]fluoranthene	252	15.404	15.393	0.011	2544169	9.64	
98 Benzo[k]fluoranthene	252	15.447	15.437	0.010	2479591	11.0	
99 Benzo[a]pyrene	252	15.870	15.865	0.005	2069837	10.1	
100 Indeno[1,2,3-cd]pyrene	276	17.477	17.466	0.011	1481171	12.3	
101 Dibenz(a,h)anthracene	278	17.505	17.500	0.005	1158349	10.8	
102 Benzo[g,h,i]perylene	276	17.919	17.908	0.011	1215446	11.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 12-Oct-2009 13:32:18 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10632.D

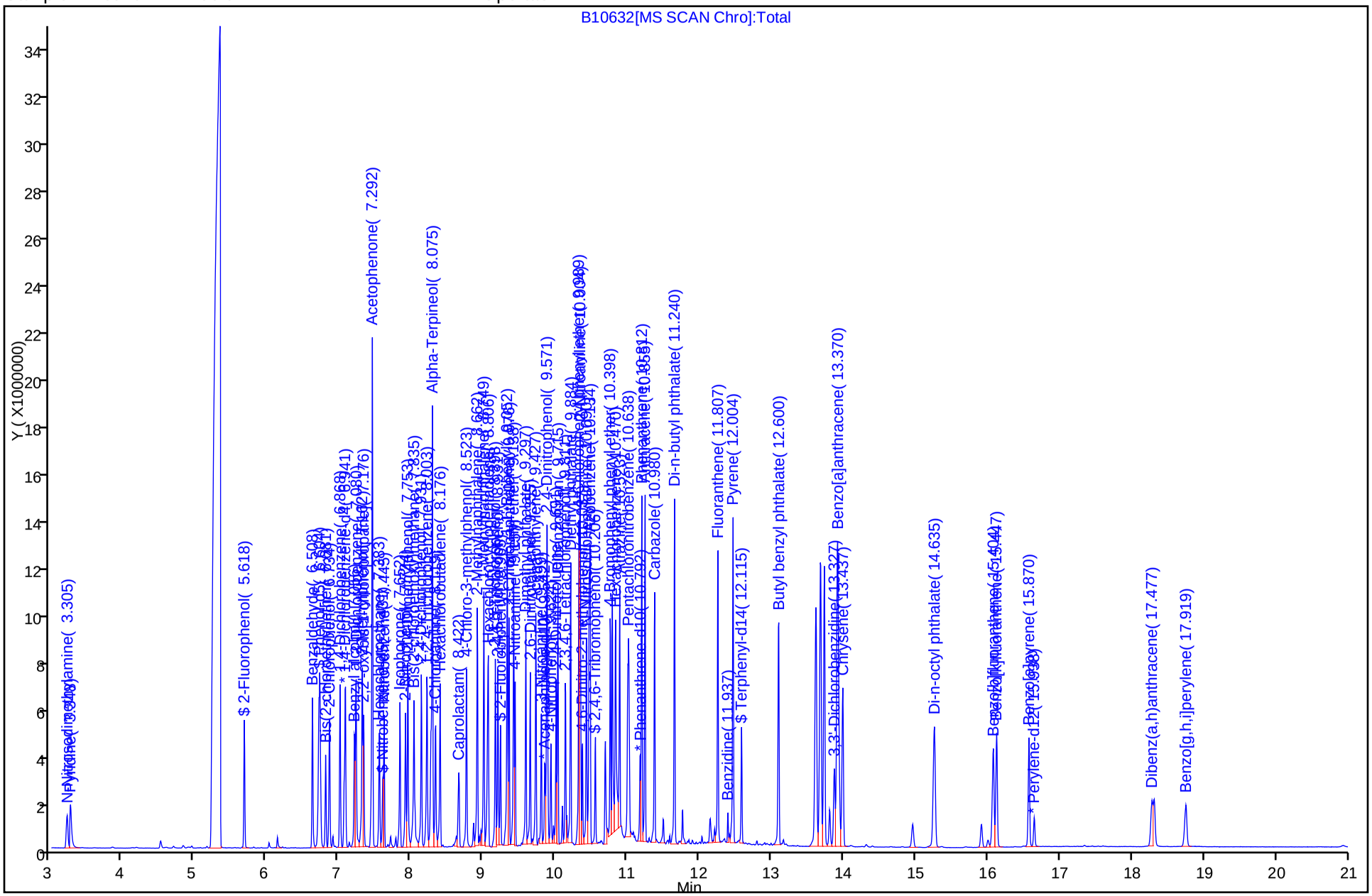
Inj Date: 29-Sep-2009 22:16:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: lcs 360-49345/2-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-48980/3-A

Matrix: Water | Lab File ID: B10560.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 23:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	9.61		5.0	0.50
95-94-3	1,2,4,5-Tetrachlorobenzene	6.32		5.0	0.50
90-12-0	1-Methylnaphthalene	7.33		5.0	0.050
58-90-2	2,3,4,6-Tetrachlorophenol	7.19		5.0	0.50
105-67-9	2,4-Dimethylphenol	6.61		5.0	0.50
95-57-8	2-Chlorophenol	5.46		5.0	0.50
120-83-2	2,4-Dichlorophenol	7.74		5.0	0.50
88-06-2	2,4,6-Trichlorophenol	9.01		5.0	0.50
95-48-7	2-Methylphenol	4.36	J	5.0	0.50
95-95-4	2,4,5-Trichlorophenol	8.33		5.0	0.50
91-57-6	2-Methylnaphthalene	6.14		1.0	0.050
15831-10-4	3 & 4 Methylphenol	3.73	J	5.0	0.50
88-74-4	2-Nitroaniline	9.24		5.0	0.50
91-94-1	3,3'-Dichlorobenzidine	9.04		5.0	0.50
91-58-7	2-Chloronaphthalene	6.47		5.0	0.50
606-20-2	2,6-Dinitrotoluene	8.78		5.0	0.50
59-50-7	4-Chloro-3-methylphenol	7.18		5.0	0.50
88-75-5	2-Nitrophenol	8.10		5.0	0.50
106-47-8	4-Chloroaniline	6.17		5.0	0.50
99-09-2	3-Nitroaniline	8.18		5.0	0.50
51-28-5	2,4-Dinitrophenol	8.77		5.0	0.50
121-14-2	2,4-Dinitrotoluene	8.06		5.0	0.50
83-32-9	Acenaphthene	9.66		1.0	0.050
208-96-8	Acenaphthylene	8.35		0.30	0.050
100-02-7	4-Nitrophenol	1.80	J	5.0	0.50
62-53-3	Aniline	2.17	J	5.0	0.50
100-01-6	4-Nitroaniline	8.72		5.0	0.50
103-33-3	Azobenzene	9.45		5.0	0.50
101-55-3	4-Bromophenyl phenyl ether	8.75		5.0	0.50
7005-72-3	4-Chlorophenyl phenyl ether	8.69		5.0	0.50
534-52-1	4,6-Dinitro-2-methylphenol	8.84		5.0	0.50
65-85-0	Benzoic acid	2.17	J	5.0	0.50
120-12-7	Anthracene	10.8		1.0	0.070
100-51-6	Benzyl alcohol	4.90	J	10	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-48980/3-A

Matrix: Water | Lab File ID: B10560.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/15/2009 14:56

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 23:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49511 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	6.88		5.0	0.50
111-44-4	Bis(2-chloroethyl)ether	6.64		5.0	0.50
85-68-7	Butyl benzyl phthalate	10.1		5.0	0.50
56-55-3	Benzo[a]anthracene	10.8		0.30	0.17
105-60-2	Caprolactam	1.21	J	5.0	0.50
218-01-9	Chrysene	10.6		1.0	0.17
205-99-2	Benzo[b]fluoranthene	10.1		0.30	0.14
207-08-9	Benzo[k]fluoranthene	10.8		0.30	0.17
50-32-8	Benzo[a]pyrene	10.2		0.20	0.10
132-64-9	Dibenzofuran	8.31		5.0	0.50
53-70-3	Dibenz(a,h)anthracene	10.0		0.50	0.064
84-66-2	Diethyl phthalate	9.33		5.0	0.50
191-24-2	Benzo[g,h,i]perylene	10.3		0.50	0.094
131-11-3	Dimethyl phthalate	9.03		5.0	0.50
98-86-2	Acetophenone	7.75		5.0	0.50
84-74-2	Di-n-butyl phthalate	10.1		5.0	0.60
117-81-7	Bis(2-ethylhexyl) phthalate	12.1		2.0	0.50
117-84-0	Di-n-octyl phthalate	8.17		5.0	0.73
206-44-0	Fluoranthene	10.0		1.0	0.20
86-73-7	Fluorene	10.5		1.0	0.050
118-74-1	Hexachlorobenzene	9.01		1.0	0.50
108-60-1	bis (2-chloroisopropyl) ether	6.82		5.0	0.50
77-47-4	Hexachlorocyclopentadiene	5.74		5.0	0.50
67-72-1	Hexachloroethane	5.79		3.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	10.2		0.50	0.079
78-59-1	Isophorone	6.46		5.0	0.50
98-95-3	Nitrobenzene	6.76		5.0	0.50
1912-24-9	Atrazine	11.9		5.0	0.50
100-52-7	Benzaldehyde	9.73		5.0	0.50
86-74-8	Carbazole	10.1		5.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	7.62		5.0	0.50
119-61-9	Benzophenone	10.4		5.0	0.50
86-30-6	N-Nitrosodiphenylamine	6.63		5.0	0.50
101-84-8	Diphenyl oxide	7.81		5.0	0.50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 360-48980/3-A
Matrix: Water
Lab File ID: B10560.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3510C
Date Extracted: 09/15/2009 14:56
Sample wt/vol: 1000(mL)
Date Analyzed: 09/25/2009 23:51
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49511
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	9.00		1.0	0.50
85-01-8	Phenanthrene	9.83		0.20	0.085
108-95-2	Phenol	1.37	J	5.0	0.50
129-00-0	Pyrene	9.64		5.0	0.19

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	15-110	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	22	15-110	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	12	15-110	X
1718-51-0	Terphenyl-d14	76	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10560.D		
Lims ID:	LCSD 360-48980/3-A	Client ID:	
Inject. Date:	25-Sep-2009 23:51:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48980/3-a		
Misc. Info.:	360-0001300-016		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49511	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:31:21
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:18:15

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.253	7.254	-0.001	465155	2.00	
* 2 Naphthalene-d8	136	8.388	8.389	-0.001	1180461	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	387971	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	640513	2.00	
* 5 Chrysene-d12	240	14.048	14.044	0.004	527464	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	377379	2.00	
$ 7 2-Fluorophenol	112	5.950	5.941	0.009	267019	2.21	
$ 8 Phenol-d5	99	6.897	6.898	-0.001	184089	1.20	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	488100	3.06	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	959480	3.74	
$ 11 2,4,6-Tribromophenol	330	10.542	10.543	-0.001	194308	7.93	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	778222	3.81	
14 1,4-Dioxane	88	3.166	3.137	0.029	94998	2.46	
15 N-Nitrosodimethylamine	42	3.825	3.806	0.019	246914	2.76	
16 Pyridine	79	3.858	3.820	0.038	128953	1.25	
17 Benzaldehyde	105	6.849	6.850	-0.001	821479	9.73	
18 Phenol	94	6.912	6.908	0.004	221442	1.37	
19 Aniline	93	6.950	6.946	0.004	406695	2.17	
20 Bis(2-chloroethyl)ether	93	7.003	7.004	-0.001	838812	6.64	
21 2-Chlorophenol	128	7.061	7.057	0.004	764319	5.46	
22 1,4-Dichlorobenzene	146	7.205	7.201	0.004	952667	5.61	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1003515	5.66	
24 Benzyl alcohol	79	7.373	7.374	-0.001	547218	4.90	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	929959	5.60	
26 2-Methylphenol	108	7.470	7.465	0.005	529326	4.36	
27 2,2'-oxybis[1-chloropropane]	45	7.499	7.494	0.004	1603605	6.82	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.599	7.600	-0.001	476271	3.73	
29 N-Nitrosodi-n-propylamine	70	7.614	7.610	0.004	728416	7.62	
30 Acetophenone	105	7.619	7.614	0.005	1448650	7.75	
31 Hexachloroethane	117	7.715	7.715	0.000	361159	5.79	
32 Nitrobenzene	77	7.773	7.773	0.000	1057897	6.76	
33 Isophorone	82	7.975	7.975	0.000	1580820	6.46	
34 2-Nitrophenol	139	8.052	8.052	0.000	539671	8.10	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	913963	6.61	
36 Benzoic acid	105	8.109	8.119	-0.010	59161	2.17	
37 Bis(2-chloroethoxy)methane	93	8.148	8.148	0.000	1050664	6.88	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	809791	7.74	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.004	743086	6.25	
40 Alpha-Terpineol	59	8.393	8.393	0.000	846160	6.97	
41 Naphthalene	128	8.407	8.408	-0.001	2658653	6.08	
42 4-Chloroaniline	127	8.441	8.442	-0.001	1036949	6.17	
43 Hexachlorobutadiene	225	8.504	8.504	0.000	388623	5.49	
44 Caprolactam	55	8.730	8.725	0.005	62556	1.21	
45 4-Chloro-3-methylphenol	107	8.831	8.831	0.000	759436	7.18	
46 2-Methylnaphthalene	142	8.994	8.995	-0.001	1772103	6.14	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	2054559	7.33	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	264040	5.74	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	723081	6.32	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	565718	9.01	
51 2,4,5-Trichlorophenol	196	9.254	9.254	0.000	588087	8.33	
52 1,1'-Biphenyl	154	9.384	9.379	0.005	2602168	9.61	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	1663939	6.47	
54 Phenyl ether	170	9.465	9.466	-0.001	1423112	7.81	
68 4-Nitroaniline	138	9.485	9.485	0.000	687959	8.72	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	2118068	9.03	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	496848	8.78	
58 Acenaphthylene	152	9.763	9.764	-0.001	2716640	8.35	
59 3-Nitroaniline	138	9.826	9.826	0.000	469032	8.18	
61 Acenaphthene	153	9.908	9.908	0.000	2179187	9.66	
60 2,4-Dinitrophenol	184	9.913	9.913	0.000	212090	8.77	
62 4-Nitrophenol	109	9.937	9.937	0.000	60086	1.80	
63 2,4-Dinitrotoluene	165	10.018	10.019	-0.001	639183	8.06	
64 Dibenzofuran	168	10.052	10.052	0.000	2441177	8.31	
65 2,3,4,6-Tetrachlorophenol	232	10.148	10.144	0.004	362935	7.19	
66 Diethyl phthalate	149	10.201	10.202	-0.001	2295726	9.33	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	970208	8.69	
69 Fluorene	166	10.341	10.341	-0.001	2549045	10.5	
55 2-Nitroaniline	65	10.341	10.341	-0.001	561969	9.24	
70 4,6-Dinitro-2-methylphenol	198	10.365	10.360	0.005	311572	8.84	
72 N-Nitrosodiphenylamine	169	10.417	10.418	-0.001	1365983	6.63	
74 Azobenzene	77	10.456	10.456	0.000	3664829	9.45	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	3664829	9.45	
13 Benzophenone	105	10.470	10.466	0.004	2366245	10.4	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	501297	8.75	
76 Hexachlorobenzene	284	10.812	10.807	0.005	492642	9.01	
77 Atrazine	200	10.845	10.841	0.004	673747	11.9	
78 Pentachlorophenol	266	10.966	10.966	0.000	274400	9.00	
79 Pentachloronitrobenzene	237	10.980	10.976	0.004	260581	8.55	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.158	11.154	0.004	3172324	9.83	
81 Anthracene	178	11.201	11.197	0.004	3286516	10.8	
83 Carbazole	167	11.322	11.317	0.005	2564320	10.1	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	4005112	10.1	
87 Fluoranthene	202	12.173	12.173	0.000	2897260	10.0	
86 Benzidine	184	12.269	12.269	0.000	5337	0.8059	
85 Pyrene	202	12.403	12.399	0.004	3328438	9.64	
89 Butyl benzyl phthalate	149	13.077	13.072	0.005	1569241	10.1	
91 3,3'-Dichlorobenzidine	252	13.952	13.948	0.004	640017	9.04	
92 Bis(2-ethylhexyl) phthalate	149	13.986	13.981	0.005	2987685	12.1	
93 Benzo[a]anthracene	228	14.029	14.025	0.004	2536269	10.8	
94 Chrysene	228	14.101	14.092	0.009	2362403	10.6	
95 Di-n-octyl phthalate	149	15.375	15.376	-0.001	3355755	8.17	
97 Benzo[b]fluoranthene	252	15.986	15.982	0.004	2183296	10.1	
98 Benzo[k]fluoranthene	252	16.025	16.020	0.005	2138952	10.8	
99 Benzo[a]pyrene	252	16.452	16.448	0.004	1790176	10.2	
100 Indeno[1,2,3-cd]pyrene	276	18.342	18.333	0.009	1268337	10.2	
101 Dibenz(a,h)anthracene	278	18.371	18.367	0.004	999431	10.0	
102 Benzo[g,h,i]perylene	276	18.871	18.867	0.004	1055535	10.3	

Report Date: 28-Sep-2009 07:18:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10560.D

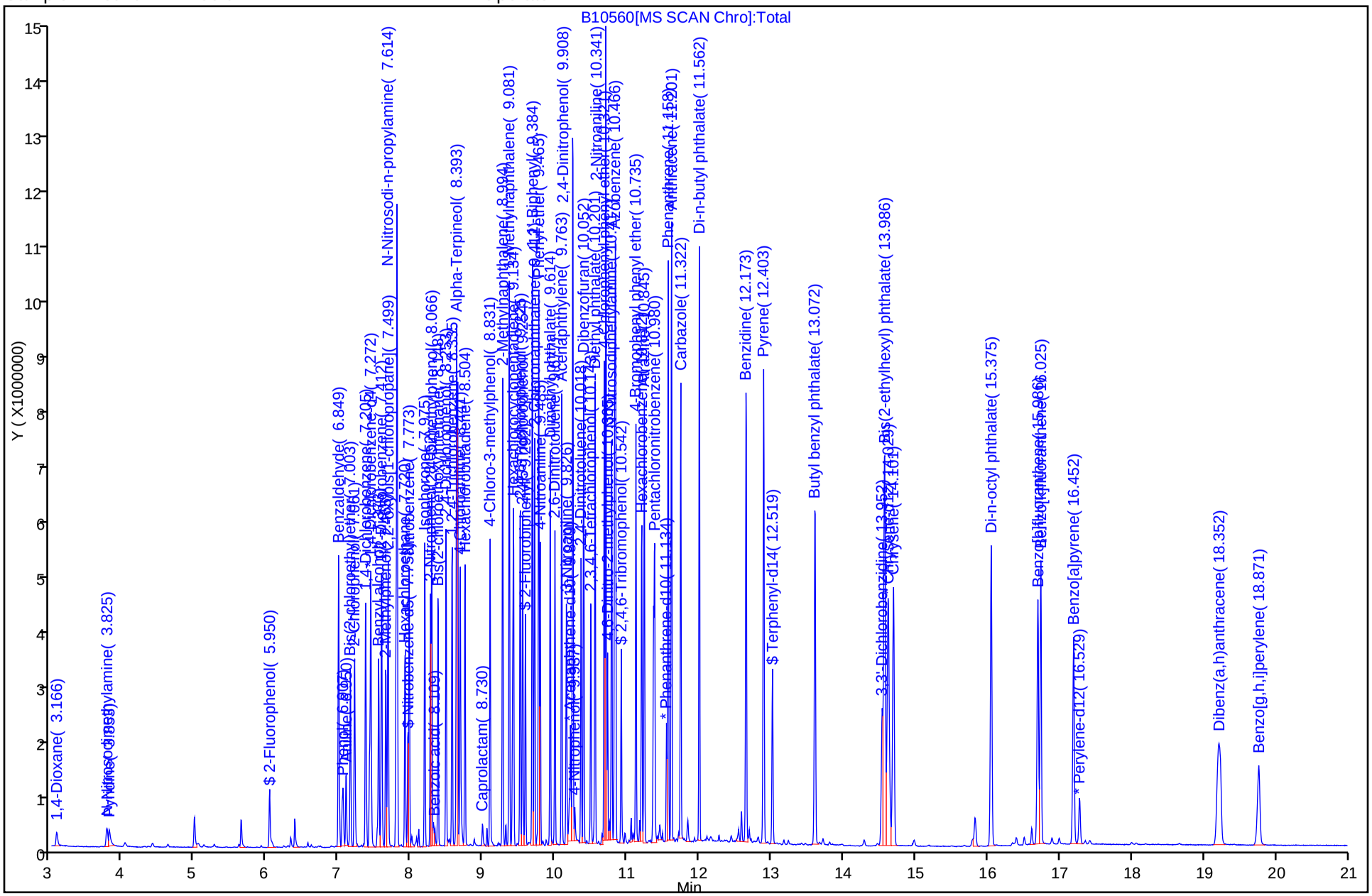
Inj Date: 25-Sep-2009 23:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48980/3-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49246/3-A

Matrix: Solid | Lab File ID: J03195.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 20:38

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	332		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	332		33	10
120-82-1	1,2,4-Trichlorobenzene	294		33	10
95-50-1	1,2-Dichlorobenzene	219		33	10
541-73-1	1,3-Dichlorobenzene	213		33	10
106-46-7	1,4-Dichlorobenzene	214		33	10
90-12-0	1-Methylnaphthalene	329		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	292		33	10
105-67-9	2,4-Dimethylphenol	376		33	13
95-57-8	2-Chlorophenol	247		33	10
120-83-2	2,4-Dichlorophenol	410		33	10
88-06-2	2,4,6-Trichlorophenol	374		33	10
95-48-7	2-Methylphenol	257		33	20
95-95-4	2,4,5-Trichlorophenol	378		33	10
91-57-6	2-Methylnaphthalene	315		33	10
15831-10-4	3 & 4 Methylphenol	270		33	10
88-74-4	2-Nitroaniline	343		170	10
91-94-1	3,3'-Dichlorobenzidine	387		67	10
91-58-7	2-Chloronaphthalene	330		33	10
606-20-2	2,6-Dinitrotoluene	364		33	10
59-50-7	4-Chloro-3-methylphenol	385		67	10
88-75-5	2-Nitrophenol	321		33	10
106-47-8	4-Chloroaniline	293		67	10
99-09-2	3-Nitroaniline	334		170	10
51-28-5	2,4-Dinitrophenol	287		33	10
121-14-2	2,4-Dinitrotoluene	332		33	10
83-32-9	Acenaphthene	364		33	10
208-96-8	Acenaphthylene	321		33	10
100-02-7	4-Nitrophenol	345		170	10
62-53-3	Aniline	105		33	10
100-01-6	4-Nitroaniline	399		170	10
103-33-3	Azobenzene	343		33	10
101-55-3	4-Bromophenyl phenyl ether	325		33	10
7005-72-3	4-Chlorophenyl phenyl ether	333		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49246/3-A

Matrix: Solid | Lab File ID: J03195.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/21/2009 15:30

Sample wt/vol: 30.00(g) | Date Analyzed: 09/28/2009 20:38

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49645 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	322		170	10
65-85-0	Benzoic acid	272		170	15
120-12-7	Anthracene	349		33	10
100-51-6	Benzyl alcohol	269		67	28
111-91-1	Bis(2-chloroethoxy)methane	334		33	10
111-44-4	Bis(2-chloroethyl)ether	223		33	10
85-68-7	Butyl benzyl phthalate	332		33	10
56-55-3	Benzo[a]anthracene	385		33	10
105-60-2	Caprolactam	372		33	10
218-01-9	Chrysene	356		33	10
205-99-2	Benzo[b]fluoranthene	351		33	10
207-08-9	Benzo[k]fluoranthene	378		33	10
50-32-8	Benzo[a]pyrene	412		33	10
132-64-9	Dibenzofuran	319		33	10
53-70-3	Dibenz(a,h)anthracene	394		33	10
84-66-2	Diethyl phthalate	346		33	10
191-24-2	Benzo[g,h,i]perylene	430		33	10
131-11-3	Dimethyl phthalate	340		33	10
98-86-2	Acetophenone	254		33	10
84-74-2	Di-n-butyl phthalate	418		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	352		33	10
117-84-0	Di-n-octyl phthalate	366		33	17
206-44-0	Fluoranthene	364		33	10
86-73-7	Fluorene	380		33	10
118-74-1	Hexachlorobenzene	327		33	10
87-68-3	Hexachlorobutadiene	303		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	239		33	10
77-47-4	Hexachlorocyclopentadiene	268		67	10
67-72-1	Hexachloroethane	220		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	481		33	10
78-59-1	Isophorone	299		33	10
91-20-3	Naphthalene	305		80	10
98-95-3	Nitrobenzene	317		33	10
1912-24-9	Atrazine	416		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 360-49246/3-A
Matrix: Solid
Lab File ID: J03195.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/21/2009 15:30
Sample wt/vol: 30.00(g)
Date Analyzed: 09/28/2009 20:38
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49645
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	291		33	10
62-75-9	N-Nitrosodimethylamine	237		33	12
86-74-8	Carbazole	359		33	10
621-64-7	N-Nitrosodi-n-propylamine	254		33	10
119-61-9	Benzophenone	361		33	10
86-30-6	N-Nitrosodiphenylamine	249		33	10
101-84-8	Diphenyl oxide	355		33	10
87-86-5	Pentachlorophenol	317		33	10
85-01-8	Phenanthrene	399		40	10
108-95-2	Phenol	255		33	10
129-00-0	Pyrene	348		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	88	30-130	
321-60-8	2-Fluorobiphenyl	81	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	83	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	81	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03195.D		
Lims ID:	LCSD 360-49246/3-A	Client ID:	
Inject. Date:	28-Sep-2009 20:38:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-49246/3-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49645	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\8270NDMA.m		
Last Update:	30-Sep-2009 08:34:30	Calib Date:	28-Sep-2009 18:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	29-Sep-2009 17:01:38
Reviewed By:	sullivanp	Date:	29-Sep-2009 17:05:41
Reviewed By:	sullivanp	Date:	30-Sep-2009 08:34:30

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.035	8.035	0.000	75616	2.00	
* 2 Naphthalene-d8	136	9.348	9.347	0.001	138044	2.00	
* 3 Acenaphthene-d10	164	11.137	11.136	0.001	74680	2.00	
* 4 Phenanthrene-d10	188	12.618	12.617	0.001	127947	2.00	
* 5 Chrysene-d12	240	15.378	15.378	0.000	105852	2.00	
* 6 Perylene-d12	264	17.013	17.018	-0.005	67819	2.00	
$ 7 2-Fluorophenol	112	6.694	6.688	0.006	142709	6.38	
$ 8 Phenol-d5	99	7.684	7.684	0.000	177444	6.71	
$ 9 Nitrobenzene-d5	82	8.636	8.636	0.000	80724	4.16	
$ 10 2-Fluorobiphenyl	172	10.425	10.429	-0.004	175694	4.07	
$ 11 2,4,6-Tribromophenol	330	11.940	11.939	0.001	44157	8.82	
$ 12 Terphenyl-d14	244	14.200	14.200	0.000	153779	4.04	
14 1,4-Dioxane	88	4.039	3.952	0.087	36104	4.11	
16 Pyridine	79	4.794	4.750	0.044	113856	5.18	
15 N-Nitrosodimethylamine	74	4.828	4.794	0.034	84891	7.10	
17 Benzaldehyde	105	7.598	7.597	0.001	120467	8.72	
18 Phenol	94	7.699	7.698	0.001	217661	7.65	
19 Aniline	93	7.742	7.741	0.001	104825	3.15	
20 Bis(2-chloroethyl)ether	93	7.785	7.789	-0.004	155099	6.69	
21 2-Chlorophenol	128	7.852	7.852	0.000	171917	7.42	
22 1,4-Dichlorobenzene	146	7.997	7.996	0.001	173325	6.42	
23 1,3-Dichlorobenzene	146	8.050	8.054	-0.004	179416	6.38	
24 Benzyl alcohol	79	8.189	8.189	0.000	155664	8.07	
25 1,2-Dichlorobenzene	146	8.252	8.251	0.001	168782	6.58	
26 2-Methylphenol	108	8.309	8.304	0.005	159624	7.70	
27 2,2'-oxybis[1-chloropropane]	45	8.338	8.333	0.005	148574	7.16	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.444	8.443	0.001	174987	8.09	
30 Acetophenone	105	8.468	8.472	-0.004	236459	7.63	
29 N-Nitrosodi-n-propylamine	70	8.478	8.477	0.001	125381	7.61	
31 Hexachloroethane	117	8.564	8.564	0.000	64037	6.61	
32 Nitrobenzene	77	8.656	8.655	0.001	188167	9.51	
33 Isophorone	82	8.872	8.871	0.001	296808	8.98	
35 2,4-Dimethylphenol	107	8.978	8.977	0.001	195642	11.3	
34 2-Nitrophenol	139	8.978	8.977	0.001	88774	9.62	
36 Benzoic acid	105	9.045	9.040	0.005	51048	8.17	
37 Bis(2-chloroethoxy)methane	93	9.079	9.078	0.001	199581	10.0	
39 1,2,4-Trichlorobenzene	180	9.295	9.295	0.000	148291	8.81	
40 Alpha-Terpineol	59	9.324	9.323	0.001	116579	9.75	
41 Naphthalene	128	9.367	9.367	0.000	507101	9.16	
42 4-Chloroaniline	127	9.430	9.434	-0.004	176974	8.80	
38 2,4-Dichlorophenol	162	9.204	9.439	-0.235	150753	12.3	M
43 Hexachlorobutadiene	225	9.526	9.525	0.001	83435	9.09	
44 Caprolactam	55	9.742	9.737	0.005	55240	11.2	
45 4-Chloro-3-methylphenol	107	9.887	9.886	0.001	172956	11.6	
46 2-Methylnaphthalene	142	10.055	10.054	0.001	342572	9.44	
47 1-Methylnaphthalene	142	10.170	10.170	0.000	348582	9.86	
49 1,2,4,5-Tetrachlorobenzene	216	10.266	10.266	0.000	143107	9.96	
48 Hexachlorocyclopentadiene	237	10.271	10.271	0.000	45343	8.04	
50 2,4,6-Trichlorophenol	196	10.358	10.357	0.001	108638	11.2	
51 2,4,5-Trichlorophenol	196	10.396	10.396	0.000	111515	11.3	
52 1,1'-Biphenyl	154	10.521	10.521	0.000	453271	9.97	
53 2-Chloronaphthalene	162	10.550	10.593	-0.043	327589	9.89	
54 Phenyl ether	170	10.627	10.627	0.000	244518	10.7	
55 2-Nitroaniline	65	10.685	10.684	0.001	109842	10.3	
56 Dimethyl phthalate	163	10.853	10.857	-0.004	422135	10.2	
57 2,6-Dinitrotoluene	165	10.949	10.949	0.000	93308	10.9	
58 Acenaphthylene	152	10.988	10.987	0.001	529260	9.62	
59 3-Nitroaniline	138	11.098	11.098	0.000	89906	10.0	
61 Acenaphthene	153	11.171	11.170	0.001	396687	10.9	
60 2,4-Dinitrophenol	184	11.195	11.194	0.001	26102	8.62	
62 4-Nitrophenol	109	11.223	11.223	0.000	56032	10.3	
64 Dibenzofuran	168	11.320	11.324	-0.004	481508	9.57	
63 2,4-Dinitrotoluene	165	11.344	11.343	0.001	120317	9.96	
65 2,3,4,6-Tetrachlorophenol	232	11.478	11.478	0.000	70658	8.76	
66 Diethyl phthalate	149	11.550	11.550	0.000	440810	10.4	
67 4-Chlorophenyl phenyl ether	204	11.642	11.641	0.001	192043	10.0	
69 Fluorene	166	11.671	11.670	0.001	464849	11.4	
68 4-Nitroaniline	138	11.724	11.718	0.006	86736	12.0	
70 4,6-Dinitro-2-methylphenol	198	11.748	11.747	0.001	46337	9.67	
72 N-Nitrosodiphenylamine	169	11.767	11.766	0.001	257941	7.46	
73 1,2-Diphenylhydrazine	77	11.800	11.800	0.000	450041	10.3	
74 Azobenzene	77	11.800	11.800	0.000	450041	10.3	
13 Benzophenone	105	11.834	11.834	0.000	358644	10.8	
75 4-Bromophenyl phenyl ether	248	12.132	12.136	-0.004	104152	9.76	
77 Atrazine	200	12.301	12.295	0.006	124337	12.5	
76 Hexachlorobenzene	284	12.305	12.305	0.000	110363	9.82	
78 Pentachlorophenol	266	12.479	12.478	0.000	44497	9.52	
79 Pentachloronitrobenzene	237	12.555	12.555	0.000	49976	11.1	

Report Date: 30-Sep-2009 08:34:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03195.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	12.642	12.642	0.000	612436	10.5	
80 Phenanthrene	178	12.690	12.685	0.005	632457	12.0	
83 Carbazole	167	12.844	12.843	0.001	493894	10.8	
84 Di-n-butyl phthalate	149	13.157	13.156	0.001	837041	12.5	
87 Fluoranthene	202	13.849	13.849	0.001	578525	10.9	
86 Benzidine	184	13.960	13.959	0.001	4257	1.22	
85 Pyrene	202	14.094	14.094	0.000	649879	10.4	
89 Butyl benzyl phthalate	149	14.700	14.700	0.000	292767	9.96	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.286	-0.004	396657	10.5	
91 3,3'-Dichlorobenzidine	252	15.316	15.315	0.001	120856	11.6	
93 Benzo[a]anthracene	228	15.359	15.358	0.001	494191	11.6	
94 Chrysene	228	15.407	15.407	0.000	455664	10.7	
95 Di-n-octyl phthalate	149	15.926	15.926	0.000	530796	11.0	
97 Benzo[b]fluoranthene	252	16.542	16.541	0.001	406516	10.5	
98 Benzo[k]fluoranthene	252	16.566	16.565	0.001	388113	11.3	
99 Benzo[a]pyrene	252	16.946	16.945	0.001	307590	12.4	
101 Dibenz(a,h)anthracene	278	18.547	18.547	0.000	200989	11.8	
100 Indeno[1,2,3-cd]pyrene	276	18.552	18.552	0.000	255649	14.4	
102 Benzo[g,h,i]perylene	276	19.023	19.023	0.000	215691	12.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2009 08:34:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090929-1.b\J03195.D

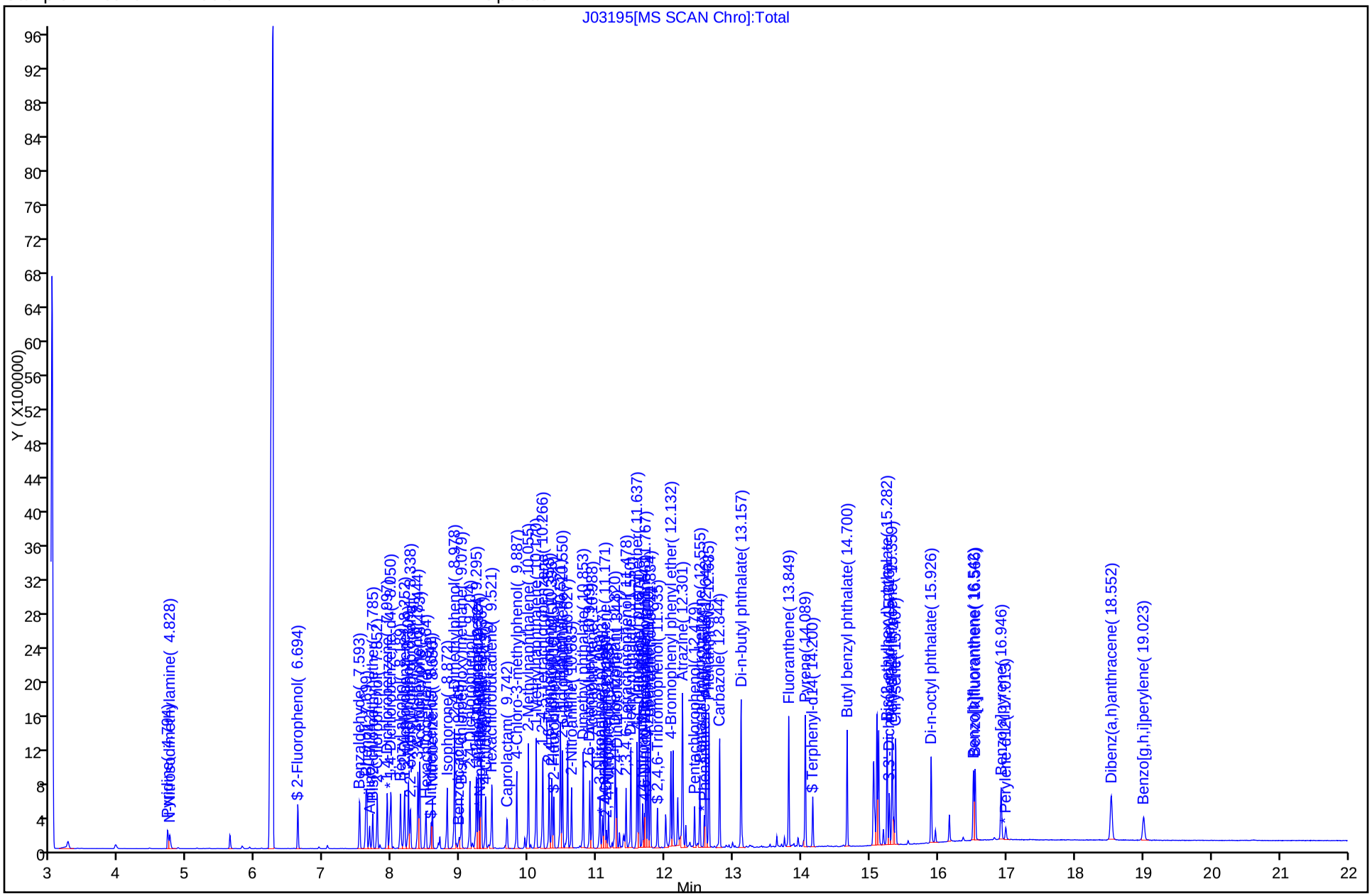
Inj Date: 28-Sep-2009 20:38:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49645 Lims Sample ID: 14

Client ID: Instrument: Inst. J

Sample Info: lcsd 360-49246/3-a

Sample Amount: 1.00 ul Operator:



FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49302/3-A

Matrix: Solid | Lab File ID: J03155.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3550B | Date Extracted: 09/22/2009 11:55

Sample wt/vol: 100.00(g) | Date Analyzed: 09/26/2009 14:41

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49520 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	68.7		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	53	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	87	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03155.D		
Lims ID:	LCSD 360-49302/3-A	Client ID:	
Inject. Date:	26-Sep-2009 14:41:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-49302/3A		
Misc. Info.:	360-0001303-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49520	Lims Sample ID:	5
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090926-1.b\8270NDMA.m		
Last Update:	27-Sep-2009 10:39:56	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	27-Sep-2009 10:45:59

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.236	8.239	-0.003	100583	2.00	
* 2 Naphthalene-d8	136	9.553	9.552	0.001	194012	2.00	
* 3 Acenaphthene-d10	164	11.347	11.345	0.002	101749	2.00	
* 4 Phenanthrene-d10	188	12.833	12.836	-0.003	170462	2.00	
* 5 Chrysene-d12	240	15.617	15.620	-0.003	106647	2.00	
* 6 Perylene-d12	264	17.339	17.337	0.002	69045	2.00	
$ 7 2-Fluorophenol	112	6.894	6.892	0.002	167114	5.30	
$ 8 Phenol-d5	99	7.875	7.873	0.002	221130	5.72	
$ 9 Nitrobenzene-d5	82	8.837	8.840	-0.003	101468	3.36	
$ 10 2-Fluorobiphenyl	172	10.630	10.629	0.001	228900	3.38	
$ 11 2,4,6-Tribromophenol	330	12.150	12.148	0.002	57480	7.88	
$ 12 Terphenyl-d14	244	14.420	14.418	0.002	192817	4.35	
15 N-Nitrosodimethylamine	74	5.086	5.084	0.002	121644	6.87	
18 Phenol	94	7.889	7.888	0.001	301245	7.30	
19 Aniline	93	7.942	7.945	-0.003	92428	1.93	
20 Bis(2-chloroethyl)ether	93	7.986	7.984	0.002	219538	6.37	
21 2-Chlorophenol	128	8.053	8.056	-0.003	231131	7.01	
22 1,4-Dichlorobenzene	146	8.202	8.205	-0.003	242995	6.24	
23 1,3-Dichlorobenzene	146	8.255	8.258	-0.003	246914	6.13	
24 Benzyl alcohol	79	8.385	8.383	0.002	221490	8.29	
25 1,2-Dichlorobenzene	146	8.457	8.455	0.002	232940	6.14	
26 2-Methylphenol	108	8.495	8.498	-0.003	227919	7.66	
27 2,2'-oxybis[1-chloropropane]	45	8.534	8.527	0.007	214098	6.46	
28 3 & 4 Methylphenol	108	8.635	8.638	-0.003	248603	8.05	
30 Acetophenone	105	8.668	8.667	0.001	337228	7.75	
29 N-Nitrosodi-n-propylamine	70	8.673	8.672	0.001	179427	8.03	
31 Hexachloroethane	117	8.765	8.768	-0.003	88353	6.43	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.856	8.859	-0.003	254542	8.32	
33 Isophorone	82	9.072	9.071	0.001	436654	8.56	
35 2,4-Dimethylphenol	107	9.173	9.172	0.001	265819	9.94	
34 2-Nitrophenol	139	9.178	9.181	-0.003	124516	7.89	
36 Benzoic acid	105	9.231	9.225	0.006	40653	7.47	
37 Bis(2-chloroethoxy)methane	93	9.274	9.273	0.001	288241	8.71	
39 1,2,4-Trichlorobenzene	180	9.500	9.499	0.001	204169	7.67	
40 Alpha-Terpineol	59	9.524	9.523	0.001	176964	9.37	
41 Naphthalene	128	9.572	9.571	0.001	699371	7.95	
42 4-Chloroaniline	127	9.630	9.633	-0.003	234055	7.21	
38 2,4-Dichlorophenol	162	9.635	9.638	-0.003	750	0.0358	
43 Hexachlorobutadiene	225	9.726	9.725	0.001	114415	8.14	
45 4-Chloro-3-methylphenol	107	10.077	10.081	-0.004	243677	10.9	
46 2-Methylnaphthalene	142	10.260	10.258	0.002	484923	8.78	
49 1,2,4,5-Tetrachlorobenzene	216	10.467	10.470	-0.003	201266	9.47	
48 Hexachlorocyclopentadiene	237	10.477	10.475	0.001	27928	3.05	
50 2,4,6-Trichlorophenol	196	10.558	10.561	-0.003	151803	10.3	
51 2,4,5-Trichlorophenol	196	10.602	10.600	0.002	159891	10.6	
53 2-Chloronaphthalene	162	10.760	10.802	-0.042	461072	7.30	
55 2-Nitroaniline	65	10.890	10.888	0.002	146582	9.01	
56 Dimethyl phthalate	163	11.054	11.052	0.002	598705	9.75	
57 2,6-Dinitrotoluene	165	11.155	11.153	0.002	135477	9.43	
58 Acenaphthylene	152	11.198	11.196	0.002	744007	9.04	
59 3-Nitroaniline	138	11.304	11.302	0.002	119265	7.99	
61 Acenaphthene	153	11.381	11.379	0.002	555314	10.0	
60 2,4-Dinitrophenol	184	11.400	11.398	0.002	21490	9.07	
62 4-Nitrophenol	109	11.424	11.422	0.002	67751	8.78	
64 Dibenzofuran	168	11.530	11.533	-0.003	675559	8.87	
63 2,4-Dinitrotoluene	165	11.549	11.547	0.002	172572	9.52	
75 4-Bromophenyl phenyl ether	248	11.554	11.552	0.002	216	0.0137	
66 Diethyl phthalate	149	11.746	11.744	0.002	633098	10.2	
67 4-Chlorophenyl phenyl ether	204	11.847	11.845	0.002	278122	9.55	
69 Fluorene	166	11.881	11.879	0.002	660613	11.0	
68 4-Nitroaniline	138	11.929	11.927	0.002	87656	7.16	
70 4,6-Dinitro-2-methylphenol	198	11.958	11.951	0.007	49768	10.9	
72 N-Nitrosodiphenylamine	169	11.972	11.970	0.002	364570	6.86	
74 Azobenzene	77	12.006	12.004	0.002	617952	9.72	
73 1,2-Diphenylhydrazine	77	12.006	12.004	0.002	617952	9.72	
76 Hexachlorobenzene	284	12.520	12.519	0.001	159354	9.86	
78 Pentachlorophenol	266	12.689	12.687	0.002	65995	9.65	
79 Pentachloronitrobenzene	237	12.765	12.764	0.001	71120	11.2	
81 Anthracene	178	12.857	12.860	-0.003	861775	10.9	
80 Phenanthrene	178	12.905	12.903	0.002	867931	9.86	
83 Carbazole	167	13.054	13.052	0.002	630565	9.05	
84 Di-n-butyl phthalate	149	13.357	13.355	0.002	1799666	17.6	
87 Fluoranthene	202	14.073	14.072	0.001	789148	9.66	
85 Pyrene	202	14.073	14.072	0.001	789148	11.5	
86 Benzidine	184	14.165	14.178	-0.013	210	0.3942	
89 Butyl benzyl phthalate	149	14.920	14.918	0.002	454250	12.1	
92 Bis(2-ethylhexyl) phthalate	149	15.502	15.500	0.002	675886	14.3	
91 3,3'-Dichlorobenzidine	252	15.555	15.548	0.007	122125	9.63	
93 Benzo[a]anthracene	228	15.598	15.596	0.002	562262	12.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	15.651	15.649	0.002	516461	10.9	
95 Di-n-octyl phthalate	149	16.146	16.144	0.002	952192	11.5	
98 Benzo[k]fluoranthene	252	16.829	16.827	0.002	468670	10.4	
97 Benzo[b]fluoranthene	252	16.853	16.851	0.002	400928	8.40	
99 Benzo[a]pyrene	252	17.267	17.265	0.002	317293	9.81	
101 Dibenz(a,h)anthracene	278	19.007	19.006	0.001	213878	11.7	
100 Indeno[1,2,3-cd]pyrene	276	19.017	19.015	0.002	268708	10.8	
102 Benzo[g,h,i]perylene	276	19.531	19.530	0.001	240260	11.4	

Report Date: 27-Sep-2009 10:46:00 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090926-1.b\J03155.D

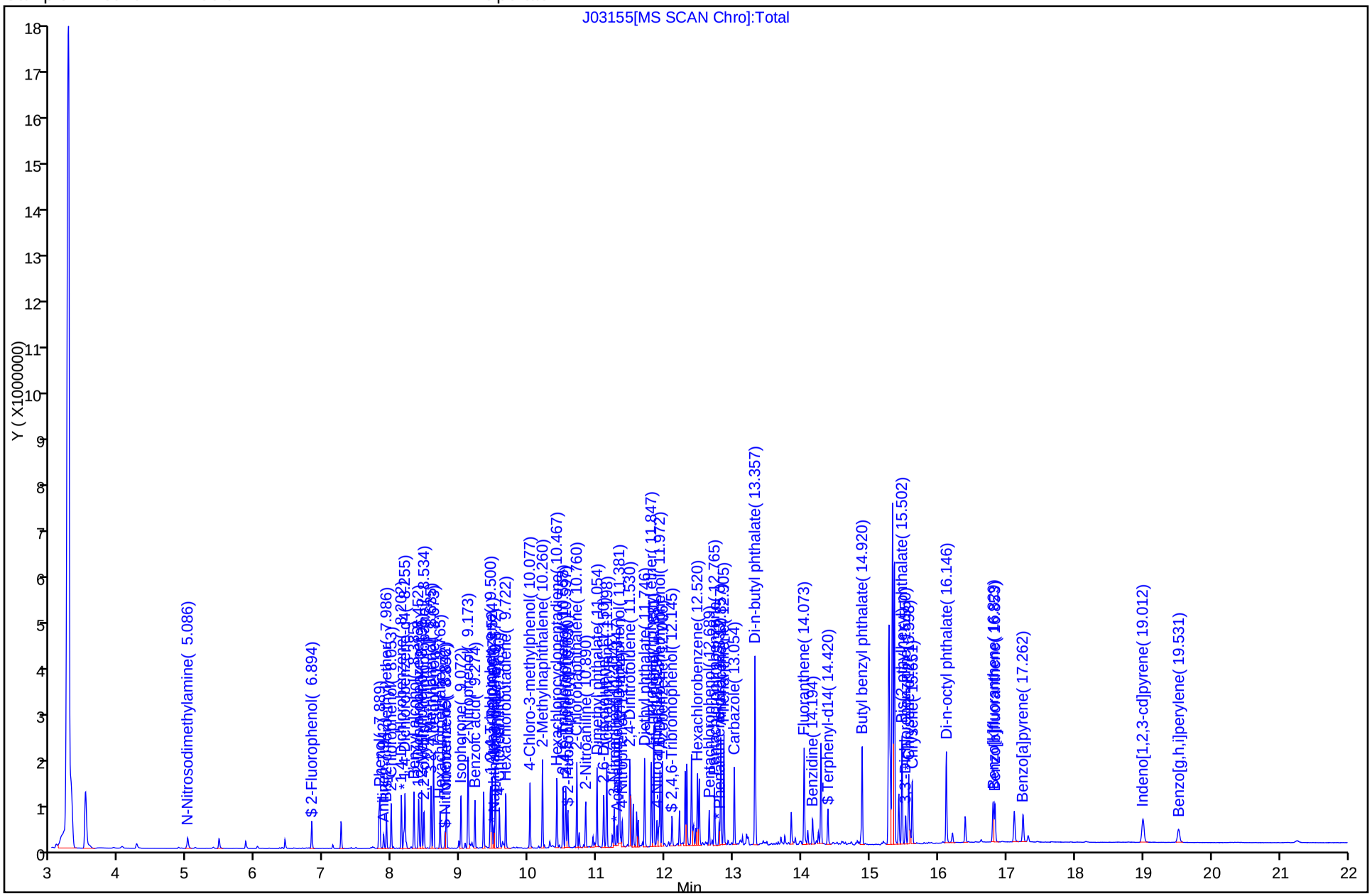
Inj Date: 26-Sep-2009 14:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49520 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: LCSD 360-49302/3A

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49345/3-A

Matrix: Solid | Lab File ID: B10633.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 22:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	298		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	269		33	10
120-82-1	1,2,4-Trichlorobenzene	239		33	10
95-50-1	1,2-Dichlorobenzene	216		33	10
541-73-1	1,3-Dichlorobenzene	206		33	10
106-46-7	1,4-Dichlorobenzene	205		33	10
90-12-0	1-Methylnaphthalene	261		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	299		33	10
105-67-9	2,4-Dimethylphenol	310		33	13
95-57-8	2-Chlorophenol	238		33	10
120-83-2	2,4-Dichlorophenol	300		33	10
88-06-2	2,4,6-Trichlorophenol	343		33	10
95-48-7	2-Methylphenol	271		33	20
95-95-4	2,4,5-Trichlorophenol	306		33	10
91-57-6	2-Methylnaphthalene	266		33	10
15831-10-4	3 & 4 Methylphenol	274		33	10
88-74-4	2-Nitroaniline	373		170	10
91-94-1	3,3'-Dichlorobenzidine	316		67	10
91-58-7	2-Chloronaphthalene	229		33	10
606-20-2	2,6-Dinitrotoluene	307		33	10
59-50-7	4-Chloro-3-methylphenol	311		67	10
88-75-5	2-Nitrophenol	283		33	10
106-47-8	4-Chloroaniline	224		67	10
99-09-2	3-Nitroaniline	333		170	10
51-28-5	2,4-Dinitrophenol	275		33	10
121-14-2	2,4-Dinitrotoluene	294		33	10
83-32-9	Acenaphthene	334		33	10
208-96-8	Acenaphthylene	276		33	10
100-02-7	4-Nitrophenol	346		170	10
62-53-3	Aniline	115		33	10
100-01-6	4-Nitroaniline	296		170	10
103-33-3	Azobenzene	302		33	10
101-55-3	4-Bromophenyl phenyl ether	298		33	10
7005-72-3	4-Chlorophenyl phenyl ether	302		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49345/3-A

Matrix: Solid | Lab File ID: B10633.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 22:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
534-52-1	4,6-Dinitro-2-methylphenol	316		170	10
65-85-0	Benzoic acid	277		170	15
120-12-7	Anthracene	348		33	10
100-51-6	Benzyl alcohol	221		67	28
111-91-1	Bis(2-chloroethoxy)methane	267		33	10
111-44-4	Bis(2-chloroethyl)ether	219		33	10
85-68-7	Butyl benzyl phthalate	299		33	10
56-55-3	Benzo[a]anthracene	374		33	10
105-60-2	Caprolactam	265		33	10
218-01-9	Chrysene	342		33	10
205-99-2	Benzo[b]fluoranthene	339		33	10
207-08-9	Benzo[k]fluoranthene	383		33	10
50-32-8	Benzo[a]pyrene	348		33	10
132-64-9	Dibenzofuran	292		33	10
53-70-3	Dibenz(a,h)anthracene	372		33	10
84-66-2	Diethyl phthalate	306		33	10
191-24-2	Benzo[g,h,i]perylene	375		33	10
131-11-3	Dimethyl phthalate	299		33	10
98-86-2	Acetophenone	257		33	10
84-74-2	Di-n-butyl phthalate	358		33	29
117-81-7	Bis(2-ethylhexyl) phthalate	268		33	10
117-84-0	Di-n-octyl phthalate	267		33	17
206-44-0	Fluoranthene	341		33	10
86-73-7	Fluorene	354		33	10
118-74-1	Hexachlorobenzene	310		33	10
87-68-3	Hexachlorobutadiene	241		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	230		33	10
77-47-4	Hexachlorocyclopentadiene	228		67	10
67-72-1	Hexachloroethane	214		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	422		33	10
78-59-1	Isophorone	228		33	10
91-20-3	Naphthalene	260		80	10
98-95-3	Nitrobenzene	258		33	10
1912-24-9	Atrazine	377		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: LCSD 360-49345/3-A

Matrix: Solid | Lab File ID: B10633.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 09/29/2009 22:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	304		33	10
62-75-9	N-Nitrosodimethylamine	250		33	12
86-74-8	Carbazole	353		33	10
621-64-7	N-Nitrosodi-n-propylamine	264		33	10
119-61-9	Benzophenone	318		33	10
86-30-6	N-Nitrosodiphenylamine	223		33	10
101-84-8	Diphenyl oxide	278		33	10
87-86-5	Pentachlorophenol	320		33	10
85-01-8	Phenanthrene	344		40	10
108-95-2	Phenol	251		33	10
129-00-0	Pyrene	304		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	30-130	
321-60-8	2-Fluorobiphenyl	80	30-130	
367-12-4	2-Fluorophenol	76	30-130	
4165-60-0	Nitrobenzene-d5	74	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	71	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10633.D		
Lims ID:	LCSD 360-49345/3-A	Client ID:	
Inject. Date:	29-Sep-2009 22:44:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-49345/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49685	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\8270B.m		
Last Update:	08-Oct-2009 08:00:46	Calib Date:	29-Sep-2009 20:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090930-1.b\B10629.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	30-Sep-2009 14:13:29
Reviewed By:	sullivanp	Date:	12-Oct-2009 13:32:40

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.923	6.920	0.003	659192	2.00	
* 2 Naphthalene-d8	136	8.058	8.055	0.003	1354494	2.00	
* 3 Acenaphthene-d10	164	9.544	9.541	0.003	636789	2.00	
* 4 Phenanthrene-d10	188	10.789	10.787	0.002	1067257	2.00	
* 5 Chrysene-d12	240	13.395	13.383	0.012	858525	2.00	
* 6 Perylene-d12	264	15.939	15.937	0.002	529949	2.00	
$ 7 2-Fluorophenol	112	5.620	5.569	0.051	1191658	7.57	
$ 8 Phenol-d5	99	6.591	6.574	0.017	1442602	7.06	
$ 9 Nitrobenzene-d5	82	7.428	7.425	0.003	691754	3.68	
$ 10 2-Fluorobiphenyl	172	8.966	8.964	0.002	1462196	4.02	
$ 11 2,4,6-Tribromophenol	330	10.207	10.200	0.007	297321	7.87	
$ 12 Terphenyl-d14	244	12.116	12.114	0.002	1157592	3.55	
16 Pyridine	79	3.364	3.129	0.235	778353	6.69	M
15 N-Nitrosodimethylamine	42	3.316	3.145	0.171	933710	7.51	M
17 Benzaldehyde	105	6.509	6.512	-0.003	963303	9.13	
18 Phenol	94	6.605	6.589	0.016	1680314	7.53	
19 Aniline	93	6.615	6.613	0.002	854196	3.45	
20 Bis(2-chloroethyl)ether	93	6.682	6.680	0.002	1075197	6.57	
21 2-Chlorophenol	128	6.730	6.723	0.007	1337909	7.15	
22 1,4-Dichlorobenzene	146	6.870	6.867	0.003	1383738	6.14	
23 1,3-Dichlorobenzene	146	6.937	6.940	-0.003	1433106	6.17	
24 Benzyl alcohol	79	7.057	7.050	0.007	1030499	6.63	
25 1,2-Dichlorobenzene	146	7.077	7.079	-0.002	1390694	6.48	
26 2-Methylphenol	108	7.158	7.146	0.012	1316647	8.14	
27 2,2'-oxybis[1-chloropropane]	45	7.178	7.175	0.003	2117951	6.89	
28 3 & 4 Methylphenol	108	7.293	7.286	0.007	1458272	8.21	
30 Acetophenone	105	7.293	7.291	0.002	1964997	7.71	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.293	7.291	0.002	1034622	7.91	
31 Hexachloroethane	117	7.384	7.382	0.002	563809	6.42	
32 Nitrobenzene	77	7.447	7.445	0.003	1445689	7.74	
33 Isophorone	82	7.654	7.651	0.003	2050673	6.84	
34 2-Nitrophenol	139	7.726	7.723	0.003	749899	8.48	
35 2,4-Dimethylphenol	107	7.755	7.747	0.008	1518077	9.29	
36 Benzoic acid	105	7.851	7.823	0.028	796097	8.32	
37 Bis(2-chloroethoxy)methane	93	7.836	7.834	0.002	1417475	8.01	
38 2,4-Dichlorophenol	162	7.933	7.925	0.008	1225526	9.01	
39 1,2,4-Trichlorobenzene	180	8.005	8.002	0.003	1143514	7.18	
40 Alpha-Terpineol	59	8.077	8.070	0.007	1268200	7.98	
41 Naphthalene	128	8.077	8.074	0.003	3970894	7.79	
42 4-Chloroaniline	127	8.115	8.113	0.002	1297346	6.72	
43 Hexachlorobutadiene	225	8.178	8.175	0.003	606409	7.22	
44 Caprolactam	55	8.423	8.392	0.031	599816	7.96	
45 4-Chloro-3-methylphenol	107	8.524	8.512	0.012	1346557	9.33	
46 2-Methylnaphthalene	142	8.664	8.661	0.003	2757577	7.98	
47 1-Methylnaphthalene	142	8.750	8.748	0.002	2659042	7.82	
48 Hexachlorocyclopentadiene	237	8.798	8.796	0.002	442163	6.84	
49 1,2,4,5-Tetrachlorobenzene	216	8.808	8.805	0.003	1134114	8.06	
50 2,4,6-Trichlorophenol	196	8.899	8.897	0.002	904399	10.3	
51 2,4,5-Trichlorophenol	196	8.933	8.926	0.007	838163	9.18	
52 1,1'-Biphenyl	154	9.053	9.051	0.002	3479841	8.94	
53 2-Chloronaphthalene	162	9.077	9.075	0.002	2615141	6.88	
54 Phenyl ether	170	9.140	9.137	0.003	1796091	8.34	
68 4-Nitroaniline	138	9.159	9.152	0.007	1013487	8.89	
56 Dimethyl phthalate	163	9.298	9.296	0.002	3172332	8.97	
57 2,6-Dinitrotoluene	165	9.356	9.349	0.007	725509	9.22	
58 Acenaphthylene	152	9.428	9.426	0.002	3962160	8.29	
59 3-Nitroaniline	138	9.500	9.493	0.007	727664	9.99	
61 Acenaphthene	153	9.572	9.570	0.002	3282194	10.0	
60 2,4-Dinitrophenol	184	9.587	9.580	0.007	307835	8.24	
62 4-Nitrophenol	109	9.625	9.613	0.012	546095	10.4	
63 2,4-Dinitrotoluene	165	9.693	9.690	0.003	970272	8.83	
64 Dibenzofuran	168	9.717	9.714	0.003	3727733	8.75	
65 2,3,4,6-Tetrachlorophenol	232	9.813	9.810	0.003	637775	8.96	
66 Diethyl phthalate	149	9.885	9.878	0.007	3479436	9.17	
67 4-Chlorophenyl phenyl ether	204	9.991	9.988	0.003	1485770	9.05	
69 Fluorene	166	10.005	9.998	0.007	3871547	10.6	
55 2-Nitroaniline	65	10.015	10.003	0.012	928107	11.2	
70 4,6-Dinitro-2-methylphenol	198	10.039	10.032	0.007	485970	9.47	
72 N-Nitrosodiphenylamine	169	10.087	10.085	0.002	2007281	6.69	
73 1,2-Diphenylhydrazine	77	10.125	10.126	-0.001	5307283	9.06	
74 Azobenzene	77	10.125	10.126	-0.001	5307283	9.06	
13 Benzophenone	105	10.135	10.133	0.002	3229236	9.53	
75 4-Bromophenyl phenyl ether	248	10.400	10.397	0.003	758106	8.95	
76 Hexachlorobenzene	284	10.472	10.464	0.008	758185	9.31	
77 Atrazine	200	10.525	10.517	0.008	946735	11.3	
78 Pentachlorophenol	266	10.630	10.632	-0.002	487456	9.59	
79 Pentachloronitrobenzene	237	10.640	10.638	0.002	419529	8.98	
80 Phenanthrene	178	10.813	10.806	0.007	4906563	10.3	
81 Anthracene	178	10.856	10.849	0.007	4687850	10.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	10.981	10.974	0.007	3850021	10.6	
84 Di-n-butyl phthalate	149	11.241	11.239	0.002	6146958	10.7	
87 Fluoranthene	202	11.808	11.801	0.007	4313814	10.2	
86 Benzidine	184	11.905	11.906	-0.001	12471	0.8397	
85 Pyrene	202	12.006	11.998	0.008	4946830	9.13	
89 Butyl benzyl phthalate	149	12.597	12.595	0.002	2470524	8.96	
91 3,3'-Dichlorobenzidine	252	13.328	13.311	0.017	829509	9.49	
92 Bis(2-ethylhexyl) phthalate	149	13.367	13.359	0.008	3715631	8.05	
93 Benzo[a]anthracene	228	13.376	13.369	0.007	3992576	11.2	
94 Chrysene	228	13.439	13.427	0.012	3323340	10.3	
95 Di-n-octyl phthalate	149	14.631	14.629	0.002	4941146	8.01	
97 Benzo[b]fluoranthene	252	15.405	15.393	0.012	2766982	10.2	
98 Benzo[k]fluoranthene	252	15.449	15.437	0.012	2674654	11.5	
99 Benzo[a]pyrene	252	15.872	15.865	0.007	2204296	10.4	
100 Indeno[1,2,3-cd]pyrene	276	17.478	17.466	0.012	1574784	12.7	
101 Dibenz(a,h)anthracene	278	17.507	17.500	0.007	1230050	11.2	
102 Benzo[g,h,i]perylene	276	17.920	17.908	0.012	1289150	11.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 12-Oct-2009 13:32:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090930-1.b\B10633.D

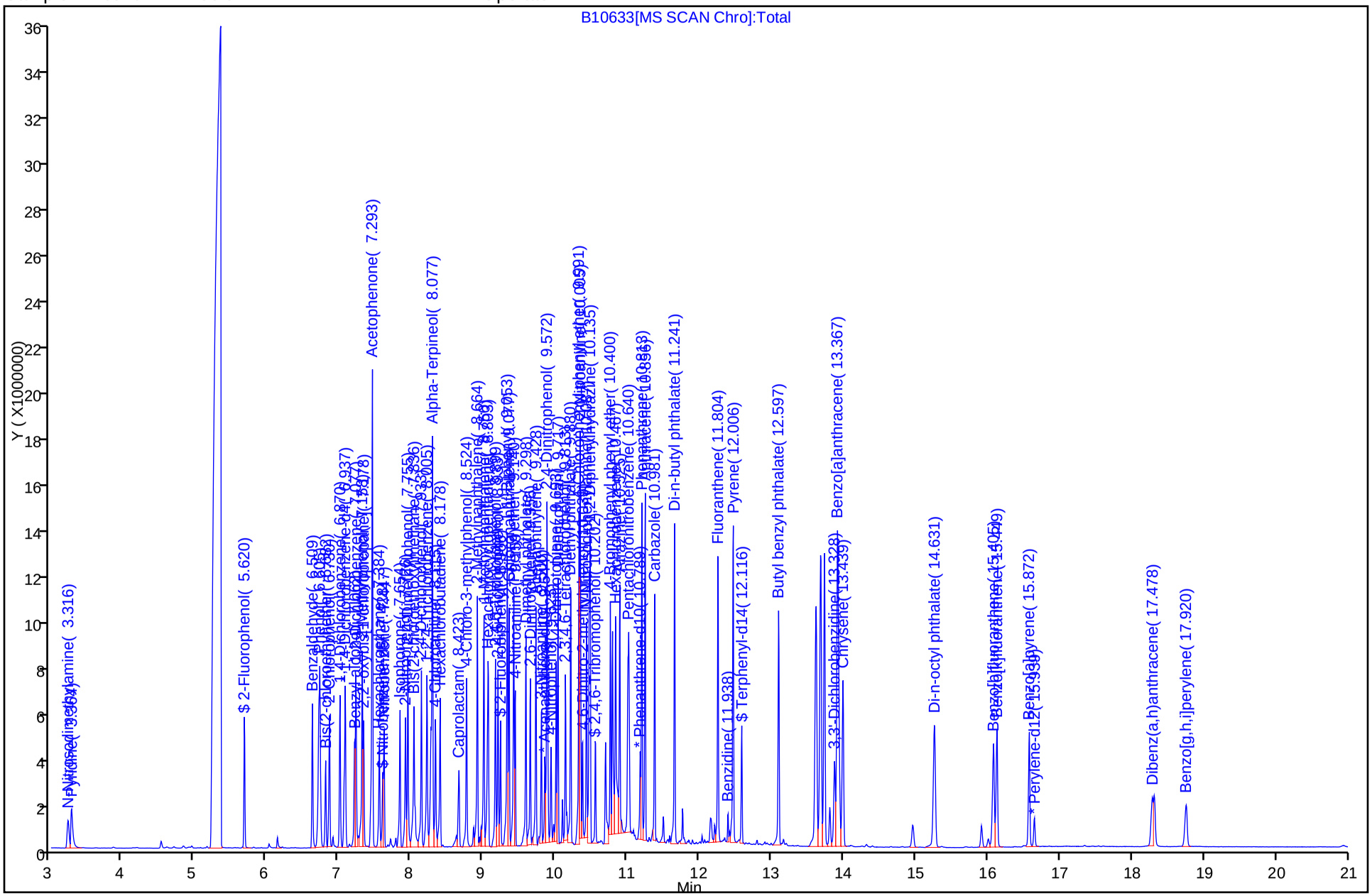
Inj Date: 29-Sep-2009 22:44:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49685 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-49345/3-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: B10708.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.02(g) | Date Analyzed: 10/03/2009 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	267	J	370	110
95-94-3	1,2,4,5-Tetrachlorobenzene	266	J	370	110
120-82-1	1,2,4-Trichlorobenzene	239	J	370	110
95-50-1	1,2-Dichlorobenzene	229	J	370	110
541-73-1	1,3-Dichlorobenzene	227	J	370	110
106-46-7	1,4-Dichlorobenzene	222	J	370	110
90-12-0	1-Methylnaphthalene	258	J	370	110
108-60-1	2,2'-oxybis[1-chloropropane]	250	J	370	110
58-90-2	2,3,4,6-Tetrachlorophenol	261	J	370	110
95-95-4	2,4,5-Trichlorophenol	240	J	370	110
88-06-2	2,4,6-Trichlorophenol	255	J	370	110
120-83-2	2,4-Dichlorophenol	250	J	370	110
105-67-9	2,4-Dimethylphenol	265	J	370	140
51-28-5	2,4-Dinitrophenol	695		370	110
121-14-2	2,4-Dinitrotoluene	230	J	370	110
606-20-2	2,6-Dinitrotoluene	244	J	370	110
91-58-7	2-Chloronaphthalene	197	J	370	110
95-57-8	2-Chlorophenol	253	J	370	110
91-57-6	2-Methylnaphthalene	251	J	370	110
95-48-7	2-Methylphenol	239	J	370	220
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	270	J	370	110
15831-10-4	3 & 4 Methylphenol	251	J	370	110
91-94-1	3,3'-Dichlorobenzidine	ND		730	110
99-09-2	3-Nitroaniline	128	J	1800	110
534-52-1	4,6-Dinitro-2-methylphenol	320	J	1800	110
101-55-3	4-Bromophenyl phenyl ether	251	J	370	110
59-50-7	4-Chloro-3-methylphenol	237	J	730	110
106-47-8	4-Chloroaniline	ND		730	110
7005-72-3	4-Chlorophenyl phenyl ether	241	J	370	110
100-01-6	4-Nitroaniline	269	J	1800	110
100-02-7	4-Nitrophenol	284	J	1800	110
83-32-9	Acenaphthene	275	J	370	110
208-96-8	Acenaphthylene	241	J	370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: B10708.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.02(g) | Date Analyzed: 10/03/2009 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	256	J	370	110
62-53-3	Aniline	ND		370	110
120-12-7	Anthracene	302	J	370	110
1912-24-9	Atrazine	344	J	370	110
103-33-3	Azobenzene	260	J	370	110
100-52-7	Benzaldehyde	487		370	110
56-55-3	Benzo[a]anthracene	425		370	110
50-32-8	Benzo[a]pyrene	426		370	110
205-99-2	Benzo[b]fluoranthene	501		370	110
191-24-2	Benzo[g,h,i]perylene	350	J	370	110
207-08-9	Benzo[k]fluoranthene	417		370	110
65-85-0	Benzoic acid	922	J	1800	160
119-61-9	Benzophenone	259	J	370	110
100-51-6	Benzyl alcohol	ND		730	310
111-91-1	Bis(2-chloroethoxy)methane	242	J	370	110
111-44-4	Bis(2-chloroethyl)ether	236	J	370	110
117-81-7	Bis(2-ethylhexyl) phthalate	666		370	110
85-68-7	Butyl benzyl phthalate	314	J	370	110
105-60-2	Caprolactam	271	J	370	110
86-74-8	Carbazole	305	J	370	110
218-01-9	Chrysene	529		370	110
53-70-3	Dibenz(a,h)anthracene	299	J	370	110
132-64-9	Dibenzofuran	250	J	370	110
84-66-2	Diethyl phthalate	255	J	370	110
131-11-3	Dimethyl phthalate	289	J	370	110
84-74-2	Di-n-butyl phthalate	ND		370	320
117-84-0	Di-n-octyl phthalate	302	J	370	180
101-84-8	Diphenyl oxide	270	J	370	110
206-44-0	Fluoranthene	614		370	110
86-73-7	Fluorene	416		370	110
118-74-1	Hexachlorobenzene	237	J	370	110
87-68-3	Hexachlorobutadiene	225	J	370	110
77-47-4	Hexachlorocyclopentadiene	267	J	730	110
67-72-1	Hexachloroethane	212	J	370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: B10708.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.02(g) | Date Analyzed: 10/03/2009 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	390		370	110
78-59-1	Isophorone	207	J	370	110
91-20-3	Naphthalene	244	J	880	110
98-95-3	Nitrobenzene	235	J	370	110
62-75-9	N-Nitrosodimethylamine	238	J	370	130
621-64-7	N-Nitrosodi-n-propylamine	250	J	370	110
86-30-6	N-Nitrosodiphenylamine	197	J	370	110
87-86-5	Pentachlorophenol	460		370	110
85-01-8	Phenanthrene	390	J	440	110
108-95-2	Phenol	254	J	370	110
129-00-0	Pyrene	561		370	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	69	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	64	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10708.D		
Lims ID:	360-24582-A-22-K MS	Client ID:	OC-SS-416-0.0/1.0-XMS
Inject. Date:	03-Oct-2009 23:19:30	Dil. Factor:	10.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	24582-22 ms 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49826	Lims Sample ID:	40
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	07-Oct-2009 08:29:50	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	07-Oct-2009 08:29:50

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

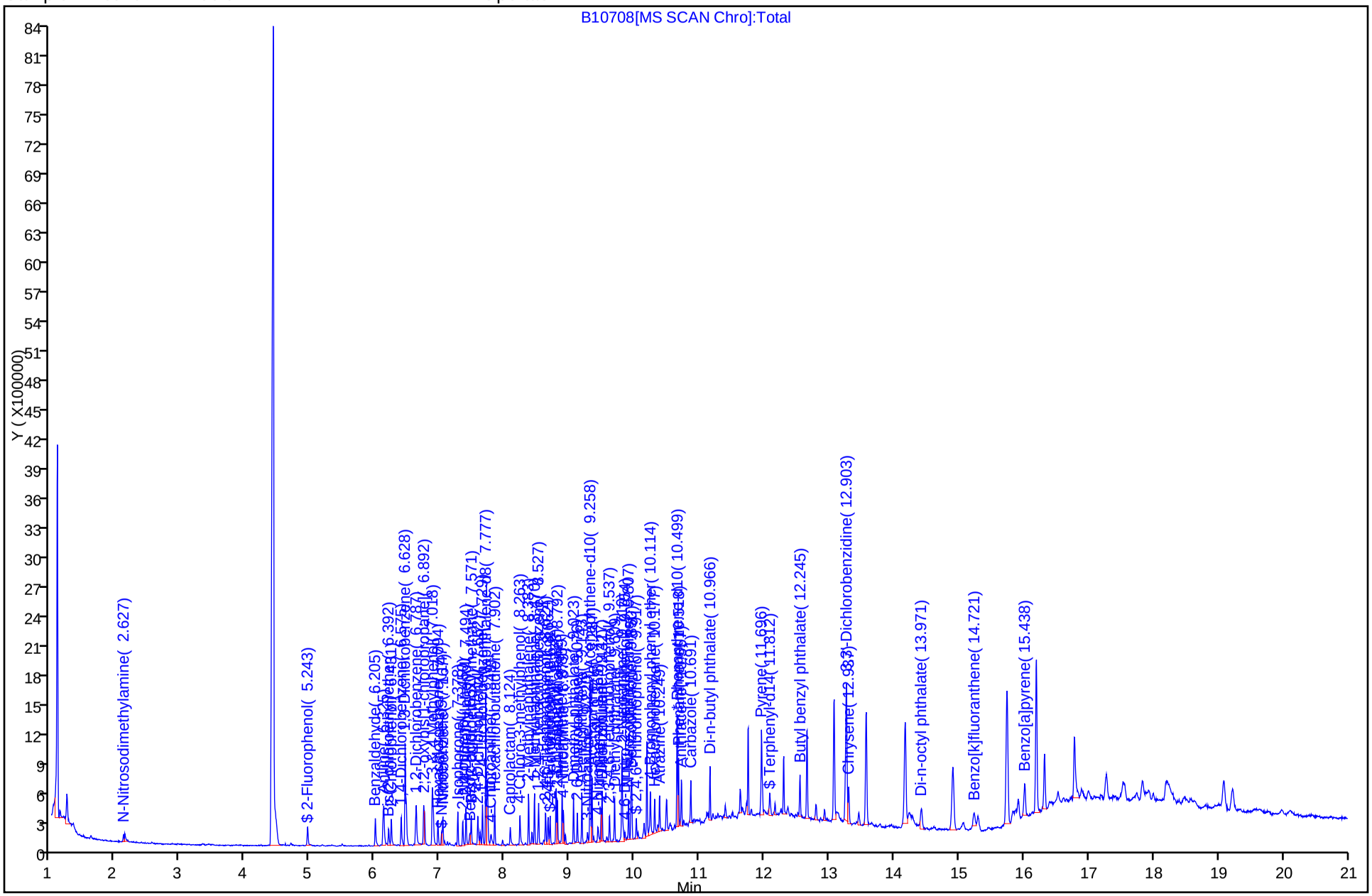
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.628	6.632	-0.004	215655	2.00	
* 2 Naphthalene-d8	136	7.777	7.777	0.000	493947	2.00	
* 3 Acenaphthene-d10	164	9.258	9.263	-0.005	231945	2.00	
* 4 Phenanthrene-d10	188	10.499	10.499	0.000	341109	2.00	
* 5 Chrysene-d12	240	12.903	12.903	0.000	232849	2.00	
* 6 Perylene-d12	264	15.443	15.432	0.011	163287	2.00	
$ 7 2-Fluorophenol	112	5.243	5.218	0.025	45298	0.6888	
$ 8 Phenol-d5	99	6.315	6.310	0.005	61013	0.6670	
$ 9 Nitrobenzene-d5	82	7.147	7.147	0.000	29697	0.3040	
$ 10 2-Fluorobiphenyl	172	8.691	8.690	0.001	59917	0.3273	
$ 11 2,4,6-Tribromophenol	330	9.917	9.917	0.000	9250	0.6844	
$ 12 Terphenyl-d14	244	11.812	11.816	-0.004	33493	0.3186	
15 N-Nitrosodimethylamine	42	2.627	2.622	0.005	42525	0.6510	
17 Benzaldehyde	105	6.205	6.209	-0.004	45107	1.33	
19 Aniline	93	6.325	6.320	0.005	13174	0.1146	
18 Phenol	94	6.325	6.320	0.005	73967	0.6950	
20 Bis(2-chloroethyl)ether	93	6.397	6.397	0.000	47324	0.6473	
21 2-Chlorophenol	128	6.431	6.430	0.001	57379	0.6939	
22 1,4-Dichlorobenzene	146	6.575	6.575	0.000	58559	0.6089	
23 1,3-Dichlorobenzene	146	6.647	6.647	0.000	63293	0.6229	
24 Benzyl alcohol	79	6.777	6.777	0.001	43628	0.7454	
25 1,2-Dichlorobenzene	146	6.787	6.786	0.001	57838	0.6278	
26 2-Methylphenol	108	6.892	6.887	0.005	47737	0.6538	
27 2,2'-oxybis[1-chloropropane]	45	6.907	6.906	0.001	95294	0.6835	
30 Acetophenone	105	7.013	7.017	-0.004	77120	0.7004	
29 N-Nitrosodi-n-propylamine	70	7.022	7.022	0.000	41300	0.6834	
28 3 & 4 Methylphenol	108	7.032	7.031	0.001	52403	0.6874	
31 Hexachloroethane	117	7.094	7.094	0.000	23267	0.5796	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.167	7.166	0.001	63256	0.6428	
33 Isophorone	82	7.378	7.378	0.000	87998	0.5664	
34 2-Nitrophenol	139	7.450	7.450	0.000	30523	0.7405	
35 2,4-Dimethylphenol	107	7.494	7.493	0.001	60898	0.7264	
36 Benzoic acid	105	7.551	7.560	-0.009	33528	2.53	
37 Bis(2-chloroethoxy)methane	93	7.571	7.570	0.001	57330	0.6632	
38 2,4-Dichlorophenol	162	7.662	7.661	0.001	44374	0.6842	
39 1,2,4-Trichlorobenzene	180	7.729	7.729	0.000	49395	0.6549	
41 Naphthalene	128	7.797	7.796	0.001	161037	0.6680	
42 4-Chloroaniline	127	7.845	7.844	0.001	18718	0.1894	
43 Hexachlorobutadiene	225	7.902	7.902	0.000	26936	0.6171	
44 Caprolactam	55	8.124	8.133	-0.009	25402	0.7421	
45 4-Chloro-3-methylphenol	107	8.263	8.258	0.005	46072	0.6478	
46 2-Methylnaphthalene	142	8.383	8.387	-0.004	107468	0.6873	
47 1-Methylnaphthalene	142	8.470	8.469	0.001	108368	0.7062	
48 Hexachlorocyclopentadiene	237	8.518	8.517	0.001	7654	0.7317	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	45011	0.7283	
50 2,4,6-Trichlorophenol	196	8.628	8.628	0.000	30782	0.6975	
51 2,4,5-Trichlorophenol	196	8.662	8.657	0.005	29579	0.6564	
52 1,1'-Biphenyl	154	8.778	8.777	0.001	140148	0.7314	
53 2-Chloronaphthalene	162	8.797	8.796	0.001	97313	0.5397	
54 Phenyl ether	170	8.864	8.864	0.000	72124	0.7380	
68 4-Nitroaniline	138	8.883	8.883	0.000	37338	0.7362	
56 Dimethyl phthalate	163	9.023	9.027	-0.004	134631	0.7921	
57 2,6-Dinitrotoluene	165	9.080	9.080	0.000	25428	0.6668	
58 Acenaphthylene	152	9.143	9.142	0.001	152417	0.6608	
59 3-Nitroaniline	138	9.225	9.219	0.006	13711	0.3494	
61 Acenaphthene	153	9.287	9.287	0.000	117677	0.7522	
60 2,4-Dinitrophenol	184	9.311	9.311	0.000	4268	1.90	
62 4-Nitrophenol	109	9.369	9.359	0.010	18690	0.7773	
63 2,4-Dinitrotoluene	165	9.417	9.417	0.000	30066	0.6288	
64 Dibenzofuran	168	9.432	9.431	0.001	135842	0.6837	
65 2,3,4,6-Tetrachlorophenol	232	9.537	9.532	0.005	20286	0.7142	
66 Diethyl phthalate	149	9.609	9.609	0.000	121357	0.6990	
67 4-Chlorophenyl phenyl ether	204	9.710	9.710	0.000	51962	0.6591	
69 Fluorene	166	9.715	9.715	0.000	129556	1.14	
55 2-Nitroaniline	65	9.730	9.729	0.001	11133	0.2335	
70 4,6-Dinitro-2-methylphenol	198	9.759	9.753	0.006	8196	0.8762	
72 N-Nitrosodiphenylamine	169	9.807	9.811	-0.004	72959	0.5402	
74 Azobenzene	77	9.840	9.845	-0.005	205263	0.7120	
13 Benzophenone	105	9.850	9.854	-0.004	111395	0.7093	
75 4-Bromophenyl phenyl ether	248	10.119	10.119	0.000	25462	0.6879	
76 Hexachlorobenzene	284	10.177	10.176	0.001	22252	0.6483	
77 Atrazine	200	10.249	10.248	0.001	30549	0.9412	
78 Pentachlorophenol	266	10.340	10.340	0.000	11968	1.26	
80 Phenanthrene	178	10.518	10.518	0.000	215222	1.07	
81 Anthracene	178	10.557	10.556	0.001	157920	0.8282	
83 Carbazole	167	10.691	10.691	0.000	138078	0.8343	
84 Di-n-butyl phthalate	149	10.966	10.965	0.001	211883	0.8483	
87 Fluoranthene	202	11.509	11.504	0.005	295627	1.68	
85 Pyrene	202	11.696	11.696	0.000	270538	1.54	
89 Butyl benzyl phthalate	149	12.245	12.244	0.001	80174	0.8611	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	12.851	12.850	0.001	430	0.0133	
93 Benzo[a]anthracene	228	12.889	12.888	0.001	134033	1.16	
92 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	257234	1.82	
94 Chrysene	228	12.937	12.937	0.000	159023	1.45	
95 Di-n-octyl phthalate	149	13.966	13.970	-0.004	161630	0.8261	
97 Benzo[b]fluoranthene	252	14.716	14.716	0.000	142123	1.37	
98 Benzo[k]fluoranthene	252	14.779	14.774	0.005	105071	1.14	
99 Benzo[a]pyrene	252	15.351	15.346	0.005	93846	1.17	
100 Indeno[1,2,3-cd]pyrene	276	16.832	16.827	0.005	81238	1.07	
101 Dibenz(a,h)anthracene	278	16.866	16.861	0.005	52458	0.8185	
102 Benzo[g,h,i]perylene	276	17.207	17.202	0.005	64958	0.9592	

Report Date: 07-Oct-2009 08:29:51 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10708.D		
Inj Date:	03-Oct-2009 23:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	40
Client ID:	OC-SS-416-0.0/1.0-XMS	Instrument:	Inst. B
Sample Info:	24582-22 ms 10x		
Sample Amount:	1.00 ul	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: B10709.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.31(g) | Date Analyzed: 10/03/2009 23:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	253	J	360	110
95-94-3	1,2,4,5-Tetrachlorobenzene	255	J	360	110
120-82-1	1,2,4-Trichlorobenzene	229	J	360	110
95-50-1	1,2-Dichlorobenzene	238	J	360	110
541-73-1	1,3-Dichlorobenzene	209	J	360	110
106-46-7	1,4-Dichlorobenzene	216	J	360	110
90-12-0	1-Methylnaphthalene	246	J	360	110
108-60-1	2,2'-oxybis[1-chloropropane]	248	J	360	110
58-90-2	2,3,4,6-Tetrachlorophenol	260	J	360	110
95-95-4	2,4,5-Trichlorophenol	267	J	360	110
88-06-2	2,4,6-Trichlorophenol	260	J	360	110
120-83-2	2,4-Dichlorophenol	262	J	360	110
105-67-9	2,4-Dimethylphenol	258	J	360	140
51-28-5	2,4-Dinitrophenol	669		360	110
121-14-2	2,4-Dinitrotoluene	236	J	360	110
606-20-2	2,6-Dinitrotoluene	240	J	360	110
91-58-7	2-Chloronaphthalene	193	J	360	110
95-57-8	2-Chlorophenol	238	J	360	110
91-57-6	2-Methylnaphthalene	253	J	360	110
95-48-7	2-Methylphenol	237	J	360	220
88-74-4	2-Nitroaniline	ND		1800	110
88-75-5	2-Nitrophenol	256	J	360	110
15831-10-4	3 & 4 Methylphenol	228	J	360	110
91-94-1	3,3'-Dichlorobenzidine	ND		720	110
99-09-2	3-Nitroaniline	277	J	1800	110
534-52-1	4,6-Dinitro-2-methylphenol	277	J	1800	110
101-55-3	4-Bromophenyl phenyl ether	244	J	360	110
59-50-7	4-Chloro-3-methylphenol	266	J	720	110
106-47-8	4-Chloroaniline	ND		720	110
7005-72-3	4-Chlorophenyl phenyl ether	235	J	360	110
100-01-6	4-Nitroaniline	251	J	1800	110
100-02-7	4-Nitrophenol	310	J	1800	110
83-32-9	Acenaphthene	270	J	360	110
208-96-8	Acenaphthylene	230	J	360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: B10709.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.31(g) | Date Analyzed: 10/03/2009 23:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	260	J	360	110
62-53-3	Aniline	ND		360	110
120-12-7	Anthracene	303	J	360	110
1912-24-9	Atrazine	326	J	360	110
103-33-3	Azobenzene	251	J	360	110
100-52-7	Benzaldehyde	490		360	110
56-55-3	Benzo[a]anthracene	414		360	110
50-32-8	Benzo[a]pyrene	394		360	110
205-99-2	Benzo[b]fluoranthene	486		360	110
191-24-2	Benzo[g,h,i]perylene	352	J	360	110
207-08-9	Benzo[k]fluoranthene	391		360	110
65-85-0	Benzoic acid	905	J	1800	160
119-61-9	Benzophenone	241	J	360	110
100-51-6	Benzyl alcohol	ND		720	310
111-91-1	Bis(2-chloroethoxy)methane	227	J	360	110
111-44-4	Bis(2-chloroethyl)ether	218	J	360	110
117-81-7	Bis(2-ethylhexyl) phthalate	914		360	110
85-68-7	Butyl benzyl phthalate	322	J	360	110
105-60-2	Caprolactam	266	J	360	110
86-74-8	Carbazole	303	J	360	110
218-01-9	Chrysene	526		360	110
53-70-3	Dibenz(a,h)anthracene	322	J	360	110
132-64-9	Dibenzofuran	244	J	360	110
84-66-2	Diethyl phthalate	254	J	360	110
131-11-3	Dimethyl phthalate	282	J	360	110
84-74-2	Di-n-butyl phthalate	324	J	360	320
117-84-0	Di-n-octyl phthalate	289	J	360	180
101-84-8	Diphenyl oxide	270	J	360	110
206-44-0	Fluoranthene	614		360	110
86-73-7	Fluorene	406		360	110
118-74-1	Hexachlorobenzene	235	J	360	110
87-68-3	Hexachlorobutadiene	214	J	360	110
77-47-4	Hexachlorocyclopentadiene	236	J	720	110
67-72-1	Hexachloroethane	186	J	360	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: B10709.D

Analysis Method: 8270C LL | Date Collected: 09/15/2009 12:40

Extract. Method: 3546 | Date Extracted: 09/23/2009 11:39

Sample wt/vol: 30.31(g) | Date Analyzed: 10/03/2009 23:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49826 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	369		360	110
78-59-1	Isophorone	206	J	360	110
91-20-3	Naphthalene	236	J	870	110
98-95-3	Nitrobenzene	225	J	360	110
62-75-9	N-Nitrosodimethylamine	212	J	360	130
621-64-7	N-Nitrosodi-n-propylamine	231	J	360	110
86-30-6	N-Nitrosodiphenylamine	228	J	360	110
87-86-5	Pentachlorophenol	460		360	110
85-01-8	Phenanthrene	390	J	430	110
108-95-2	Phenol	237	J	360	110
129-00-0	Pyrene	575		360	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	64	30-130	
1718-51-0	Terphenyl-d14	62	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10709.D		
Lims ID:	360-24582-A-22-L MSD	Client ID:	OC-SS-416-0.0/1.0-MSD
Inject. Date:	03-Oct-2009 23:47:30	Dil. Factor:	10.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	24582-22 msd 10x		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49826	Lims Sample ID:	41
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\8270B.m		
Last Update:	07-Oct-2009 08:31:14	Calib Date:	03-Oct-2009 20:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10702.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 08:31:14

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

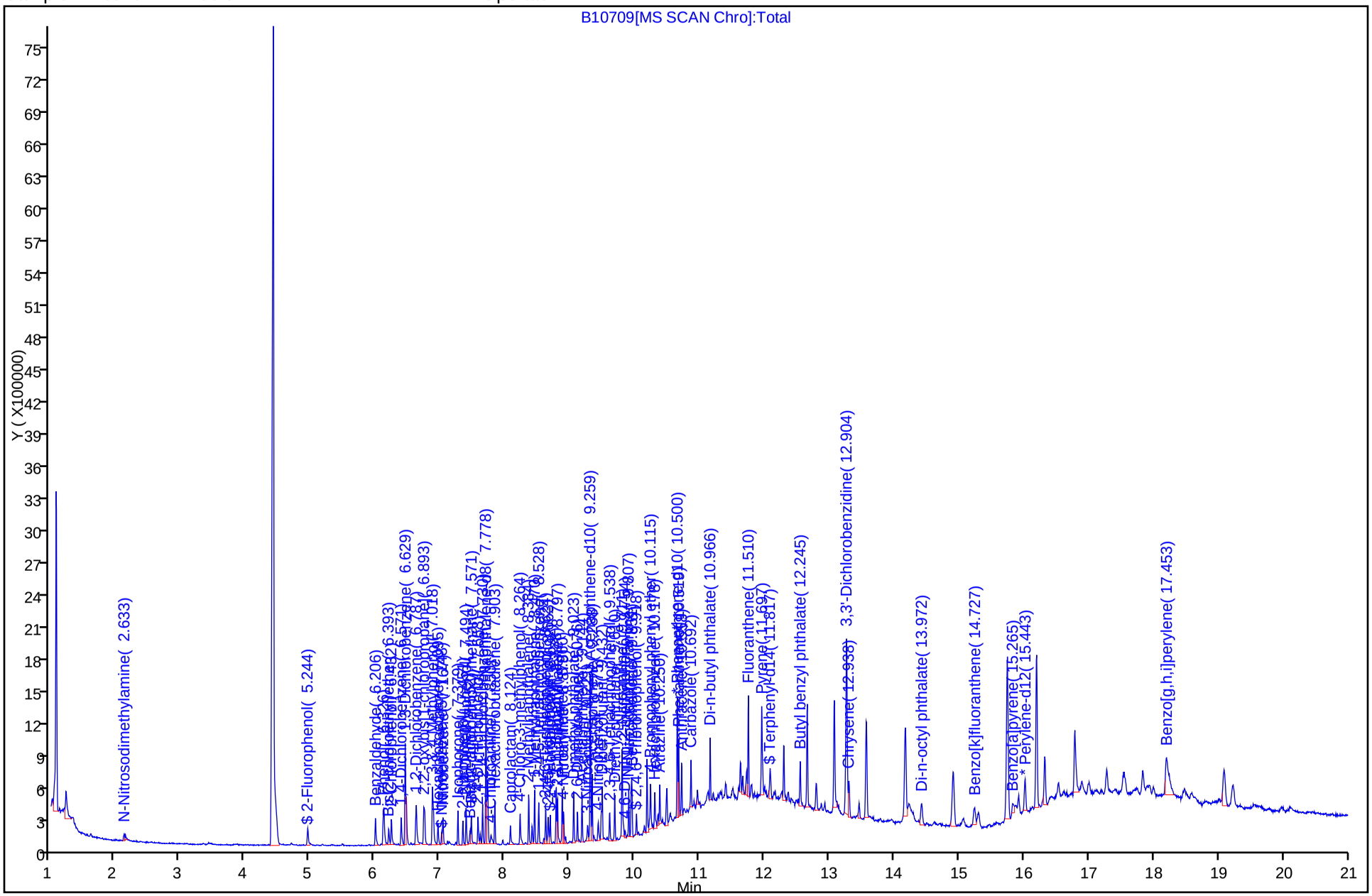
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.629	6.632	-0.003	203746	2.00	
* 2 Naphthalene-d8	136	7.778	7.777	0.001	463712	2.00	
* 3 Acenaphthene-d10	164	9.259	9.263	-0.004	222007	2.00	
* 4 Phenanthrene-d10	188	10.500	10.499	0.001	326459	2.00	
* 5 Chrysene-d12	240	12.904	12.903	0.001	221093	2.00	
* 6 Perylene-d12	264	15.443	15.432	0.011	155861	2.00	
$ 7 2-Fluorophenol	112	5.244	5.218	0.026	38458	0.6189	
$ 8 Phenol-d5	99	6.316	6.310	0.006	55660	0.6441	
$ 9 Nitrobenzene-d5	82	7.148	7.147	0.001	30167	0.3290	
$ 10 2-Fluorobiphenyl	172	8.692	8.690	0.002	56313	0.3214	
$ 11 2,4,6-Tribromophenol	330	9.918	9.917	0.001	9238	0.7142	
$ 12 Terphenyl-d14	244	11.817	11.816	0.001	30941	0.3100	
15 N-Nitrosodimethylamine	42	2.633	2.622	0.011	36246	0.5873	
17 Benzaldehyde	105	6.206	6.209	-0.003	43298	1.35	
19 Aniline	93	6.321	6.320	0.001	11520	0.1061	
18 Phenol	94	6.326	6.320	0.006	65922	0.6556	
20 Bis(2-chloroethyl)ether	93	6.393	6.397	-0.004	41624	0.6027	
21 2-Chlorophenol	128	6.436	6.430	0.006	51363	0.6575	
22 1,4-Dichlorobenzene	146	6.571	6.575	-0.004	54159	0.5960	
23 1,3-Dichlorobenzene	146	6.648	6.647	0.001	55383	0.5769	
24 Benzyl alcohol	79	6.778	6.777	0.002	43838	0.7885	
25 1,2-Dichlorobenzene	146	6.787	6.786	0.001	57363	0.6590	
26 2-Methylphenol	108	6.893	6.887	0.006	45182	0.6549	
27 2,2'-oxybis[1-chloropropane]	45	6.908	6.906	0.002	90327	0.6857	
30 Acetophenone	105	7.013	7.017	-0.004	74840	0.7194	
29 N-Nitrosodi-n-propylamine	70	7.023	7.022	0.001	36519	0.6396	
28 3 & 4 Methylphenol	108	7.033	7.031	0.002	45445	0.6310	
31 Hexachloroethane	117	7.095	7.094	0.001	19476	0.5136	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.167	7.166	0.001	57416	0.6215	
33 Isophorone	82	7.379	7.378	0.001	82962	0.5688	
34 2-Nitrophenol	139	7.451	7.450	0.001	27335	0.7064	
35 2,4-Dimethylphenol	107	7.494	7.493	0.001	56164	0.7136	
36 Benzoic acid	105	7.552	7.560	-0.008	30897	2.50	
37 Bis(2-chloroethoxy)methane	93	7.571	7.570	0.001	50904	0.6273	
38 2,4-Dichlorophenol	162	7.663	7.661	0.002	44158	0.7252	
39 1,2,4-Trichlorobenzene	180	7.730	7.729	0.001	44805	0.6327	
41 Naphthalene	128	7.797	7.796	0.001	147713	0.6527	
42 4-Chloroaniline	127	7.845	7.844	0.001	17494	0.1886	
43 Hexachlorobutadiene	225	7.903	7.902	0.001	24194	0.5904	
44 Caprolactam	55	8.124	8.133	-0.009	23630	0.7358	
45 4-Chloro-3-methylphenol	107	8.264	8.258	0.006	49007	0.7340	
46 2-Methylnaphthalene	142	8.384	8.387	-0.003	102528	0.6985	
47 1-Methylnaphthalene	142	8.470	8.469	0.001	97823	0.6791	
48 Hexachlorocyclopentadiene	237	8.519	8.517	0.002	4509	0.6534	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	40896	0.7048	
50 2,4,6-Trichlorophenol	196	8.629	8.628	0.001	30331	0.7181	
51 2,4,5-Trichlorophenol	196	8.663	8.657	0.006	31854	0.7385	
52 1,1'-Biphenyl	154	8.778	8.777	0.001	128176	0.6989	
53 2-Chloronaphthalene	162	8.797	8.796	0.001	92221	0.5343	
54 Phenyl ether	170	8.865	8.864	0.001	68580	0.7475	
68 4-Nitroaniline	138	8.884	8.883	0.001	33739	0.6950	
56 Dimethyl phthalate	163	9.023	9.027	-0.004	126899	0.7801	
57 2,6-Dinitrotoluene	165	9.081	9.080	0.001	24265	0.6648	
58 Acenaphthylene	152	9.144	9.142	0.002	140452	0.6362	
59 3-Nitroaniline	138	9.225	9.219	0.006	28767	0.7659	
61 Acenaphthene	153	9.288	9.287	0.001	111645	0.7456	
60 2,4-Dinitrophenol	184	9.312	9.311	0.001	3223	1.85	
62 4-Nitrophenol	109	9.375	9.359	0.016	20409	0.8572	
63 2,4-Dinitrotoluene	165	9.418	9.417	0.001	30050	0.6528	
64 Dibenzofuran	168	9.432	9.431	0.001	128057	0.6733	
65 2,3,4,6-Tetrachlorophenol	232	9.538	9.532	0.006	19591	0.7199	
66 Diethyl phthalate	149	9.610	9.609	0.001	116533	0.7012	
67 4-Chlorophenyl phenyl ether	204	9.711	9.710	0.001	48953	0.6488	
69 Fluorene	166	9.716	9.715	0.001	120517	1.12	
55 2-Nitroaniline	65	9.730	9.729	0.001	12965	0.2841	
70 4,6-Dinitro-2-methylphenol	198	9.759	9.753	0.006	5802	0.7656	
72 N-Nitrosodiphenylamine	169	9.807	9.811	-0.004	81637	0.6315	
74 Azobenzene	77	9.846	9.845	0.001	191355	0.6935	
13 Benzophenone	105	9.851	9.854	-0.003	99964	0.6651	
75 4-Bromophenyl phenyl ether	248	10.120	10.119	0.001	23908	0.6749	
76 Hexachlorobenzene	284	10.178	10.176	0.002	21386	0.6510	
77 Atrazine	200	10.250	10.248	0.002	27962	0.9001	
78 Pentachlorophenol	266	10.341	10.340	0.001	11609	1.27	
80 Phenanthrene	178	10.519	10.518	0.001	208049	1.08	
81 Anthracene	178	10.558	10.556	0.002	152935	0.8381	
83 Carbazole	167	10.692	10.691	0.001	132839	0.8386	
84 Di-n-butyl phthalate	149	10.966	10.965	0.001	213927	0.8949	
87 Fluoranthene	202	11.510	11.504	0.006	285726	1.70	
85 Pyrene	202	11.697	11.696	0.001	265911	1.59	
89 Butyl benzyl phthalate	149	12.245	12.244	0.001	78687	0.8901	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	12.846	12.850	-0.004	580	0.0189	
93 Benzo[a]anthracene	228	12.890	12.888	0.002	125183	1.14	
92 Bis(2-ethylhexyl) phthalate	149	12.909	12.903	0.006	335452	2.53	
94 Chrysene	228	12.938	12.937	0.001	151625	1.45	
95 Di-n-octyl phthalate	149	13.972	13.970	0.002	148387	0.7983	
97 Benzo[b]fluoranthene	252	14.722	14.716	0.006	132688	1.34	
98 Benzo[k]fluoranthene	252	14.780	14.774	0.006	95044	1.08	
99 Benzo[a]pyrene	252	15.352	15.346	0.006	83715	1.09	
100 Indeno[1,2,3-cd]pyrene	276	16.833	16.827	0.006	74185	1.02	
101 Dibenz(a,h)anthracene	278	16.867	16.861	0.006	54472	0.8904	
102 Benzo[g,h,i]perylene	276	17.208	17.202	0.006	62831	0.9720	

Report Date: 07-Oct-2009 08:31:15 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091005-1.b\B10709.D		
Inj Date:	03-Oct-2009 23:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49826	Lims Sample ID:	41
Client ID:	OC-SS-416-0.0/1.0-MSD	Instrument:	Inst. B
Sample Info:	24582-22 msd 10x		
Sample Amount:	1.00 ul	Operator:	MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. B Start Date: 09/25/2009 16:56

Analysis Batch Number: 49509 End Date: 09/25/2009 21:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49509/1		09/25/2009 16:56	1	B10545.D	Rtx-5ms 0.25(um)
STD5 360-49509/2 ICIS		09/25/2009 17:23	1	B10546.D	Rtx-5ms 0.25(um)
STD01 360-49509/3 IC		09/25/2009 17:51	1	B10547.D	Rtx-5ms 0.25(um)
STD025 360-49509/4 IC		09/25/2009 18:18	1	B10548.D	Rtx-5ms 0.25(um)
STD05 360-49509/5 IC		09/25/2009 18:46	1	B10549.D	Rtx-5ms 0.25(um)
STD1 360-49509/6 IC		09/25/2009 19:14	1	B10550.D	Rtx-5ms 0.25(um)
STD25 360-49509/7 IC		09/25/2009 19:41	1	B10551.D	Rtx-5ms 0.25(um)
STD8 360-49509/8 IC		09/25/2009 20:09	1	B10552.D	Rtx-5ms 0.25(um)
STD10 360-49509/9 IC		09/25/2009 20:37	1	B10553.D	Rtx-5ms 0.25(um)
STD20 360-49509/10 IC		09/25/2009 21:05	1	B10554.D	Rtx-5ms 0.25(um)
ICV 360-49509/11		09/25/2009 21:32	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. B Start Date: 09/25/2009 22:00

Analysis Batch Number: 49511 End Date: 09/26/2009 02:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49511/12		09/25/2009 22:00	1	B10556.D	Rtx-5ms 0.25(um)
CCV 360-49511/13 CCVIS		09/25/2009 22:28	1	B10557.D	Rtx-5ms 0.25(um)
MB 360-48980/1-A		09/25/2009 22:56	1	B10558.D	Rtx-5ms 0.25(um)
LCS 360-48980/2-A		09/25/2009 23:23	1	B10559.D	Rtx-5ms 0.25(um)
LCSD 360-48980/3-A		09/25/2009 23:51	1	B10560.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 00:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 00:46	1		Rtx-5ms 0.25(um)
360-24582-4	OC-EBK-010	09/26/2009 01:14	1	B10563.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 01:41	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 02:09	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 02:37	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. B Start Date: 09/29/2009 16:39

Analysis Batch Number: 49685 End Date: 09/29/2009 22:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49685/1		09/29/2009 16:39	1	B10620.D	Rtx-5ms 0.25(um)
STD5 360-49685/2 ICIS		09/29/2009 17:07	1	B10621.D	Rtx-5ms 0.25(um)
STD01 360-49685/3 IC		09/29/2009 17:35	1	B10622.D	Rtx-5ms 0.25(um)
STD025 360-49685/4 IC		09/29/2009 18:03	1	B10623.D	Rtx-5ms 0.25(um)
STD05 360-49685/5 IC		09/29/2009 18:31	1	B10624.D	Rtx-5ms 0.25(um)
STD1 360-49685/6 IC		09/29/2009 18:59	1	B10625.D	Rtx-5ms 0.25(um)
STD25 360-49685/7 IC		09/29/2009 19:27	1	B10626.D	Rtx-5ms 0.25(um)
STD8 360-49685/8 IC		09/29/2009 19:55	1	B10627.D	Rtx-5ms 0.25(um)
STD10 360-49685/9 IC		09/29/2009 20:23	1	B10628.D	Rtx-5ms 0.25(um)
STD20 360-49685/10 IC		09/29/2009 20:52	1	B10629.D	Rtx-5ms 0.25(um)
ICV 360-49685/11		09/29/2009 21:20	1		Rtx-5ms 0.25(um)
MB 360-49345/1-A		09/29/2009 21:47	1	B10631.D	Rtx-5ms 0.25(um)
LCS 360-49345/2-A		09/29/2009 22:16	1	B10632.D	Rtx-5ms 0.25(um)
LCSD 360-49345/3-A		09/29/2009 22:44	1	B10633.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. B Start Date: 10/03/2009 16:24

Analysis Batch Number: 49824 End Date: 10/03/2009 21:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49824/1		10/03/2009 16:24	1	B10693a.D	Rtx-5ms 0.25(um)
STD5 360-49824/2 ICIS		10/03/2009 16:51	1	B10694a.D	Rtx-5ms 0.25(um)
STD01 360-49824/3 IC		10/03/2009 17:19	1	B10695a.D	Rtx-5ms 0.25(um)
STD025 360-49824/4 IC		10/03/2009 17:47	1	B10696.D	Rtx-5ms 0.25(um)
STD05 360-49824/5 IC		10/03/2009 18:14	1	B10697.D	Rtx-5ms 0.25(um)
STD1 360-49824/6 IC		10/03/2009 18:42	1	B10698.D	Rtx-5ms 0.25(um)
STD25 360-49824/7 IC		10/03/2009 19:10	1	B10699.D	Rtx-5ms 0.25(um)
STD8 360-49824/8 IC		10/03/2009 19:37	1	B10700.D	Rtx-5ms 0.25(um)
STD10 360-49824/9 IC		10/03/2009 20:05	1	B10701.D	Rtx-5ms 0.25(um)
STD20 360-49824/10 IC		10/03/2009 20:33	1	B10702.D	Rtx-5ms 0.25(um)
ICV 360-49824/11		10/03/2009 21:00	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. B Start Date: 10/03/2009 21:28

Analysis Batch Number: 49826 End Date: 10/04/2009 07:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49826/15		10/03/2009 21:28	1	B10704.D	Rtx-5ms 0.25(um)
CCV 360-49826/16 CCVIS		10/03/2009 21:56	1	B10705.D	Rtx-5ms 0.25(um)
360-24582-21	OC-SS-416-0.0/1.0-DUP	10/03/2009 22:23	10	B10706.D	Rtx-5ms 0.25(um)
360-24582-22	OC-SS-416-0.0/1.0-XXX	10/03/2009 22:51	10	B10707.D	Rtx-5ms 0.25(um)
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	10/03/2009 23:19	10	B10708.D	Rtx-5ms 0.25(um)
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	10/03/2009 23:47	10	B10709.D	Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 00:14	10		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 00:42	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 01:10	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 01:37	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 02:05	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 02:33	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 03:01	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 03:28	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 03:56	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 04:24	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 04:51	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 05:19	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 05:47	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 06:14	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 06:42	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 07:10	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. J Start Date: 09/23/2009 14:44

Analysis Batch Number: 49396 End Date: 09/23/2009 21:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49396/1		09/23/2009 14:44	1	J03090.D	Rtx-5ms 0.25(um)
STD5 360-49396/2 ICIS		09/23/2009 16:23	1	J03091.D	Rtx-5ms 0.25(um)
STD01 360-49396/3 IC		09/23/2009 16:56	1	J03092.D	Rtx-5ms 0.25(um)
STD025 360-49396/4 IC		09/23/2009 17:29	1	J03093.D	Rtx-5ms 0.25(um)
STD05 360-49396/5 IC		09/23/2009 18:02	1	J03094.D	Rtx-5ms 0.25(um)
STD1 360-49396/6 IC		09/23/2009 18:35	1	J03095.D	Rtx-5ms 0.25(um)
STD25 360-49396/7 IC		09/23/2009 19:08	1	J03096.D	Rtx-5ms 0.25(um)
STD8 360-49396/8 IC		09/23/2009 19:41	1	J03097.D	Rtx-5ms 0.25(um)
STD10 360-49396/9 IC		09/23/2009 20:14	1	J03098.D	Rtx-5ms 0.25(um)
STD20 360-49396/10 IC		09/23/2009 20:48	1	J03099.D	Rtx-5ms 0.25(um)
ICV 360-49396/11		09/23/2009 21:21	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. J Start Date: 09/26/2009 12:31

Analysis Batch Number: 49520 End Date: 09/26/2009 23:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49520/1		09/26/2009 12:31	1	J03151.D	Rtx-5ms 0.25(um)
CCV 360-49520/2 CCVIS		09/26/2009 13:04	1	J03152.D	Rtx-5ms 0.25(um)
MB 360-49302/1-A		09/26/2009 13:36	1	J03153.D	Rtx-5ms 0.25(um)
LCS 360-49302/2-A		09/26/2009 14:09	1	J03154.D	Rtx-5ms 0.25(um)
LCSD 360-49302/3-A		09/26/2009 14:41	1	J03155.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 15:14	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 15:47	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 16:19	10		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 16:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 17:24	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 17:57	1		Rtx-5ms 0.25(um)
360-24582-1	OC-SB-457-28/30-XXX	09/26/2009 18:29	1	J03162.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 19:02	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 19:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 20:07	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 20:39	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 21:12	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 21:44	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 22:17	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 22:49	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 23:22	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 23:54	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. J Start Date: 09/28/2009 13:30

Analysis Batch Number: 49645 End Date: 09/28/2009 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49645/1		09/28/2009 13:30	1	J03182.D	Rtx-5ms 0.25(um)
STD5 360-49645/2 ICIS		09/28/2009 14:03	1	J03183.D	Rtx-5ms 0.25(um)
STD01 360-49645/3 IC		09/28/2009 14:36	1	J03184.D	Rtx-5ms 0.25(um)
STD025 360-49645/4 IC		09/28/2009 15:09	1	J03185.D	Rtx-5ms 0.25(um)
STD05 360-49645/5 IC		09/28/2009 15:42	1	J03186.D	Rtx-5ms 0.25(um)
STD1 360-49645/6 IC		09/28/2009 16:14	1	J03187.D	Rtx-5ms 0.25(um)
STD25 360-49645/7 IC		09/28/2009 16:47	1	J03188.D	Rtx-5ms 0.25(um)
STD8 360-49645/8 IC		09/28/2009 17:20	1	J03189.D	Rtx-5ms 0.25(um)
STD10 360-49645/9 IC		09/28/2009 17:53	1	J03190.D	Rtx-5ms 0.25(um)
STD20 360-49645/10 IC		09/28/2009 18:26	1	J03191.D	Rtx-5ms 0.25(um)
ICV 360-49645/11		09/28/2009 18:59	1	J03192.D	Rtx-5ms 0.25(um)
MB 360-49246/1-A		09/28/2009 19:32	1	J03193.D	Rtx-5ms 0.25(um)
LCS 360-49246/2-A		09/28/2009 20:05	1	J03194.D	Rtx-5ms 0.25(um)
LCSD 360-49246/3-A		09/28/2009 20:38	1	J03195.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. J Start Date: 09/28/2009 21:11

Analysis Batch Number: 49648 End Date: 09/29/2009 08:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49648/15		09/28/2009 21:11	1	J03196.D	Rtx-5ms 0.25(um)
CCV 360-49648/16 CCVIS		09/28/2009 21:45	1	J03197.D	Rtx-5ms 0.25(um)
ZZZZZ		09/28/2009 22:18	1		Rtx-5ms 0.25(um)
ZZZZZ		09/28/2009 22:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/28/2009 23:24	1		Rtx-5ms 0.25(um)
ZZZZZ		09/28/2009 23:57	1		Rtx-5ms 0.25(um)
ZZZZZ		09/29/2009 00:30	10		Rtx-5ms 0.25(um)
ZZZZZ		09/29/2009 01:03	1		Rtx-5ms 0.25(um)
360-24582-1	OC-SB-457-28/30-XXX	09/29/2009 01:37	1	J03204.D	Rtx-5ms 0.25(um)
360-24582-5	OC-SS-400-0.0/1.0-XXX	09/29/2009 02:10	10	J03205.D	Rtx-5ms 0.25(um)
360-24582-6	OC-SS-401-0.1/1.0-XXX	09/29/2009 02:43	10	J03206.D	Rtx-5ms 0.25(um)
360-24582-7	OC-SS-402-0.0/1.0-XXX	09/29/2009 03:16	10	J03207.D	Rtx-5ms 0.25(um)
360-24582-9	OC-SS-404-0.0/1.0-XXX	09/29/2009 03:49	10	J03208.D	Rtx-5ms 0.25(um)
360-24582-10	OC-SS-405-0.0/1.0-XXX	09/29/2009 04:22	10	J03209.D	Rtx-5ms 0.25(um)
360-24582-11	OC-SS-406-0.0/1.0. -XXX	09/29/2009 04:55	10	J03210.D	Rtx-5ms 0.25(um)
360-24582-12	OC-SS-407-0.0/1.0-XXX	09/29/2009 05:28	10	J03211.D	Rtx-5ms 0.25(um)
360-24582-13	OC-SS-408-0.0/1.0-XXX	09/29/2009 06:00	10	J03212.D	Rtx-5ms 0.25(um)
360-24582-14	OC-SS-409-0.0/1.0-XXX	09/29/2009 06:33	10	J03213.D	Rtx-5ms 0.25(um)
360-24582-16	OC-SS-411-0.0/1.0-XXX	09/29/2009 07:06	10	J03214.D	Rtx-5ms 0.25(um)
360-24582-17	OC-SS-412-0.0/1.0-XXX	09/29/2009 07:39	10	J03215.D	Rtx-5ms 0.25(um)
360-24582-19	OC-SS-414-0.0/1.0-XXX	09/29/2009 08:11	10	J03216.D	Rtx-5ms 0.25(um)
360-24582-20	OC-SS-415-0.0/1.0-XXX	09/29/2009 08:44	10	J03217.D	Rtx-5ms 0.25(um)

Organic Prep Worksheet

Batch Number: 360-48980
Method: 3510C
Analyst: Bilodeau, Brian R

Date Open: Sep 15 2009 2:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	pH of the sample after first adjustment	pH of the sample after the second adjust	ABN SURR_00010	OlinLCSextras_00001
MB~360-48980/1		3510C, 8270C LL		1000 mL	1.0 mL	1.3	13	50 uL	
LCS~360-48980/2		3510C, 8270C LL		1000 mL	1.0 mL	1.3	13	50 uL	.100 mL
LCSD~360-48980/3		3510C, 8270C LL		1000 mL	1.0 mL	1.3	13	50 uL	.100 mL
360-24454-D-18	OC-EBK-008		T	1000 mL	1.0 mL	1.3	13	50 uL	
360-24563-D-23	OC-EBK-009		T	1000 mL	1.0 mL	1.3	13	50 uL	
360-24582-D-4	OC-EBK-010	3510C, 8270C LL	T	1000 mL	1.0 mL	1.3	13	50 uL	

Organic Prep Worksheet

Batch Number: 360-48980
Method: 3510C
Analyst: Bilodeau, Brian R

Date Open: Sep 15 2009 2:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	OP-abnms_00063
MB~360-48980/1		3510C, 8270C LL		
LCS~360-48980/2		3510C, 8270C LL		100 uL
LCSD~360-48980/3		3510C, 8270C LL		100 uL
360-24454-D-18	OC-EBK-008		T	
360-24563-D-23	OC-EBK-009		T	
360-24582-D-4	OC-EBK-010	3510C, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-49246
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 21 2009 3:30PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00011	OlinLCSextras_00001	OP-abnms_00063
MB~360-49246/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49246/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49246/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24563-A-13	OC-SB-456-7.0/9.0-DUP		T	30.37 g	1.0 mL	50 uL		
360-24563-A-14	OC-SB-456-7.0/9.0-XXX		T	30.02 g	1.0 mL	50 uL		
360-24563-A-14~MS	OC-SB-456-7.0/9.0-XMS		T	30.19 g	1.0 mL	50 uL	.100 mL	100 uL
360-24563-A-14~MSD	OC-SB-456-7.0/9.0-MSD		T	30.05 g	1.0 mL	50 uL	.100 mL	100 uL
360-24563-A-15	OC-SB-457-0.0/1.0-XXX		T	30.44 g	1.0 mL	50 uL		
360-24563-A-16	OC-SB-457-8.0/10-XXX		T	30.70 g	1.0 mL	50 uL		
360-24582-A-1	OC-SB-457-28/30-XXX	3546, 8270C LL	T	30.34 g	1.0 mL	50 uL		
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	3546, 8270C LL	T	30.37 g	1.0 mL	50 uL		
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	3546, 8270C LL	T	30.26 g	1.0 mL	50 uL		
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	3546, 8270C LL	T	30.46 g	1.0 mL	50 uL		
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	3546, 8270C LL	T	30.68 g	1.0 mL	50 uL		
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	3546, 8270C LL	T	30.81 g	1.0 mL	50 uL		
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	3546, 8270C LL	T	30.09 g	1.0 mL	50 uL		
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	3546, 8270C LL	T	30.45 g	1.0 mL	50 uL		
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	3546, 8270C LL	T	30.10 g	1.0 mL	50 uL		
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	3546, 8270C LL	T	30.38 g	1.0 mL	50 uL		
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	3546, 8270C LL	T	30.21 g	5.0 mL	50 uL		
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	3546, 8270C LL	T	30.50 g	1.0 mL	50 uL		
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	3546, 8270C LL	T	30.34 g	1.0 mL	50 uL		
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	3546, 8270C LL	T	30.17 g	2.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49302
Method: 3550B
Analyst: Bilodeau, Brian R

Date Open: Sep 22 2009 11:55AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00011	OP-abnms_00063
MB~360-49302/1		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	
LCS~360-49302/2		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
LCSD~360-49302/3		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
360-24563-A-14	OC-SB-456-7.0/9.0-XXX		T	100.12 g	1.0 mL	50 uL	
360-24563-A-14~MS	OC-SB-456-7.0/9.0-XMS		T	100.62 g	1.0 mL	50 uL	100 uL
360-24563-A-14~MSD	OC-SB-456-7.0/9.0-MSD		T	100.32 g	1.0 mL	50 uL	100 uL
360-24582-A-1	OC-SB-457-28/30-XXX	3550B, 8270C LL	T	100.88 g	1.0 mL	50 uL	
360-24634-A-4	OC-SS-420-0.0/1.0-XXX		T	100.75 g	1.0 mL	50 uL	
360-24634-A-6	OC-SS-422-0.0/1.0-XXX		T	100.71 g	1.0 mL	50 uL	
360-24634-A-8	OC-SS-424-0.0/1.0-XXX		T	100.77 g	1.0 mL	50 uL	
360-24634-A-11	OC-SS-427-0.0/1.0-XXX		T	100.64 g	1.0 mL	50 uL	
360-24634-A-13	OC-SS-429-0.0/1.0-XXX		T	100.54 g	1.0 mL	50 uL	
360-24634-A-15	OC-SS-431-0.0/1.0-XXX		T	100.37 g	1.0 mL	50 uL	
360-24665-A-1	OC-SS-434-0.0/1.0-XXX		T	100.36 g	1.0 mL	50 uL	
360-24665-A-11	OC-SS-455-0.0/1.0-XXX		T	100.11 g	1.0 mL	50 uL	
360-24665-A-12	OC-SS-460-0.0/1.0-XXX		T	100.69 g	1.0 mL	50 uL	
360-24665-A-16	OC-SB-413-0.0/1.0-XXX		T	100.63 g	1.0 mL	50 uL	
360-24665-A-17	OC-SB-413-1.0/5.0-XXX		T	100.59 g	1.0 mL	50 uL	
360-24665-A-18	OC-SB-413-10/12-XXX		T	100.41 g	1.0 mL	50 uL	
360-24665-A-5	OC-SS-440-0.0/1.0-XXX		T	100.25 g	1.0 mL	50 uL	
360-24665-A-8	OC-SS-450-0.0/1.0-XXX		T	100.33 g	1.0 mL	50 uL	
360-24686-A-10	OC-SS-453-0.0/1.0-XXX		T	100.54 g	1.0 mL	50 uL	
360-24686-A-11	OC-SS-457-0.0/1.0-XXX		T	100.34 g	1.0 mL	50 uL	

Organic Prep Worksheet

Batch Number: 360-49345
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 23 2009 11:39AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00011	OlinLCSextras_00002	OP-abnms_00064
MB~360-49345/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49345/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49345/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24582-A-21	OC-SS-416-0.0/1.0-DUP	3546, 8270C LL	T	30.54 g	1.0 mL	50 uL		
360-24582-A-22	OC-SS-416-0.0/1.0-XXX	3546, 8270C LL	T	30.40 g	1.0 mL	50 uL		
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XMS	3546, 8270C LL	T	30.02 g	1.0 mL	50 uL	.100 mL	100 uL
360-24582-A-22~MSD	OC-SS-416-0.0/1.0-MSD	3546, 8270C LL	T	30.31 g	1.0 mL	50 uL	.100 mL	100 uL
360-24634-A-1	OC-SS-417-0.0/1.0-XXX		T	30.88 g	1.0 mL	50 uL		
360-24634-A-2	OC-SS-418-0.0/1.0-XXX		T	30.28 g	1.0 mL	50 uL		
360-24634-A-3	OC-SS-419-0.0/1.0-XXX		T	30.68 g	1.0 mL	50 uL		
360-24634-A-4	OC-SS-420-0.0/1.0-XXX		T	30.60 g	1.0 mL	50 uL		
360-24634-A-5	OC-SS-421-0.0/1.0-XXX		T	30.43 g	1.0 mL	50 uL		
360-24634-A-6	OC-SS-422-0.0/1.0-XXX		T	30.58 g	1.0 mL	50 uL		
360-24634-A-7	OC-SS-423-0.0/1.0-XXX		T	30.37 g	1.0 mL	50 uL		
360-24634-A-8	OC-SS-424-0.0/1.0-XXX		T	30.27 g	1.0 mL	50 uL		
360-24634-A-9	OC-SS-425-0.0/1.0-XXX		T	30.44 g	1.0 mL	50 uL		
360-24634-A-10	OC-SS-426-0.0/1.0-XXX		T	30.35 g	1.0 mL	50 uL		
360-24634-A-11	OC-SS-427-0.0/1.0-XXX		T	30.85 g	1.0 mL	50 uL		
360-24634-A-12	OC-SS-428-0.0/1.0-XXX		T	30.18 g	1.0 mL	50 uL		
360-24634-A-13	OC-SS-429-0.0/1.0-XXX		T	30.76 g	1.0 mL	50 uL		
360-24634-A-14	OC-SS-430-0.0/1.0-XXX		T	30.10 g	1.0 mL	50 uL		
360-24634-A-15	OC-SS-431-0.0/1.0-XXX		T	30.09 g	1.0 mL	50 uL		
360-24634-A-16	OC-SS-432-0.0/1.0-XXX		T	30.27 g	1.0 mL	50 uL		

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
MZ	9/17/09	24444-9MS&MSD	8270LL	100µL	1000µL	10X	all screened @10X
		24444-12,-13					
		24454-2→9					
		24499-1→7					
		24499-14					
MZ	9/17/09	24582-8	8082	100µL	1000µL	10X	
		24582-9		200µL	1000µL	5X	
~~24563~~ TP	9/21/09	24563-1	EPH	100 ul	1000 ul	10X	
MZ	9/23/09	24499-15→	8270LL	100µL	1000µL	10X	all screened @10X
		-22					
		24563-1→7					
		24563-9,11,12					
TP	9/21/09	24563-4	EPH	200 ul	1000 ul	5X	
		4		~~1~~200 ul	1000ul	50X	taken from 5X
		5		200 ul		5X	
		5		~~1~~00 ul		50X	taken from 5X
		6		100 ul		10X	
		2		200 ul		5X	
		2		50 ~~100~~ ul		20X	
		2		10 TP ul		2000X	taken from 20X
		5 MS		200 ul		5X	
		5 MS		100 ul		50X	taken from 5X
		5 MSD		200 ul		5X	
		5 MSD		100 ul		50X	taken from 5X
MZ	9/23/09	24563-13→16	8270LL	100µL	1000µL	10X	all screened @10X

BL-QA-022

TestAmerica
53 Southampton Road
Westfield, MA

4

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
MZ	9/23/09	24582-1,5→7	8270D	100µL	1000µL	10X	all screened @ 10X
		24582-9→14					
		24582-16,17					
		24582-19,20					
~~B~~ (9/23/09)	~~9/18/09~~	~~24327-9~~	~~8270D~~	~~100mL~~	~~10mL~~	~~100X~~ →	~~10x off the original 10X~~

B 9/23/09

Westfield, MA

BL-QA-022

7

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
JB	9/18/09	24327-9	8270_LL	20mL	1000mL	50X	
↓	↓	24315-5	↓	20mL	1000mL	50X	
↓	↓	24327-9	8270_LL	500mL	1000mL	100X	2x off 100x
JB	9/23/09	24315-20	↓	200mL	1000mL	5X	
↓	↓	↓ -20	↓	100mL	1000mL	10X	
DS	9/24/09	24444-1	8270_LL	~~100~~ 10mL	1000mL	1000X	>100X of the 10X
↓	↓	↓ -2	↓	10mL	1000mL	1000X	
MZ	9/24/09	24582-21 22	8270LL	100µL	1000µL	10X	all screened @ 10X
↓	↓	24634-1→16	↓	↓	↓	↓	↓
DS	9/25/09	24444-1	8270-LL	500mL	1000mL	2X	2x off 10X
↓	↓	24444-12	↓	500mL	1000mL	2000X	2x off 1000X
KR	9/23/09	24444-2	8270-LL	100 µL	1000 µL	10X	
↓	(entr. 9/27/09 KR)	-1	↓	100 µL	1000 µL	10X	
↓	↓	-2MS	↓	100 µL	1000 µL	10X	
↓	↓	-2MSD	↓	100 µL	1000 µL	10X	
↓	9/25/09	24499-20	8270-LL	100 µL	1000 µL	10X	
↓	(entr. 9/27/9 KR)	24563-2	↓	100 µL	1000 µL	10X	
↓	↓	24563-6	↓	100 µL	1000 µL	10X	
↓	9/23/09						KR 9/27/09
↓	(entr. 9/27/9 KR)	24499-17	8270-LL	100 µL	1000 µL	10X	
JB	9/28/09	24563-2	8270-LL	500mL	1000mL	20X	2x off 10X
↓	↓		↓	400mL	1000mL	50X	2.5x off 20X
↓	↓		↓	500mL	1000mL	100X	2x off 50X
↓	↓	24563-23	8270LL	200mL	1000mL	5X	

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
BS	9-28-09	24499-17	8270C_LL	500 mL	1000 mL	20X	2x off 10X
		24563-1		500 mL	1000 mL	20X	2x off 10X
		24563-4					
		-5					
BS	10-1-09	24563-3	8270C_LL	200 mL	100 mL	50X	5x off 10 X dilution
		-4		200 mL		100X	5x off 20X dilution
		-5		200 mL		100X	5x off 20X dilution
		24563-2		200 mL	1000	500X	5x off 100X dilution
		-2		100 mL	1000	5000X	10X off 500X dilution
MZ	10/2/09	24486-1→11	8270C_LL	100 µL	1000	10X	all screened @ 10X
		24486-13→16					
BS	10/5/09	24563-2	8270C_LL	200 mL	1000 mL	25,000X	5x off 5,000X
				500 mL	1000 mL	1000X	2x off 500X
		—		—	—	—	

BL-QA-022

TestAmerica
53 Southampton Road
Westfield, MA

8315

Carbonyl Compounds (HPLC) by Method 8315

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: 1I18M24.d

Lab ID: LCS 640-60840/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Formaldehyde	150	137	91	70-125	
Acetaldehyde	150	127	85	79-113	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: 1I23M4.d

Lab ID: LCS 640-60976/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Formaldehyde	750	760	101	71-122	
Acetaldehyde	750	773	103	61-131	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: 1I18M25.d

Lab ID: LCSD 640-60840/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	150	145	97	6	20	70-125	
Acetaldehyde	150	134	89	5	20	79-113	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: 1I23M5.d

Lab ID: LCSD 640-60976/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	750	736	98	3	30	71-122	
Acetaldehyde	750	756	101	2	30	61-131	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: 1I18M23.d Lab Sample ID: MB 640-60840/1-A

Matrix: Water Date Extracted: 09/17/2009 11:34

Instrument ID: LCM Date Analyzed: 09/18/2009 13:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60840/2-A	1I18M24.d	09/18/2009 14:06
	LCSD 640-60840/3-A	1I18M25.d	09/18/2009 14:18
OC-EBK-010	360-24582-4	1I18M29.d	09/18/2009 15:17

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: 1I23M3.d Lab Sample ID: MB 640-60976/1-A

Matrix: Solid Date Extracted: 09/21/2009 07:59

Instrument ID: LCM Date Analyzed: 09/23/2009 08:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60976/2-A	1I23M4.d	09/23/2009 09:01
	LCSD 640-60976/3-A	1I23M5.d	09/23/2009 09:13
OC-SB-457-28/30-XXX	360-24582-1	1I23M6.d	09/23/2009 09:25

FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-1
Matrix: Solid
Lab File ID: 1I23M6.d
Analysis Method: 8315A
Date Collected: 09/14/2009 11:30
Extract. Method: 8315_S_Prep
Date Extracted: 09/21/2009 07:59
Sample wt/vol: 20.0(g)
Date Analyzed: 09/23/2009 09:25
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture: 22.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61261
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	650		130	100
75-07-0	Acetaldehyde	66	J	260	37

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M6.d
Lab Smp Id: 360-24582-H-1-A Client Smp ID: OC-SB-457-28/30-XXX
Inj Date : 23-SEP-2009 09:25
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24582-H-1-A
Misc Info : 360-24582-H-1-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.950	2.933	0.017	510998	2.51813	504	
2 Acetaldehyde	3.983	3.966	0.017	26129	0.25781	51.6(a)	

QC Flag Legend

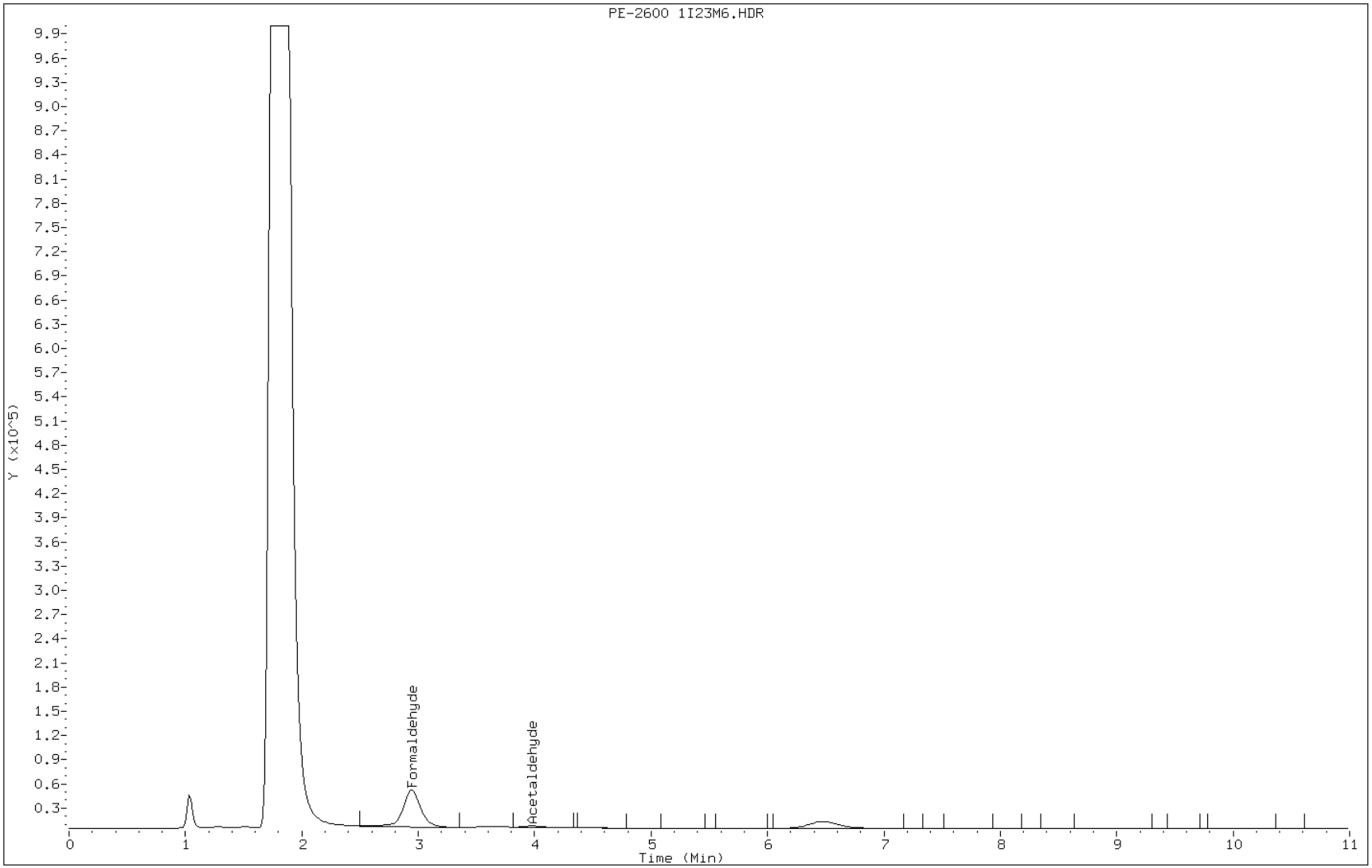
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 1I23M6.d

Date: 23-SEP-2009 09:25

Client ID: OC-SB-457-28/30-XXX Instrument: TLCMUV1.i

Sample Info: 360-24582-H-1-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID: OC-EBK-010
Lab Sample ID: 360-24582-4
Matrix: Water
Lab File ID: 1I18M29.d
Analysis Method: 8315A
Date Collected: 09/14/2009 13:00
Extract. Method: 8315_W_Prep
Date Extracted: 09/17/2009 11:34
Sample wt/vol: 100(mL)
Date Analyzed: 09/18/2009 15:17
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60957
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		50	5.0
75-07-0	Acetaldehyde	ND		100	10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M29.d
Lab Smp Id: 360-24634-J-4-A Client Smp ID: 24634-4
Inj Date : 18-SEP-2009 15:17
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24634-J-4-A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 18:31 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	100.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

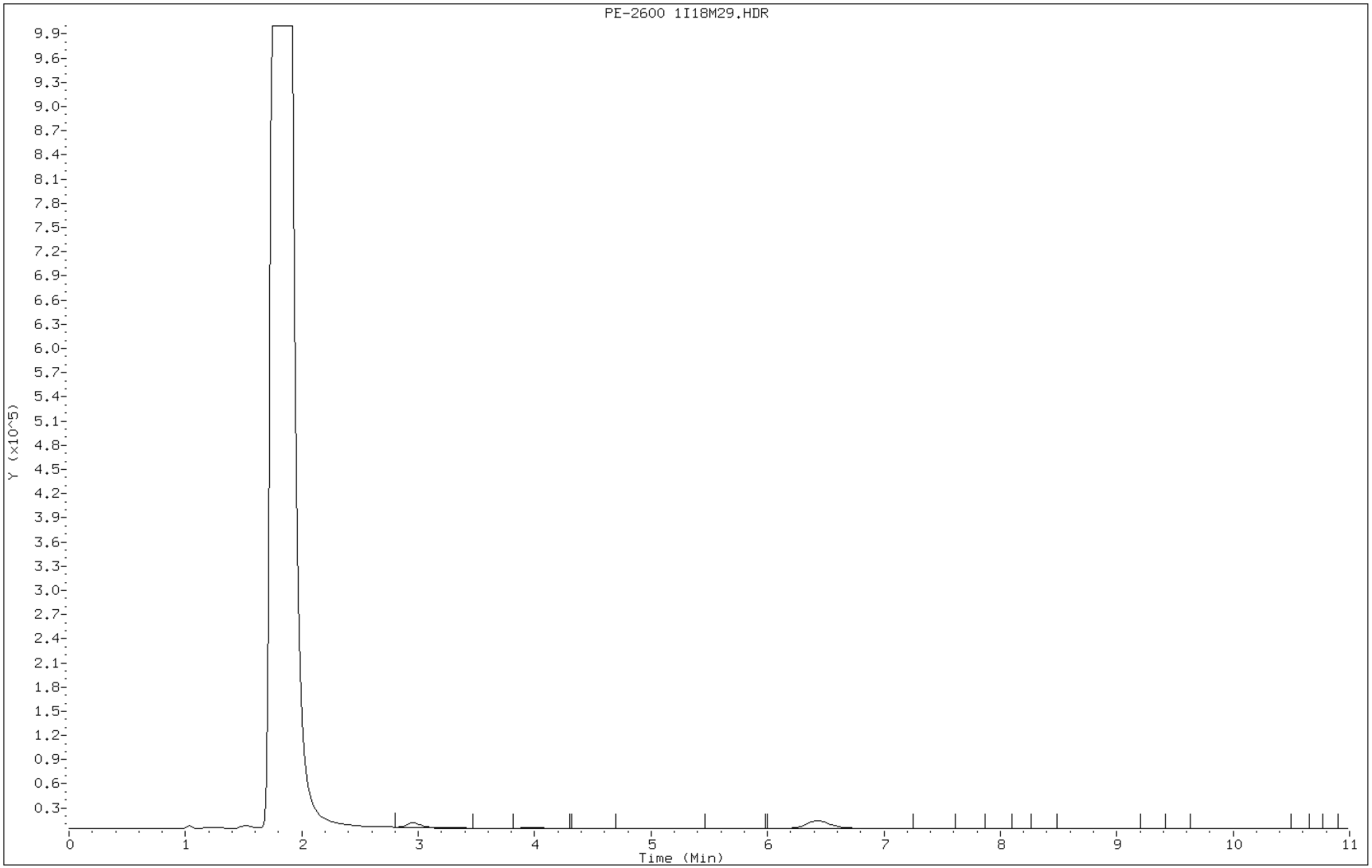
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Formaldehyde	Compound Not Detected.						
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I18M29.d

Date: 18-SEP-2009 15:17

Client ID: 24634-4 Instrument: TLCMUV1.i

Sample Info: 360-24634-J-4-A Operator: DS



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60957

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 08:42 Calibration End Date: 09/18/2009 09:29 Calibration ID: 295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60957/8	1I18M3.d
Level 2	IC 640-60957/9	1I18M4.d
Level 3	IC 640-60957/10	1I18M5.d
Level 4	IC 640-60957/11	1I18M6.d
Level 5	IC 640-60957/12	1I18M7.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	2.983	2.983	2.983	2.983	2.983						2.850 - 3.150	2.983
Acetaldehyde	4.000	4.000	4.000	4.000	4.000						3.883 - 4.183	4.000

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60957

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 08:42 Calibration End Date: 09/18/2009 09:29 Calibration ID: 295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60957/8	1I18M3.d
Level 2	IC 640-60957/9	1I18M4.d
Level 3	IC 640-60957/10	1I18M5.d
Level 4	IC 640-60957/11	1I18M6.d
Level 5	IC 640-60957/12	1I18M7.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%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								
Formaldehyde	39770 20430	26954	23620	20329	Lin	0	20011							0.9998		0.9900
Acetaldehyde	11474 10816	10585	10206	10598	Ave		10736				4.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60957

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 08:42 Calibration End Date: 09/18/2009 09:29 Calibration ID: 295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60957/8	1I18M3.d
Level 2	IC 640-60957/9	1I18M4.d
Level 3	IC 640-60957/10	1I18M5.d
Level 4	IC 640-60957/11	1I18M6.d
Level 5	IC 640-60957/12	1I18M7.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Lin	19885	33693	59050	254115	510741	0.500	1.25	2.50	12.5	25.0
Acetaldehyde	Ave	5737	13231	25515	132479	270399	0.500	1.25	2.50	12.5	25.0

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M3.d
Lab Smp Id: C1.60799 Client Smp ID: C1.60799
Inj Date : 18-SEP-2009 08:42
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C1.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 09:52 smithdn Quant Type: ESTD
Cal Date : 18-SEP-2009 08:42 Cal File: 1I18M3.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

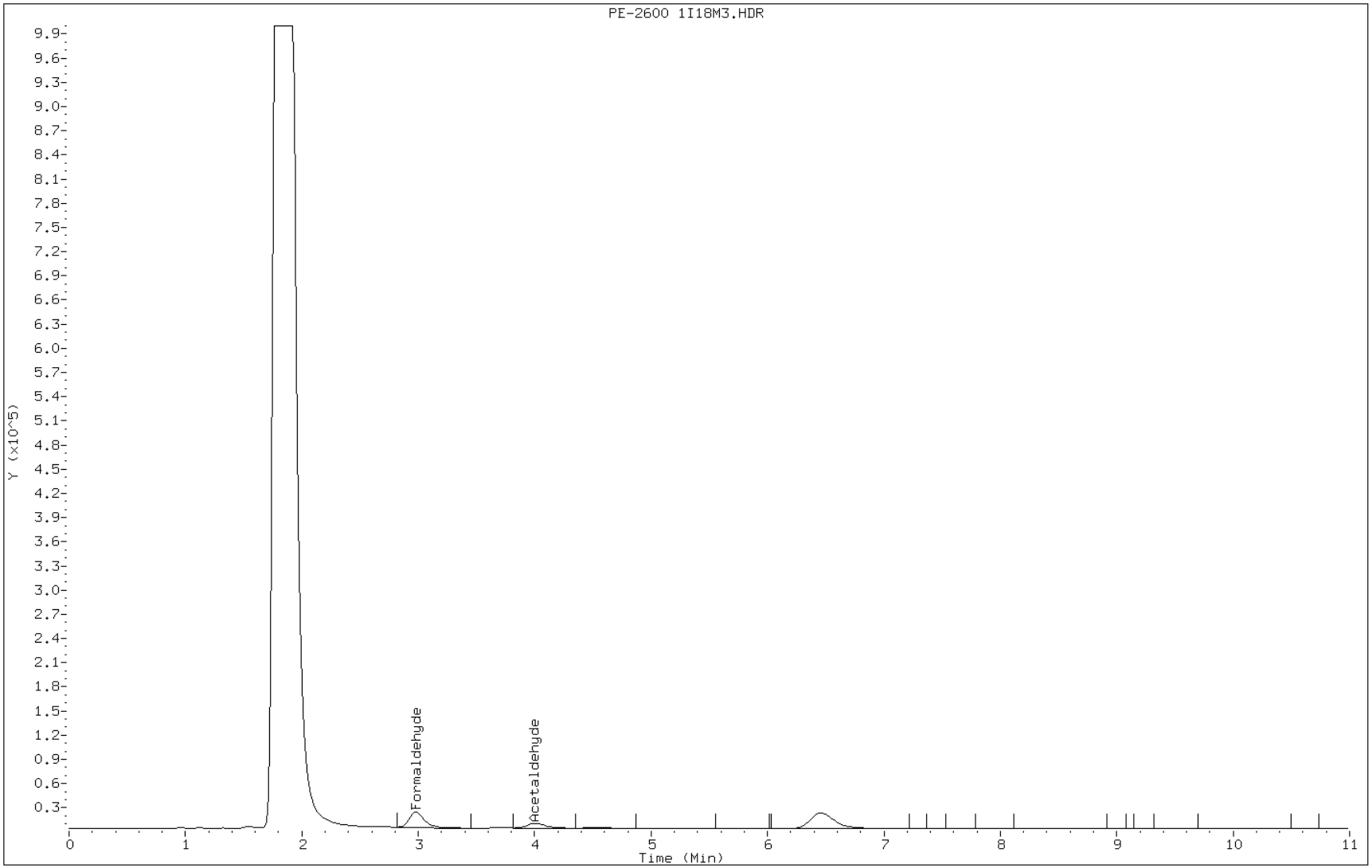
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	19885	0.50000	0.500	
2 Acetaldehyde	4.000	4.000	0.000	5737	0.50000	0.500	

Data File: 1I18M3.d

Date: 18-SEP-2009 08:42

Client ID: C1.60799 Instrument: TLCMUV1.i

Sample Info: C1.60799 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M4.d
Lab Smp Id: C2.60799 Client Smp ID: C2.60799
Inj Date : 18-SEP-2009 08:54
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C2.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 09:52 smithdn Quant Type: ESTD
Cal Date : 18-SEP-2009 08:54 Cal File: 1I18M4.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

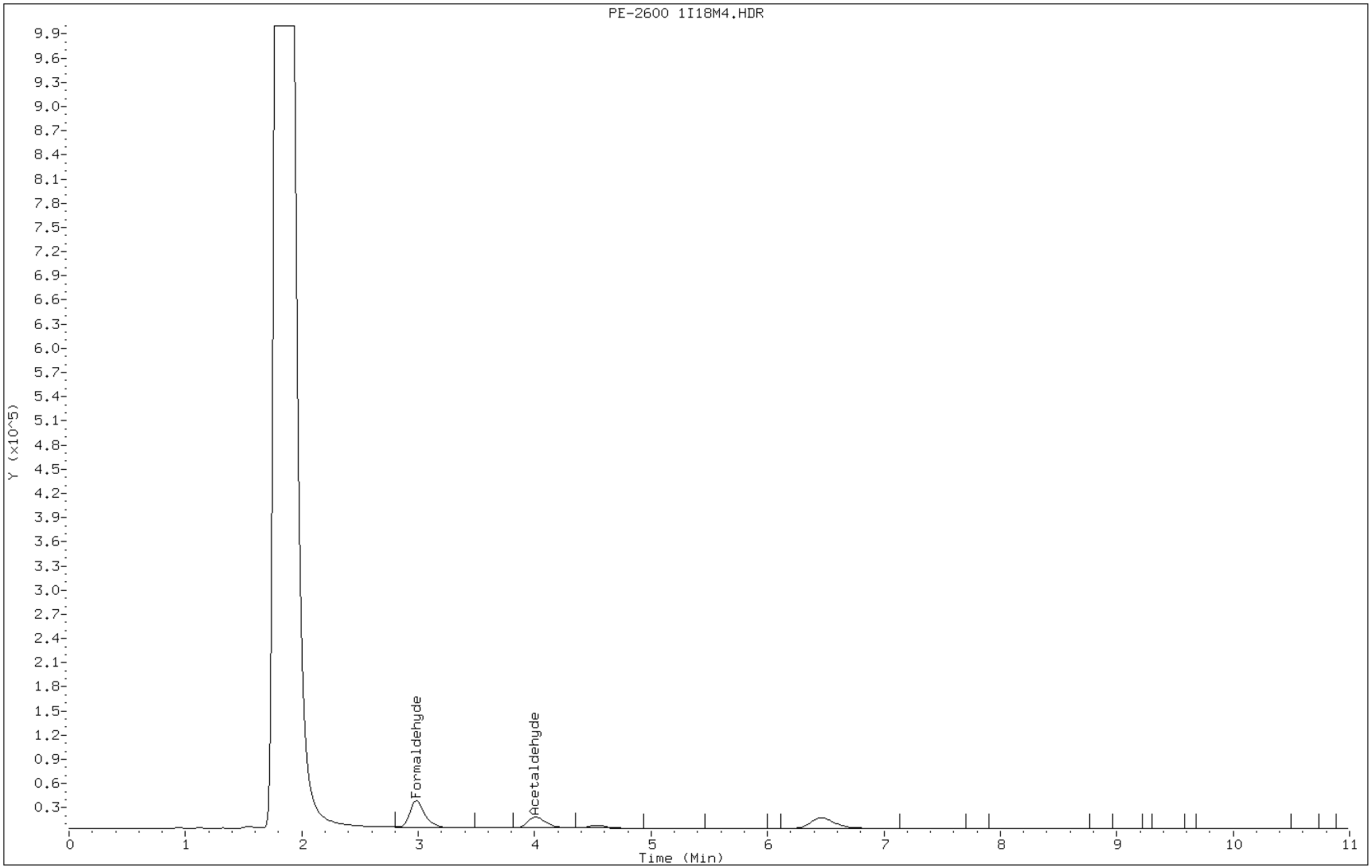
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	33693	1.25000	1.25	
2 Acetaldehyde	4.000	4.000	0.000	13231	1.25000	1.20	

Data File: 1I18M4.d

Date: 18-SEP-2009 08:54

Client ID: C2.60799 Instrument: TLCMUV1.i

Sample Info: C2.60799 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M5.d
Lab Smp Id: C3.60799 Client Smp ID: C3.60799
Inj Date : 18-SEP-2009 09:06
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C3.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 09:52 smithdn Quant Type: ESTD
Cal Date : 18-SEP-2009 09:06 Cal File: 1I18M5.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

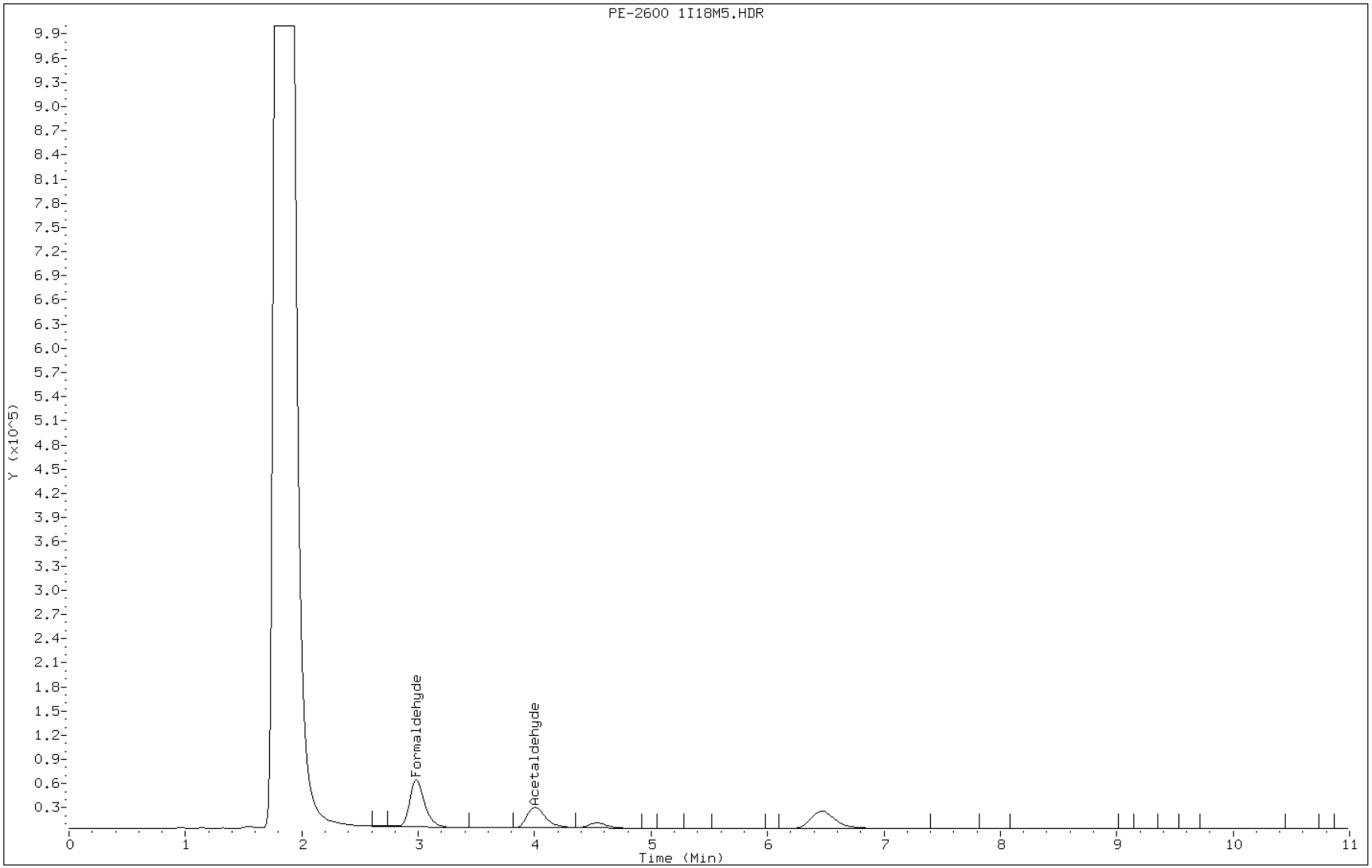
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	59050	2.50000	2.51	
2 Acetaldehyde	4.000	4.000	0.000	25515	2.50000	2.37	

Data File: 1I18M5.d

Date: 18-SEP-2009 09:06

Client ID: C3.60799 Instrument: TLCMUV1.i

Sample Info: C3.60799 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M6.d
Lab Smp Id: C4.60799 Client Smp ID: C4.60799
Inj Date : 18-SEP-2009 09:18
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C4.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 09:52 smithdn Quant Type: ESTD
Cal Date : 18-SEP-2009 09:18 Cal File: 1I18M6.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

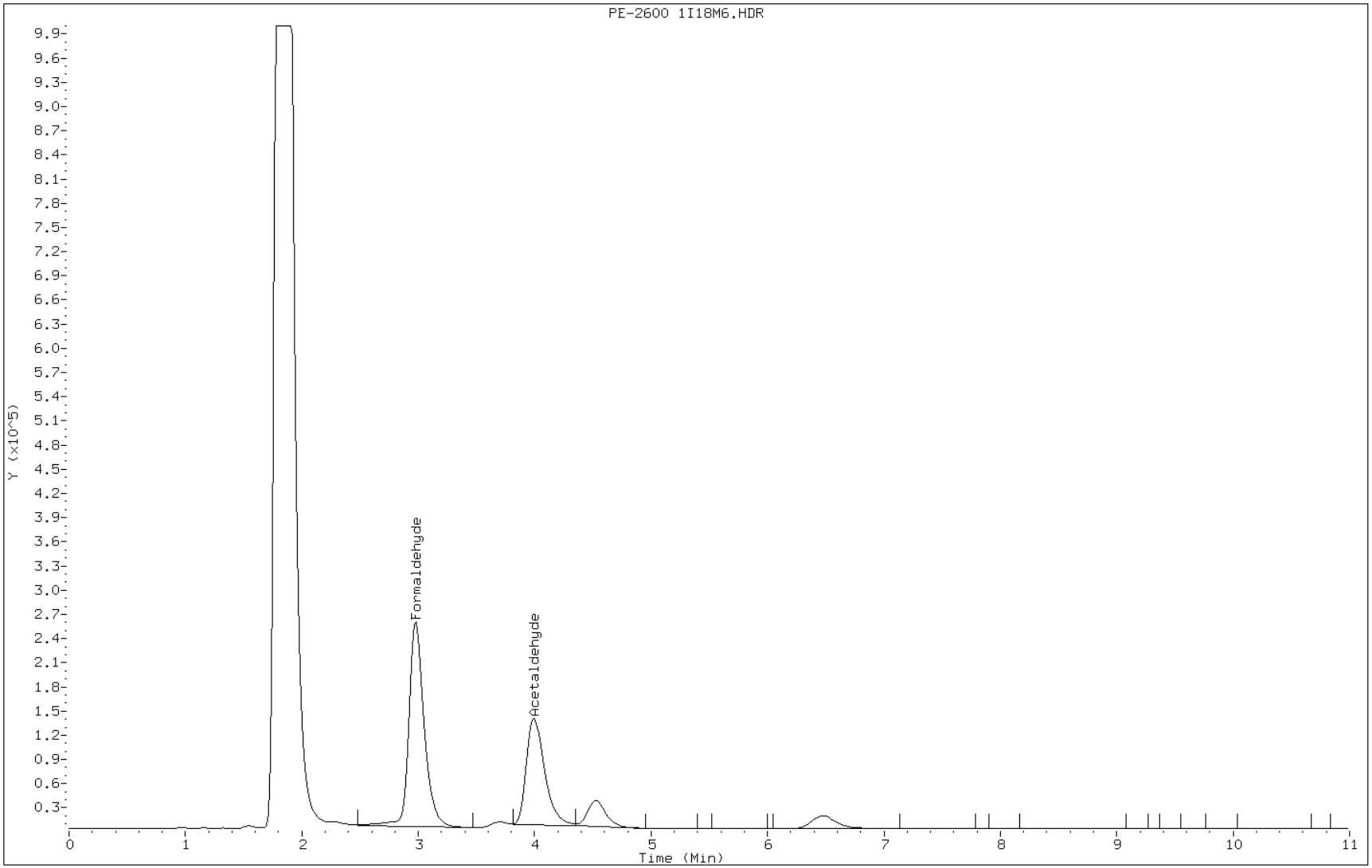
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	254115	12.5000	12.5	
2 Acetaldehyde	4.000	4.000	0.000	132479	12.5000	12.4	

Data File: 1I18M6.d

Date: 18-SEP-2009 09:18

Client ID: C4.60799 Instrument: TLCMUV1.i

Sample Info: C4.60799 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M7.d
Lab Smp Id: C5.60799 Client Smp ID: C5.60799
Inj Date : 18-SEP-2009 09:29
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C5.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 09:52 smithdn Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	510741	25.0000	25.1(A)	
2 Acetaldehyde	4.000	4.000	0.000	270399	25.0000	25.2(A)	

QC Flag Legend

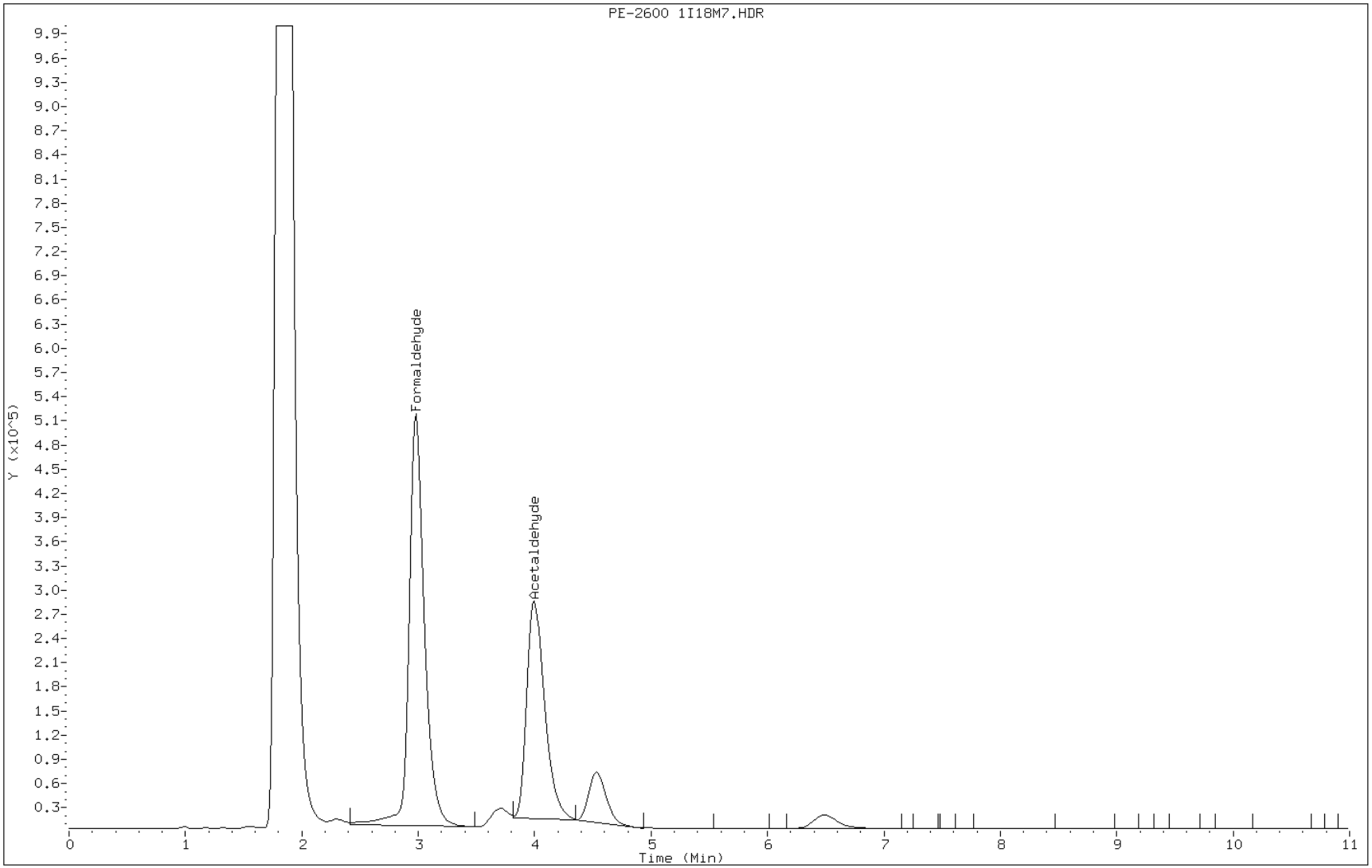
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 1I18M7.d

Date: 18-SEP-2009 09:29

Client ID: C5.60799 Instrument: TLCMUV1.i

Sample Info: C5.60799 Operator: DS



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61260

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:49 Calibration End Date: 09/22/2009 16:36 Calibration ID: 296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61260/5	1I22M9.d
Level 2	IC 640-61260/1	1I22M10.d
Level 3	IC 640-61260/2	1I22M11.d
Level 4	IC 640-61260/3	1I22M12.d
Level 5	IC 640-61260/4	1I22M13.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	2.950	2.950	2.950	2.950	2.933						2.783 - 3.083	2.947
Acetaldehyde	3.983	3.983	3.983	3.983	3.983						3.833 - 4.133	3.983

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61260

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:49 Calibration End Date: 09/22/2009 16:36 Calibration ID: 296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61260/5	1I22M9.d
Level 2	IC 640-61260/1	1I22M10.d
Level 3	IC 640-61260/2	1I22M11.d
Level 4	IC 640-61260/3	1I22M12.d
Level 5	IC 640-61260/4	1I22M13.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%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								
Formaldehyde	309692 186528	238017	202470	182644	Lin	0	183468							0.9997		0.9900
Acetaldehyde	102956 102711	99074	100511	101502	Ave		101351				1.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61260

SDG No.: OCRI-15

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:49 Calibration End Date: 09/22/2009 16:36 Calibration ID: 296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61260/5	1I22M9.d
Level 2	IC 640-61260/1	1I22M10.d
Level 3	IC 640-61260/2	1I22M11.d
Level 4	IC 640-61260/3	1I22M12.d
Level 5	IC 640-61260/4	1I22M13.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Lin	154846	297521	506176	2283056	4663210	0.500	1.25	2.50	12.5	25.0
Acetaldehyde	Ave	51478	123842	251278	1268777	2567774	0.500	1.25	2.50	12.5	25.0

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\1I22M10.d
Lab Smp Id: C2.61040 Client Smp ID: C2.61040
Inj Date : 22-SEP-2009 16:01
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C2.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\8315_A&F.m
Meth Date : 25-Sep-2009 13:47 rdriver Quant Type: ESTD
Cal Date : 22-SEP-2009 16:01 Cal File: 1I22M10.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

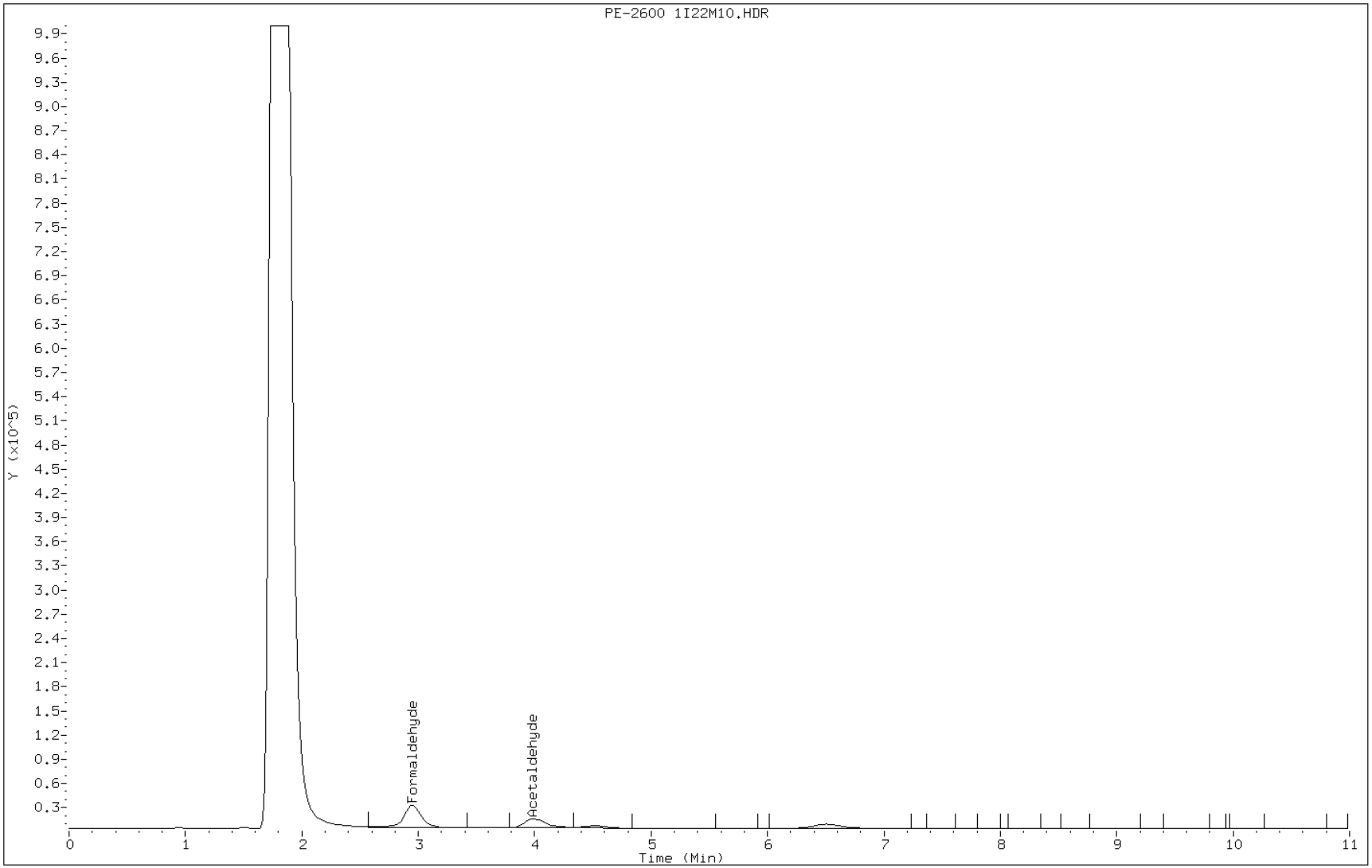
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	297521	1.25000	1.25	
2 Acetaldehyde	3.983	3.983	0.000	123842	1.25000	1.22	

Data File: 1I22M10.d

Date: 22-SEP-2009 16:01

Client ID: C2.61040 Instrument: TLCMUV1.i

Sample Info: C2.61040 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\1I22M11.d
Lab Smp Id: C3.61040 Client Smp ID: C3.61040
Inj Date : 22-SEP-2009 16:12
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C3.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\8315_A&F.m
Meth Date : 25-Sep-2009 13:47 rdriver Quant Type: ESTD
Cal Date : 22-SEP-2009 16:12 Cal File: 1I22M11.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

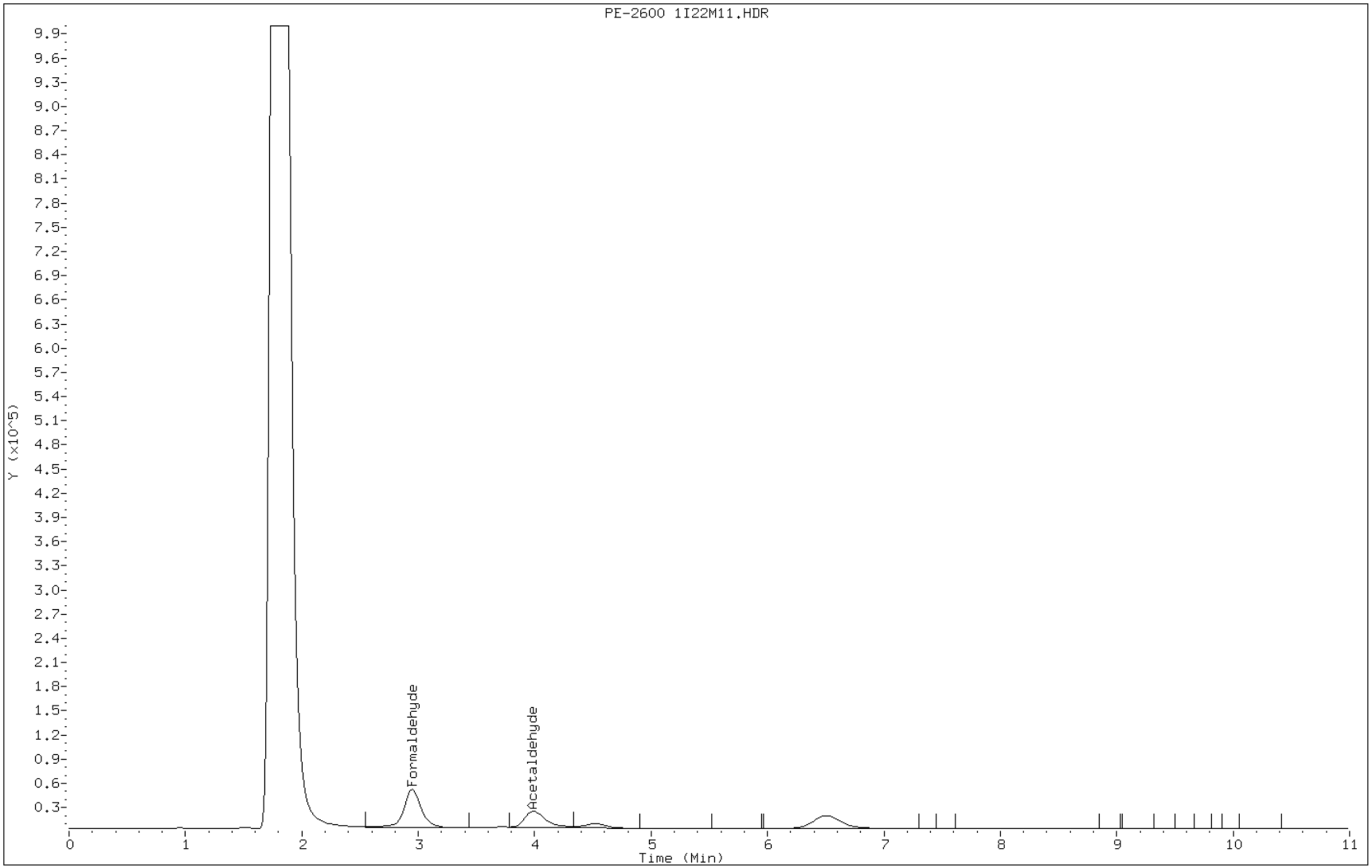
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	506176	2.50000	2.48	
2 Acetaldehyde	3.983	3.983	0.000	251278	2.50000	2.49	

Data File: 1I22M11.d

Date: 22-SEP-2009 16:12

Client ID: C3.61040 Instrument: TLCMUV1.i

Sample Info: C3.61040 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\1I22M12.d
Lab Smp Id: C4.61040 Client Smp ID: C4.61040
Inj Date : 22-SEP-2009 16:24
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C4.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\8315_A&F.m
Meth Date : 25-Sep-2009 13:47 rdriver Quant Type: ESTD
Cal Date : 22-SEP-2009 16:24 Cal File: 1I22M12.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

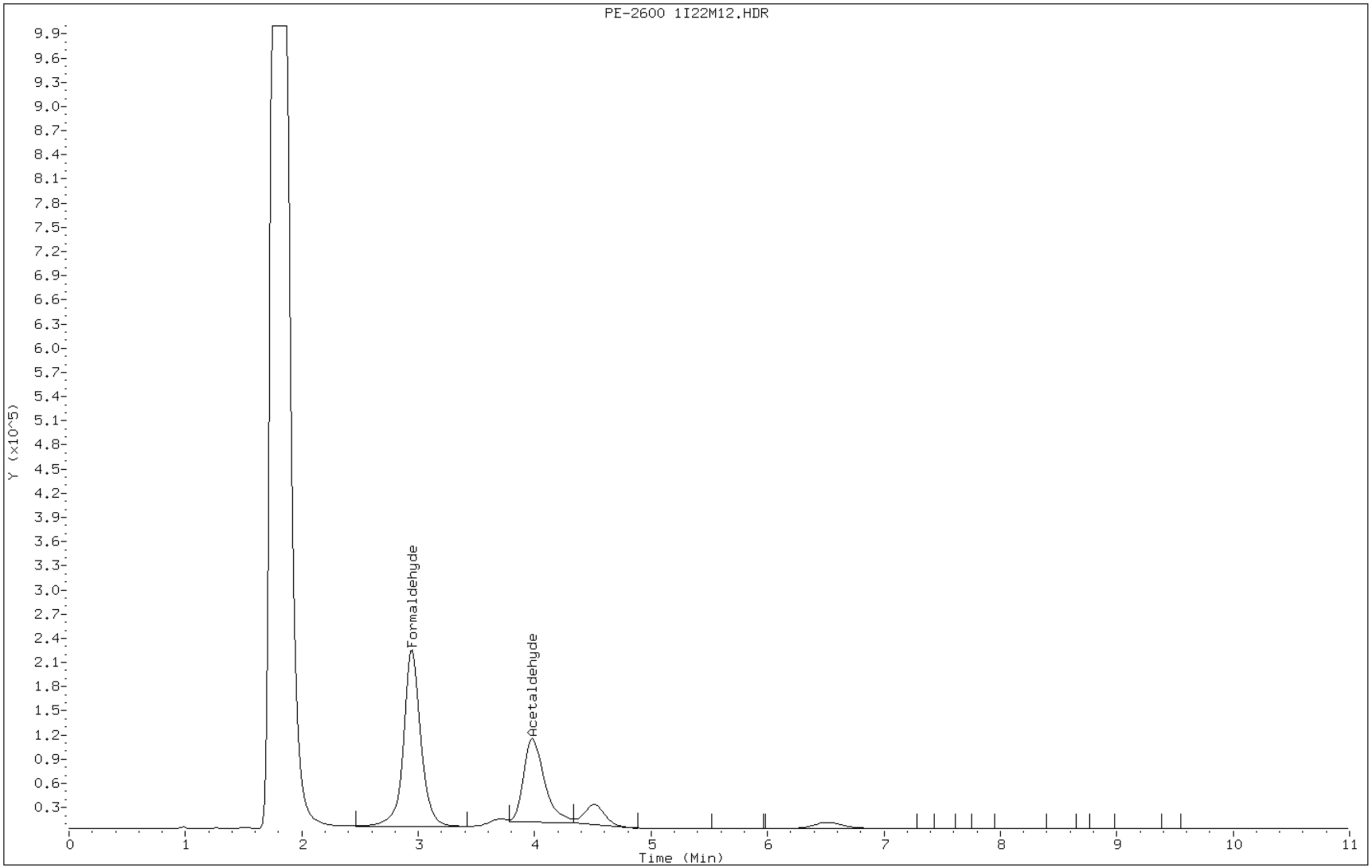
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	2283056	12.5000	12.5	
2 Acetaldehyde	3.983	3.983	0.000	1268777	12.5000	12.6	

Data File: 1I22M12.d

Date: 22-SEP-2009 16:24

Client ID: C4.61040 Instrument: TLCMUV1.i

Sample Info: C4.61040 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\1I22M13.d
Lab Smp Id: C5.61040 Client Smp ID: C5.61040
Inj Date : 22-SEP-2009 16:36
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C5.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\8315_A&F.m
Meth Date : 25-Sep-2009 13:47 rdriver Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	4663210	25.0000	25.1(A)	
2 Acetaldehyde	3.983	3.983	0.000	2567774	25.0000	25.3(A)	

QC Flag Legend

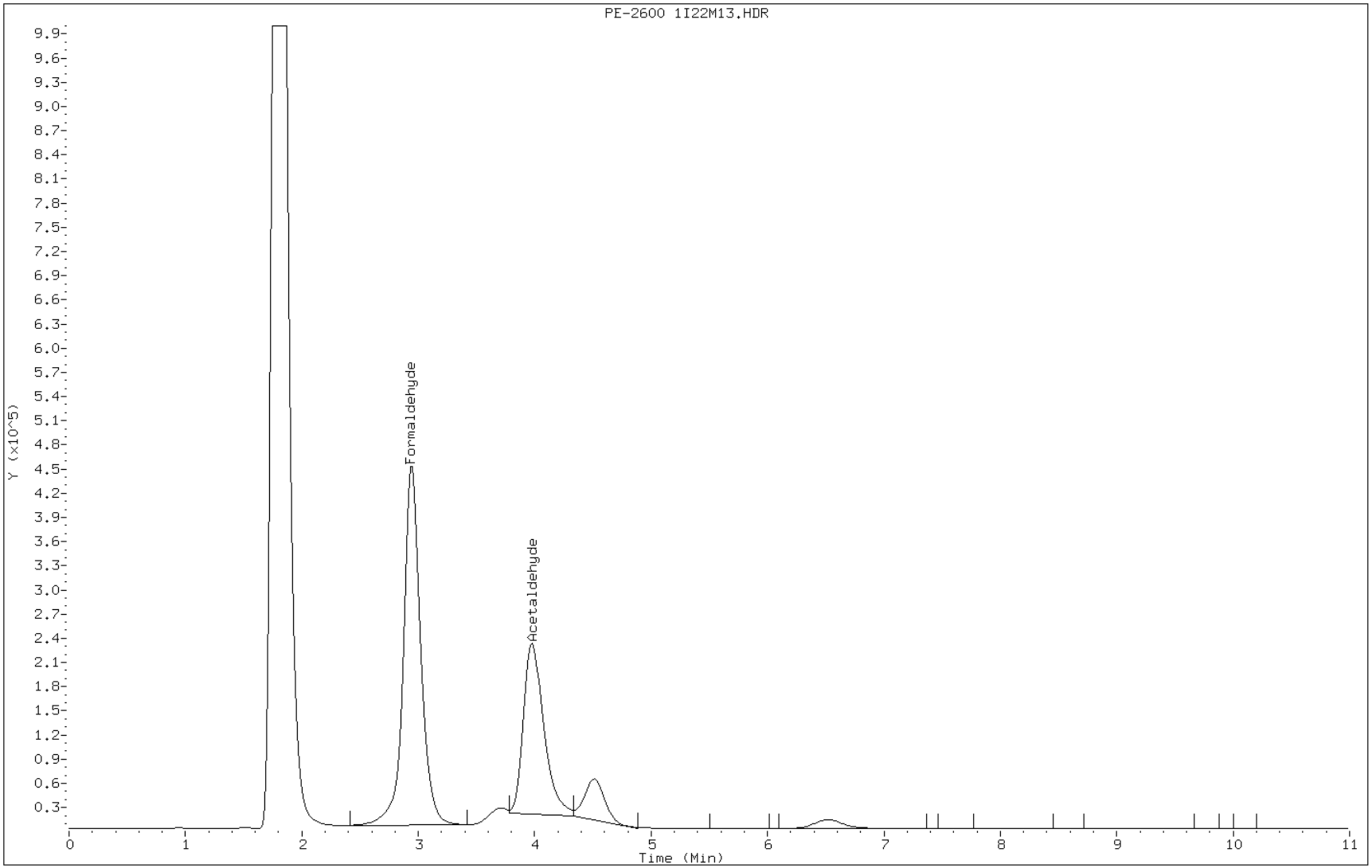
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 1I22M13.d

Date: 22-SEP-2009 16:36

Client ID: C5.61040 Instrument: TLCMUV1.i

Sample Info: C5.61040 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\1I22M9.d
Lab Smp Id: C1.61040 Client Smp ID: C1.61040
Inj Date : 22-SEP-2009 15:49
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C1.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI229.b\8315_A&F.m
Meth Date : 25-Sep-2009 13:47 rdriver Quant Type: ESTD
Cal Date : 22-SEP-2009 15:49 Cal File: 1I22M9.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

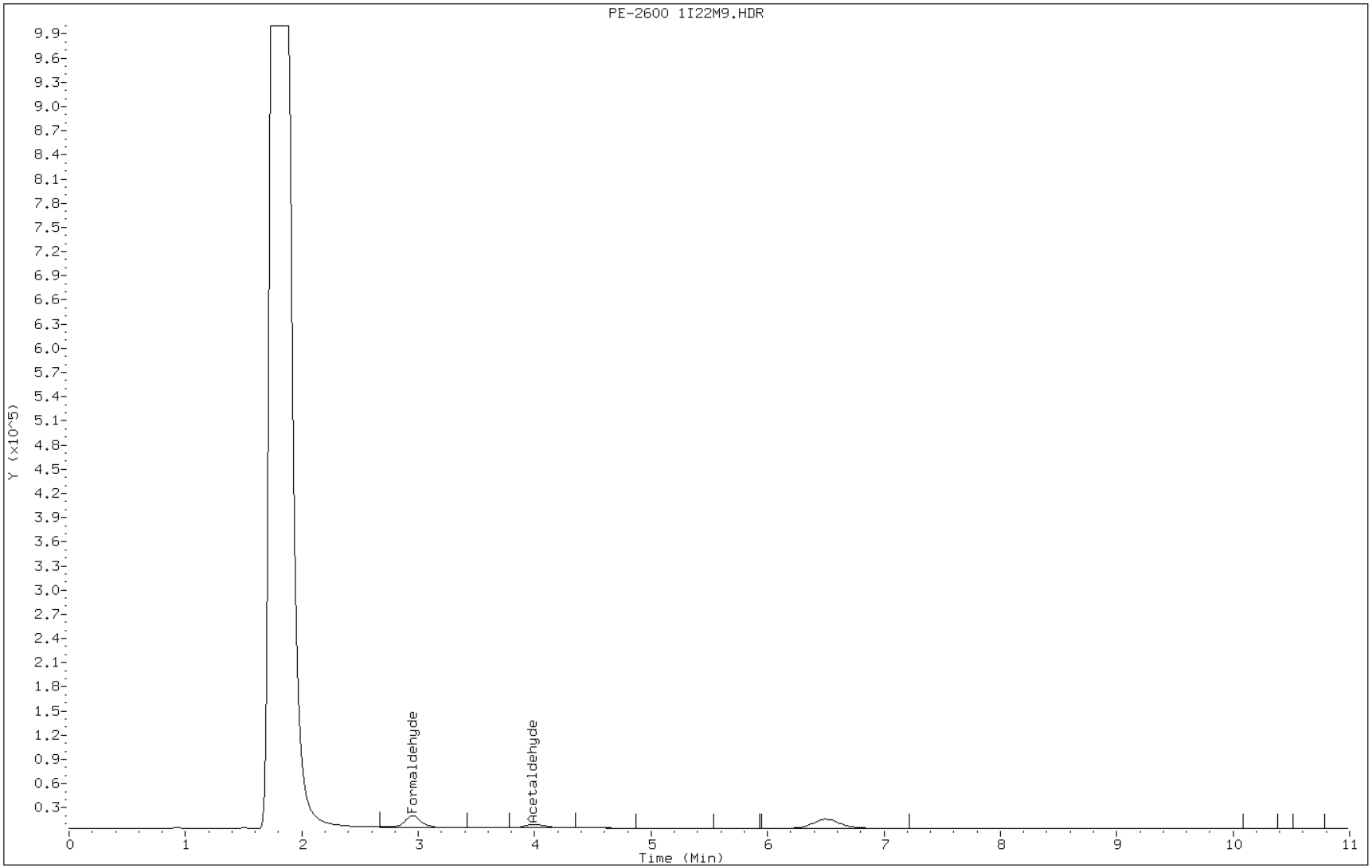
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	154846	0.50000	0.500	
2 Acetaldehyde	3.983	3.983	0.000	51478	0.50000	0.500	

Data File: 1I22M9.d

Date: 22-SEP-2009 15:49

Client ID: C1.61040 Instrument: TLCMUV1.i

Sample Info: C1.61040 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/13 Calibration Date: 09/18/2009 13:04

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M22.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	26221	20276		12.2	12.5	-2.0	15.0
Acetaldehyde	Ave	10736	10554		12.3	12.5	-1.7	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/13 Calibration Date: 09/18/2009 13:04

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M22.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.98	2.85	3.15
Acetaldehyde	4.00	3.88	4.18

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M22.d
Lab Smp Id: M4.60799 Client Smp ID: M4.60799
Inj Date : 18-SEP-2009 13:04
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M4.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 13:41 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

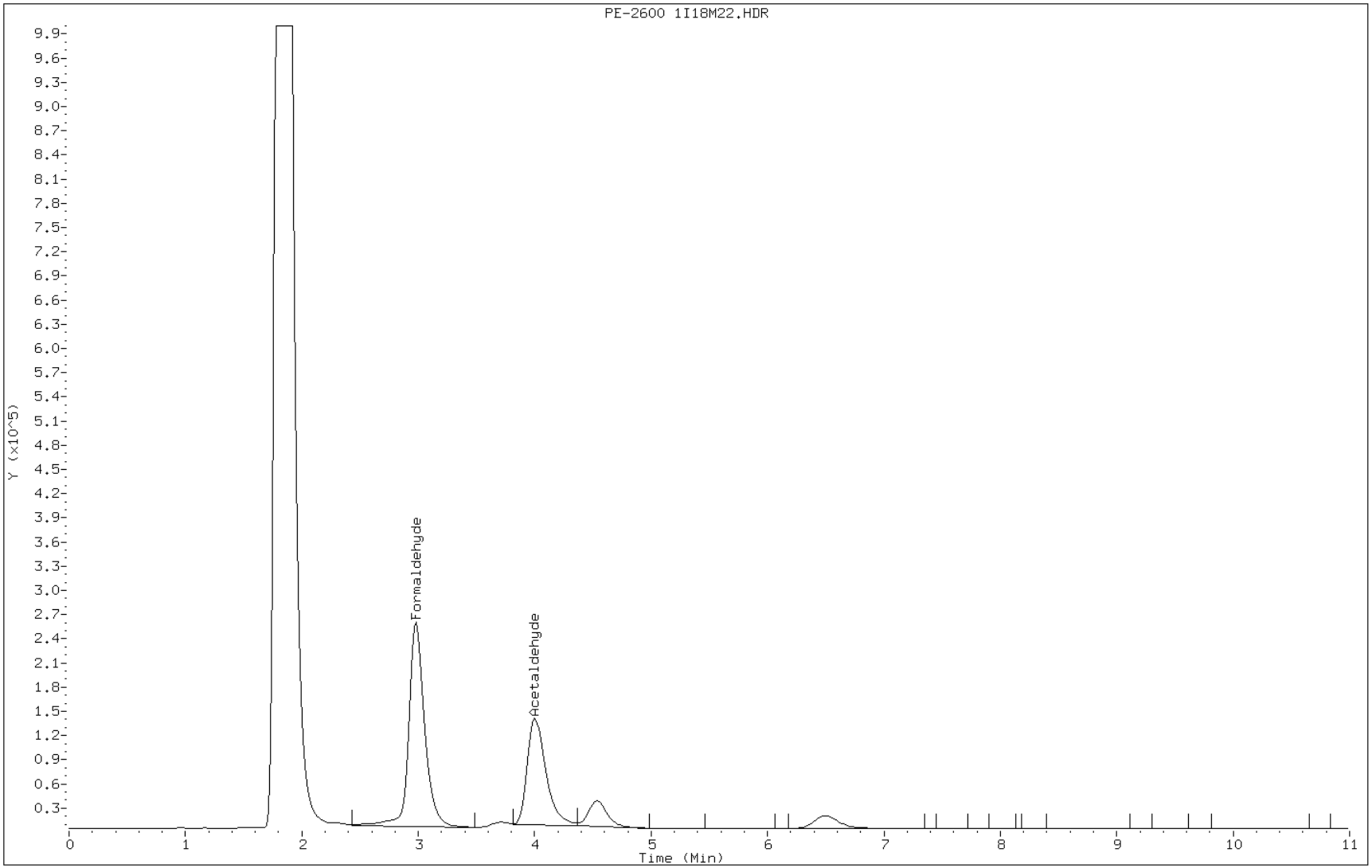
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	253449	12.5000	12.2	
2 Acetaldehyde	4.000	4.000	0.000	131921	12.5000	12.3	

Data File: 1I18M22.d

Date: 18-SEP-2009 13:04

Client ID: M4.60799 Instrument: TLCMUV1.i

Sample Info: M4.60799 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/14 Calibration Date: 09/18/2009 14:48

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M27.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	26221	23865		2.56	2.50	2.5	15.0
Acetaldehyde	Ave	10736	9994		2.33	2.50	-6.9	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/14 Calibration Date: 09/18/2009 14:48

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M27.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.95	2.85	3.15
Acetaldehyde	3.97	3.88	4.18

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M27.d
Lab Smp Id: M3.60799 Client Smp ID: M3.60799
Inj Date : 18-SEP-2009 14:48
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 18:31 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

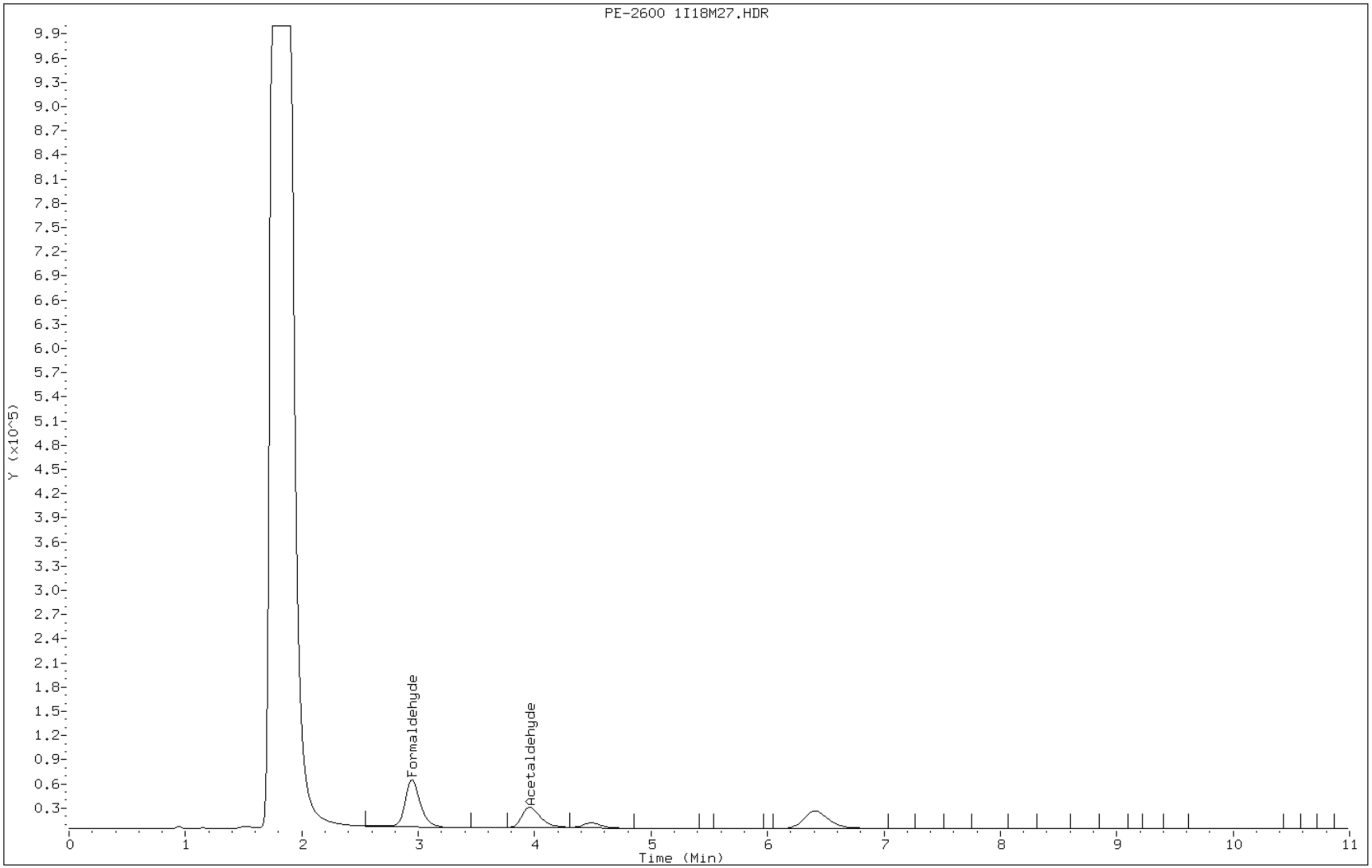
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	59662	2.50000	2.56	
2 Acetaldehyde	3.966	3.966	0.000	24985	2.50000	2.33	

Data File: 1I18M27.d

Date: 18-SEP-2009 14:48

Client ID: M3.60799 Instrument: TLCMUV1.i

Sample Info: M3.60799 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/19 Calibration Date: 09/18/2009 15:53

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M32.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	26221	19908		12.0	12.5	-3.9	15.0
Acetaldehyde	Ave	10736	10368		12.1	12.5	-3.4	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-60957/19 Calibration Date: 09/18/2009 15:53

Instrument ID: LCM Calib Start Date: 09/18/2009 08:42

GC Column: LC-C18 ID: Calib End Date: 09/18/2009 09:29

Lab File ID: 1I18M32.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.98	2.85	3.15
Acetaldehyde	4.00	3.88	4.18

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M32.d
Lab Smp Id: M4.60799 Client Smp ID: M4.60799
Inj Date : 18-SEP-2009 15:53
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M4.60799
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 20-Sep-2009 13:44 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

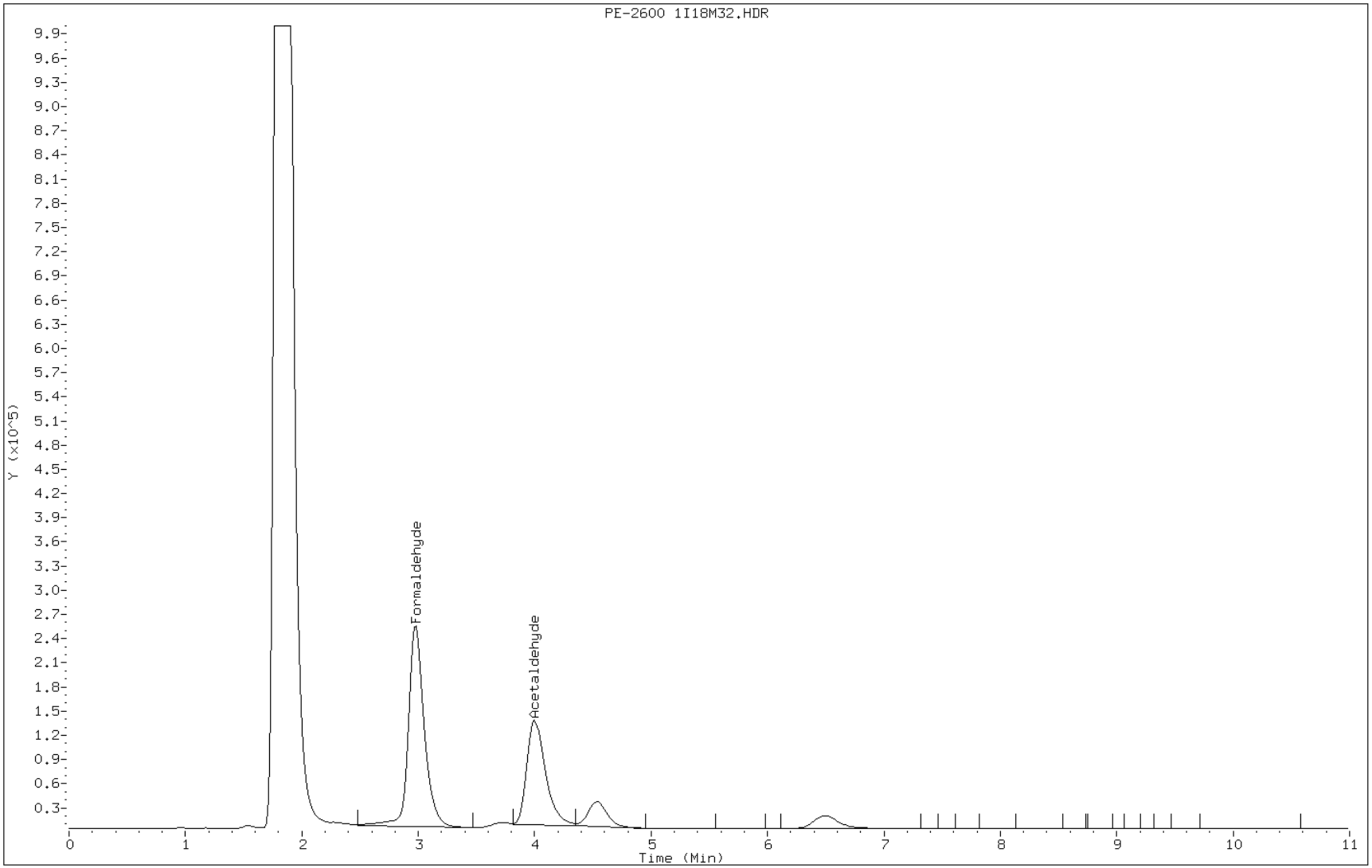
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.983	2.983	0.000	248844	12.5000	12.0	
2 Acetaldehyde	4.000	4.000	0.000	129600	12.5000	12.1	

Data File: 1I18M32.d

Date: 18-SEP-2009 15:53

Client ID: M4.60799 Instrument: TLCMUV1.i

Sample Info: M4.60799 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61261/6 Calibration Date: 09/23/2009 08:21

Instrument ID: LCM Calib Start Date: 09/22/2009 15:49

GC Column: LC-C18 ID: Calib End Date: 09/22/2009 16:36

Lab File ID: 1I23M2.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	223870	204574		2.52	2.50	0.8	15.0
Acetaldehyde	Ave	101351	104839		2.59	2.50	3.4	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61261/6 Calibration Date: 09/23/2009 08:21

Instrument ID: LCM Calib Start Date: 09/22/2009 15:49

GC Column: LC-C18 ID: Calib End Date: 09/22/2009 16:36

Lab File ID: 1I23M2.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.93	2.80	3.10
Acetaldehyde	3.97	3.83	4.13

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M2.d
Lab Smp Id: M3.61040 Client Smp ID: M3.61040
Inj Date : 23-SEP-2009 08:21
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

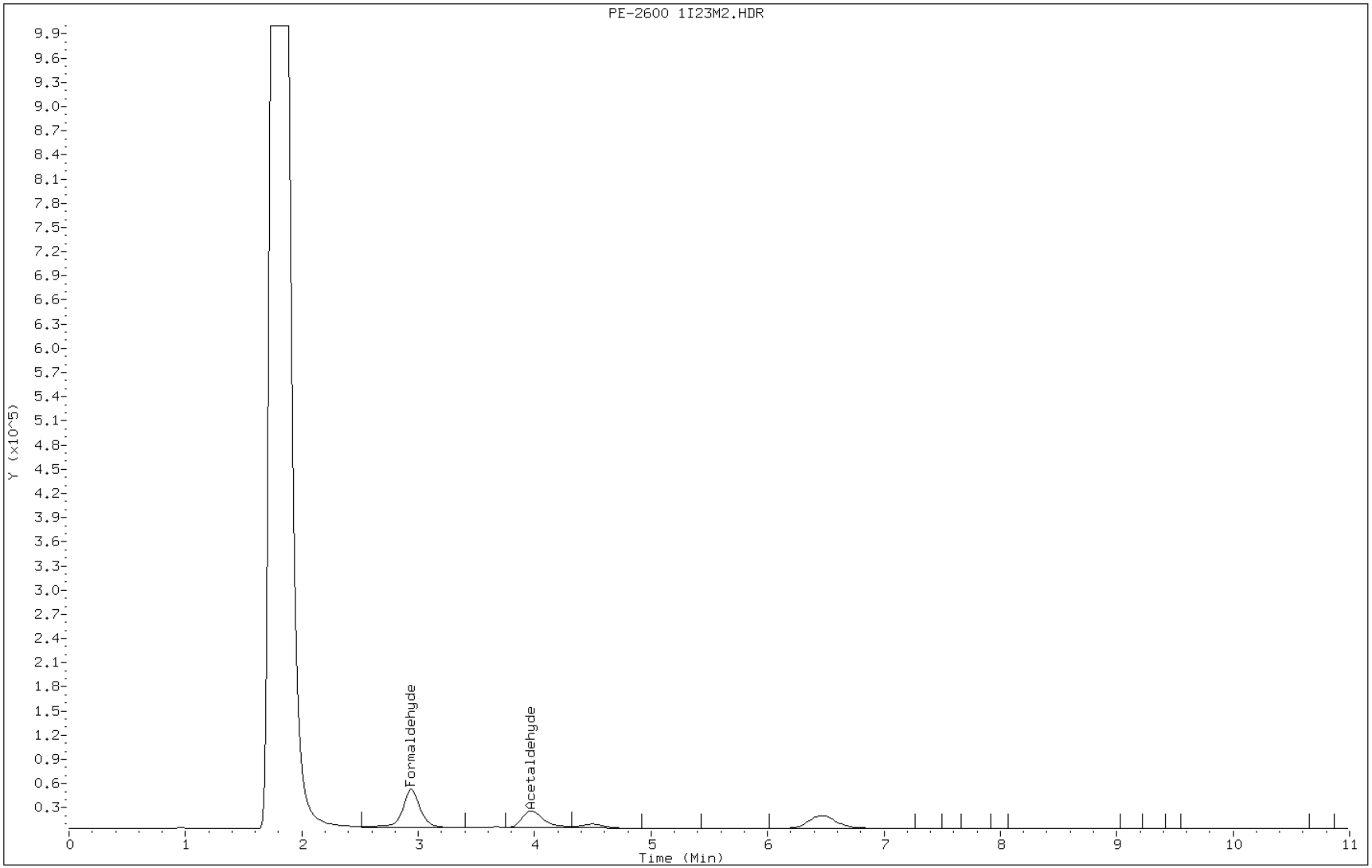
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	511434	2.50000	2.52	
2 Acetaldehyde	3.966	3.966	0.000	262098	2.50000	2.59	

Data File: 1I23M2.d

Date: 23-SEP-2009 08:21

Client ID: M3.61040 Instrument: TLCMUV1.i

Sample Info: M3.61040 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61261/7 Calibration Date: 09/23/2009 12:22

Instrument ID: LCM Calib Start Date: 09/22/2009 15:49

GC Column: LC-C18 ID: Calib End Date: 09/22/2009 16:36

Lab File ID: 1I23M21.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	223870	200206		2.46	2.50	-1.6	15.0
Acetaldehyde	Ave	101351	94022		2.32	2.50	-7.2	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61261/7 Calibration Date: 09/23/2009 12:22

Instrument ID: LCM Calib Start Date: 09/22/2009 15:49

GC Column: LC-C18 ID: Calib End Date: 09/22/2009 16:36

Lab File ID: 1I23M21.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.95	2.80	3.10
Acetaldehyde	3.98	3.83	4.13

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M21.d
Lab Smp Id: M3.61040 Client Smp ID: M3.61040
Inj Date : 23-SEP-2009 12:22
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.61040
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

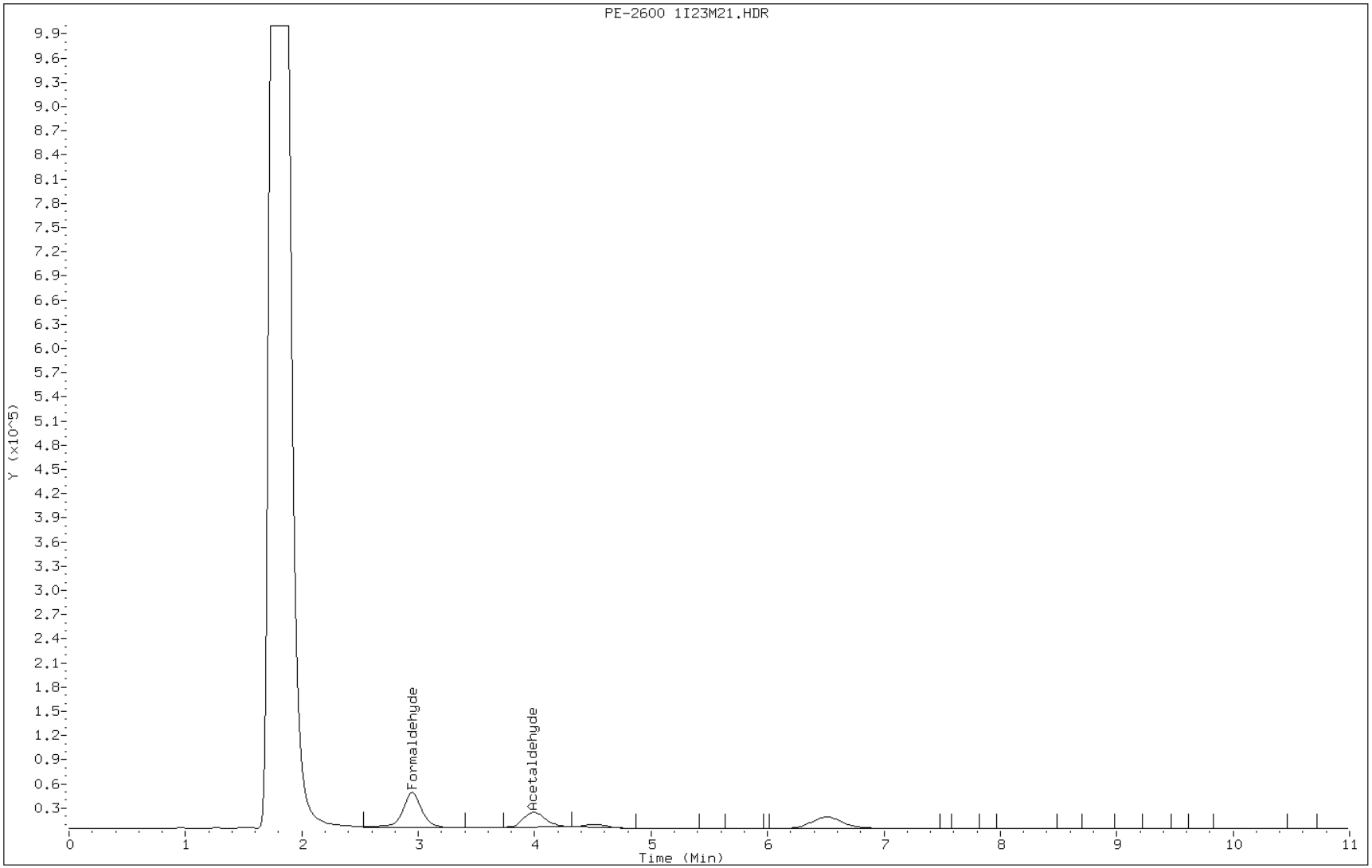
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.950	2.950	0.000	500516	2.50000	2.46	
2 Acetaldehyde	3.983	3.983	0.000	235056	2.50000	2.32	

Data File: 1I23M21.d

Date: 23-SEP-2009 12:22

Client ID: M3.61040 Instrument: TLCMUV1.i

Sample Info: M3.61040 Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 640-60840/1-A
Matrix: Water
Lab File ID: 1I18M23.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_W_Prep
Date Extracted: 09/17/2009 11:34
Sample wt/vol: 100(mL)
Date Analyzed: 09/18/2009 13:55
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60957
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		50	5.0
75-07-0	Acetaldehyde	ND		100	10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M23.d
Lab Smp Id: MB 640-60840/1A Client Smp ID: 60840MB
Inj Date : 18-SEP-2009 13:55
Operator : DS Inst ID: TLCMUV1.i
Smp Info : MB 640-60840/1A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 13:41 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	100.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Formaldehyde	Compound Not Detected.						
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I18M23.d

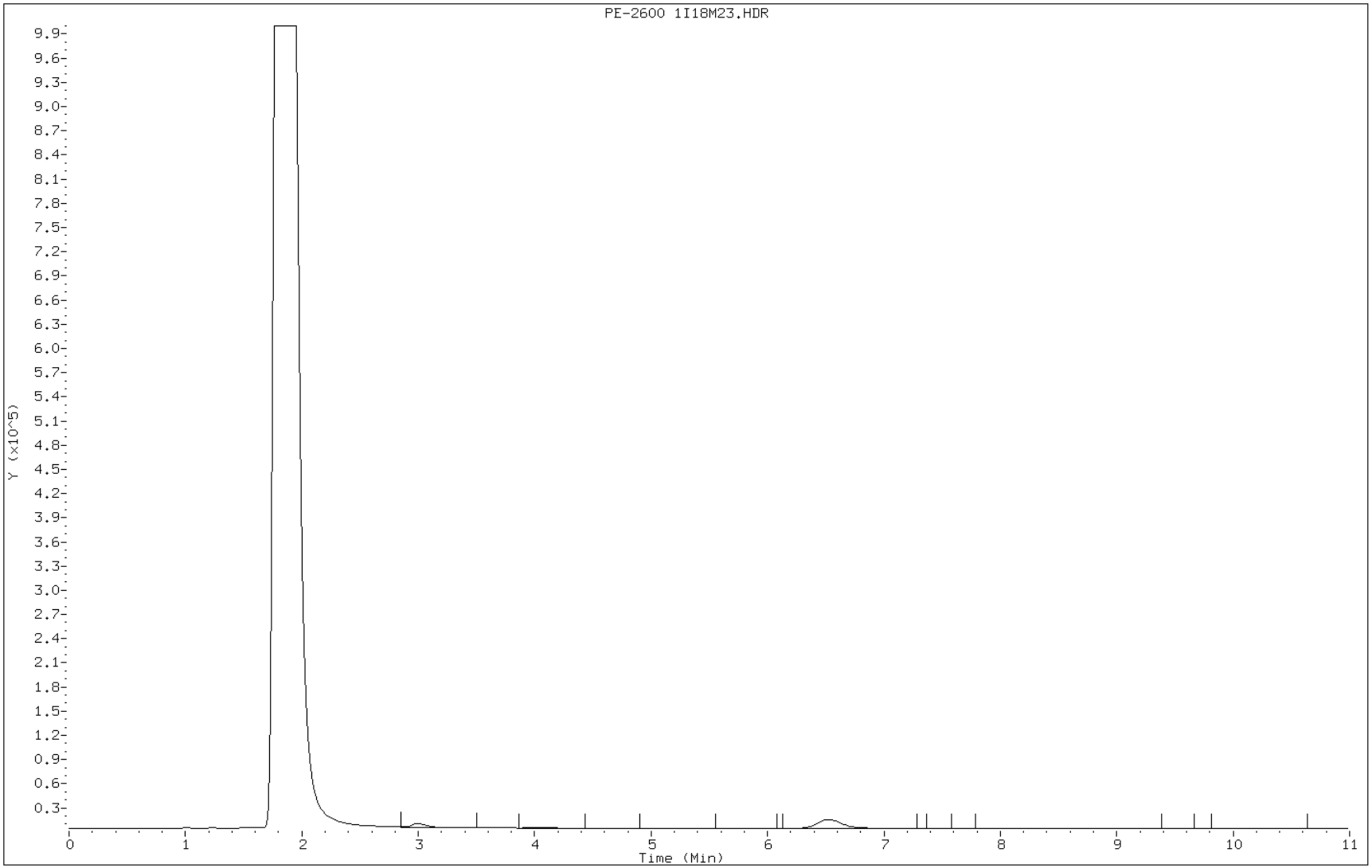
Date: 18-SEP-2009 13:55

Client ID: 60840MB

Instrument: TLCMUV1.i

Sample Info: MB 640-60840/1A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 640-60976/1-A
Matrix: Solid
Lab File ID: 1I23M3.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/21/2009 07:59
Sample wt/vol: 20.0(g)
Date Analyzed: 09/23/2009 08:50
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61261
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		100	78
75-07-0	Acetaldehyde	ND		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M3.d
Lab Smp Id: MB 640-60976/1A Client Smp ID: 60976MB
Inj Date : 23-SEP-2009 08:50
Operator : DS Inst ID: TLCMUV1.i
Smp Info : MB 640-60976/1A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	Compound Not Detected.						
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I23M3.d

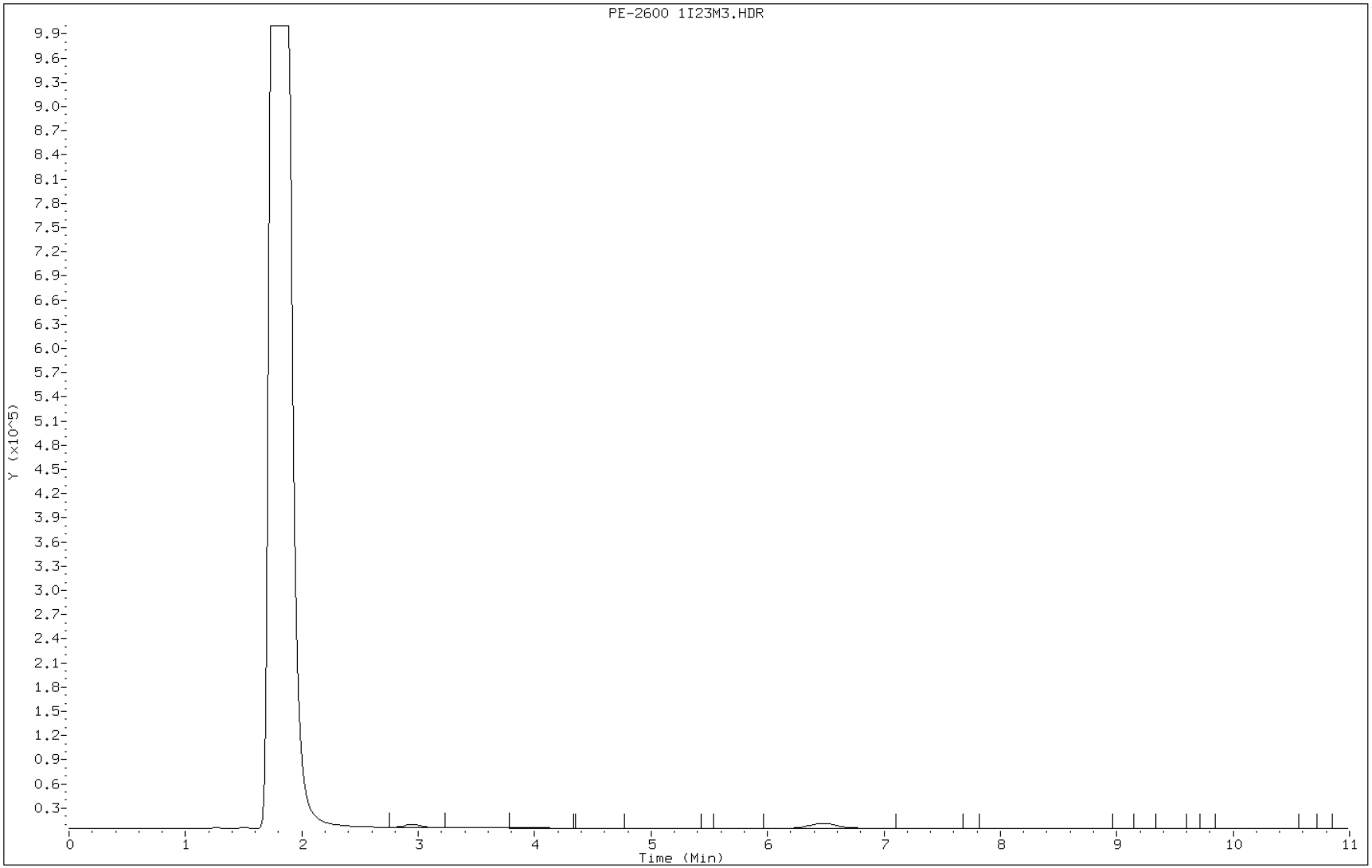
Date: 23-SEP-2009 08:50

Client ID: 60976MB

Instrument: TLCMUV1.i

Sample Info: MB 640-60976/1A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 640-60840/2-A
Matrix: Water
Lab File ID: 1I18M24.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_W_Prep
Date Extracted: 09/17/2009 11:34
Sample wt/vol: 100(mL)
Date Analyzed: 09/18/2009 14:06
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60957
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	137		50	5.0
75-07-0	Acetaldehyde	127		100	10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M24.d
Lab Smp Id: LCS 640-60840/2A Client Smp ID: 60840MBLCS
Inj Date : 18-SEP-2009 14:06
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCS 640-60840/2A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 13:41 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	100.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Formaldehyde	3.000	2.983	0.017	76780	3.41695	137	
2 Acetaldehyde	4.016	4.000	0.016	34181	3.18383	127	

Data File: 1I18M24.d

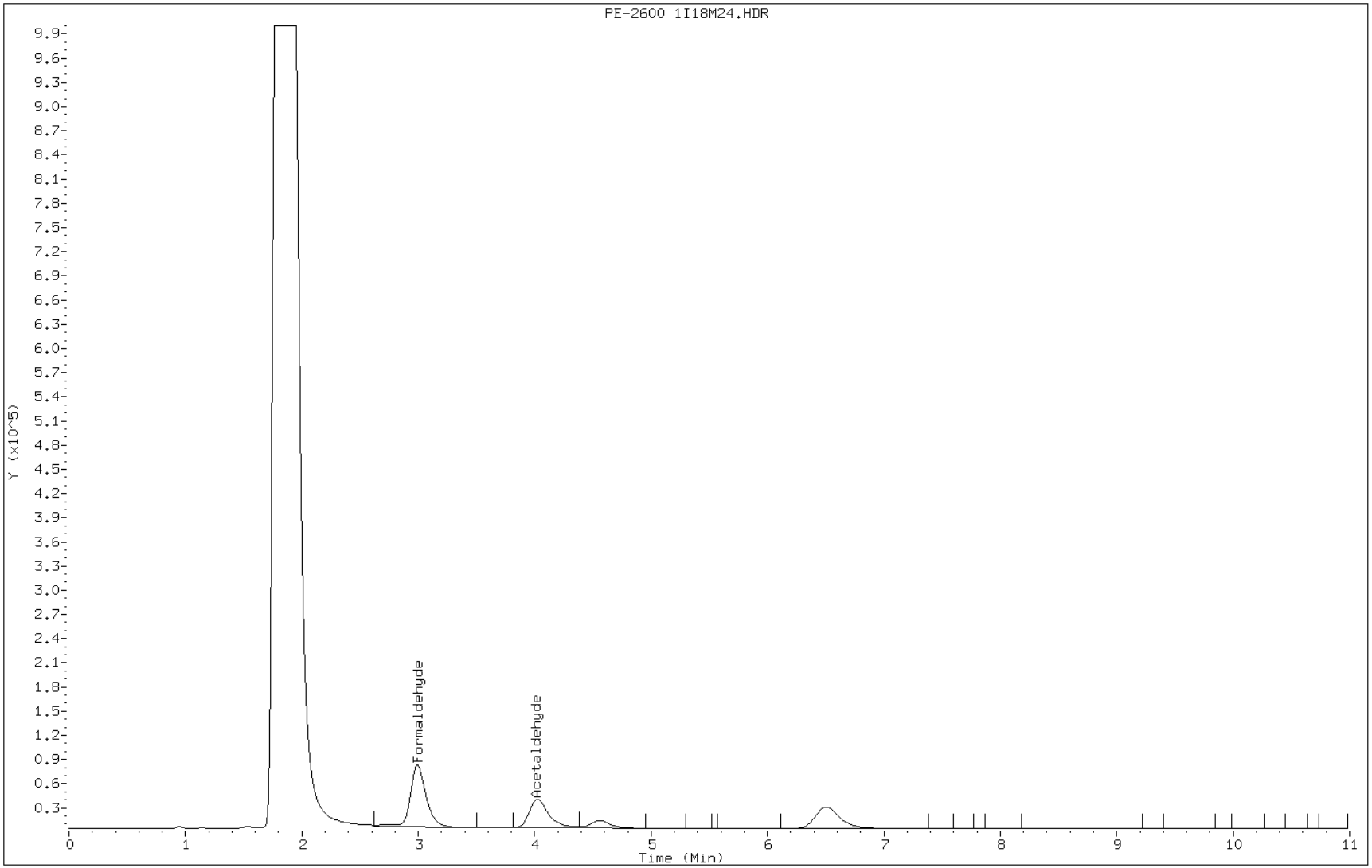
Date: 18-SEP-2009 14:06

Client ID: 60840MBLCS

Instrument: TLCMUV1.i

Sample Info: LCS 640-60840/2A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 640-60976/2-A
Matrix: Solid
Lab File ID: 1I23M4.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/21/2009 07:59
Sample wt/vol: 20.0(g)
Date Analyzed: 09/23/2009 09:01
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61261
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	760		100	78
75-07-0	Acetaldehyde	773		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M4.d
Lab Smp Id: LCS 640-60976/2A Client Smp ID: 60976MBLCS
Inj Date : 23-SEP-2009 09:01
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCS 640-60976/2A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

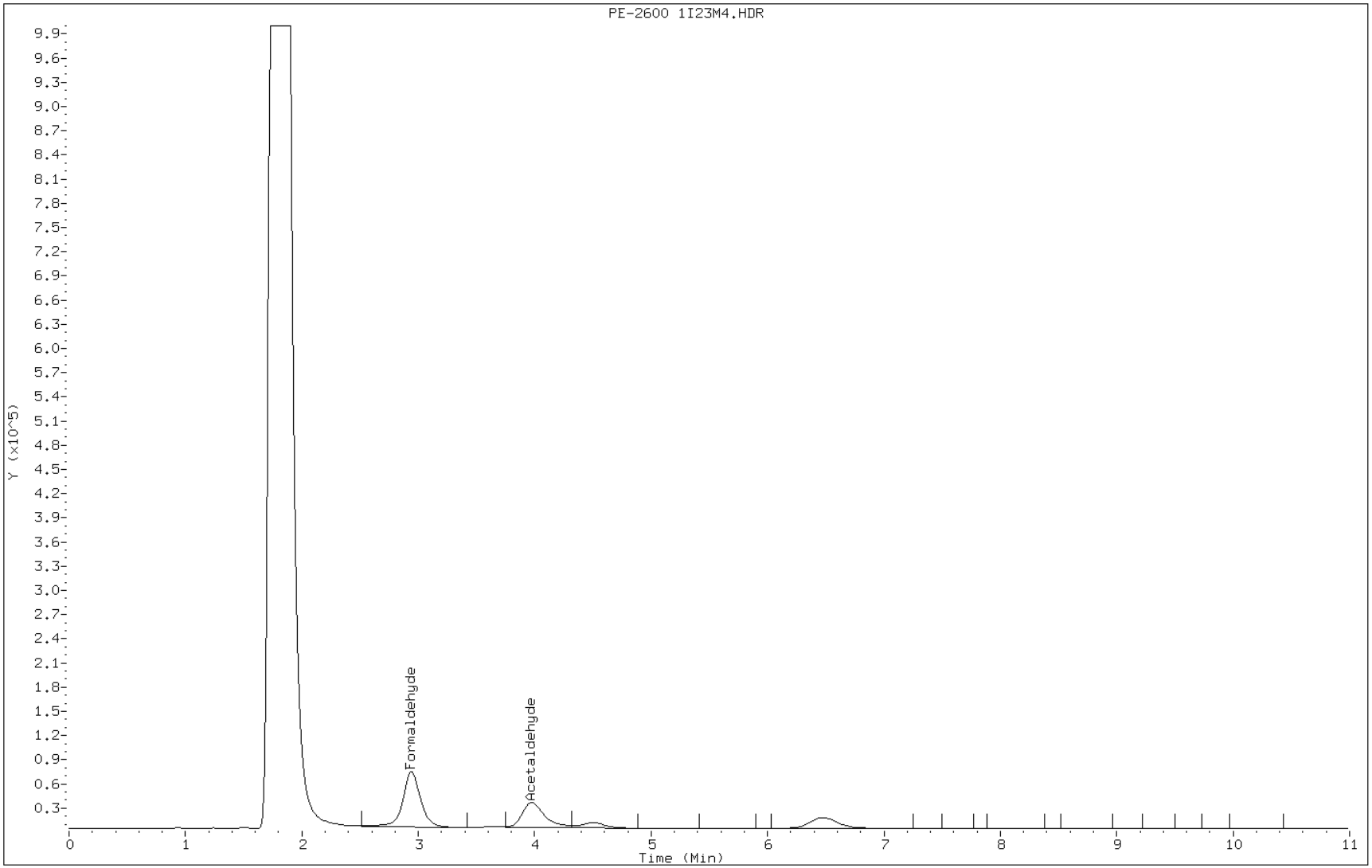
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	746043	3.79925	760	
2 Acetaldehyde	3.966	3.966	0.000	391784	3.86562	773	

Data File: 1I23M4.d

Date: 23-SEP-2009 09:01

Client ID: 60976MBLCS | Instrument: TLCMUV1.i

Sample Info: LCS 640-60976/2A | Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 640-60840/3-A
Matrix: Water
Lab File ID: 1I18M25.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_W_Prep
Date Extracted: 09/17/2009 11:34
Sample wt/vol: 100(mL)
Date Analyzed: 09/18/2009 14:18
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60957
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	145		50	5.0
75-07-0	Acetaldehyde	134		100	10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\1I18M25.d
Lab Smp Id: LCSD 640-60840/3A Client Smp ID: 60840MBLCSD
Inj Date : 18-SEP-2009 14:18
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCSD 640-60840/3A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI189.b\8315_A&F.m
Meth Date : 18-Sep-2009 13:41 rdriver Quant Type: ESTD
Cal Date : 18-SEP-2009 09:29 Cal File: 1I18M7.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	100.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Formaldehyde	2.950	2.983	-0.033	81148	3.63522	145	
2 Acetaldehyde	3.950	4.000	-0.050	35907	3.34460	134	

Data File: 1I18M25.d

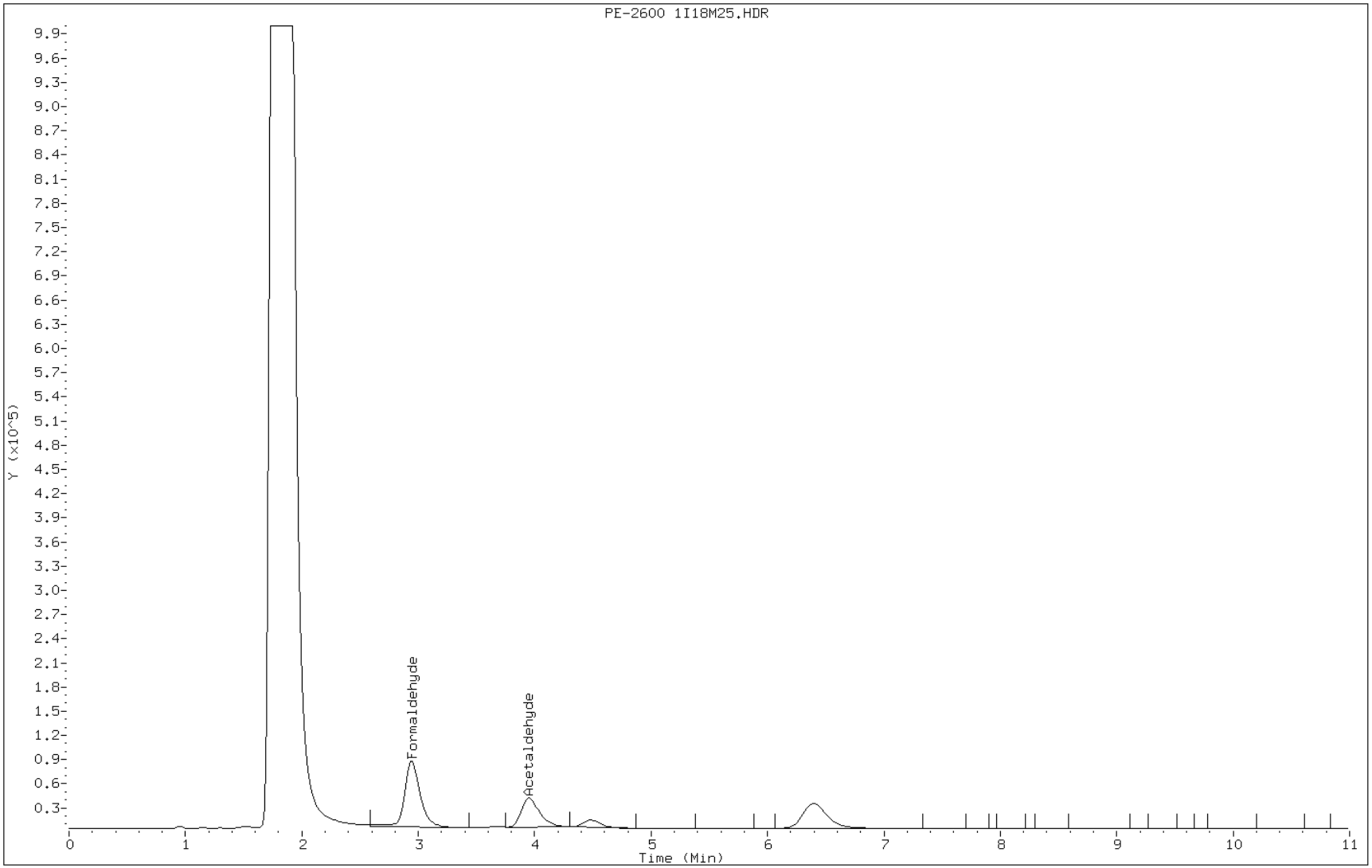
Date: 18-SEP-2009 14:18

Client ID: 60840MBLCSD

Instrument: TLCMUV1.i

Sample Info: LCSD 640-60840/3A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 640-60976/3-A
Matrix: Solid
Lab File ID: 1I23M5.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/21/2009 07:59
Sample wt/vol: 20.0(g)
Date Analyzed: 09/23/2009 09:13
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61261
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	736		100	78
75-07-0	Acetaldehyde	756		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\1I23M5.d
Lab Smp Id: LCSD 640-60976/3A Client Smp ID: 60976MBLCSD
Inj Date : 23-SEP-2009 09:13
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCSD 640-60976/3A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI239.b\8315_A&F.m
Meth Date : 24-Sep-2009 16:35 TLCMUV1.i Quant Type: ESTD
Cal Date : 22-SEP-2009 16:36 Cal File: 1I22M13.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

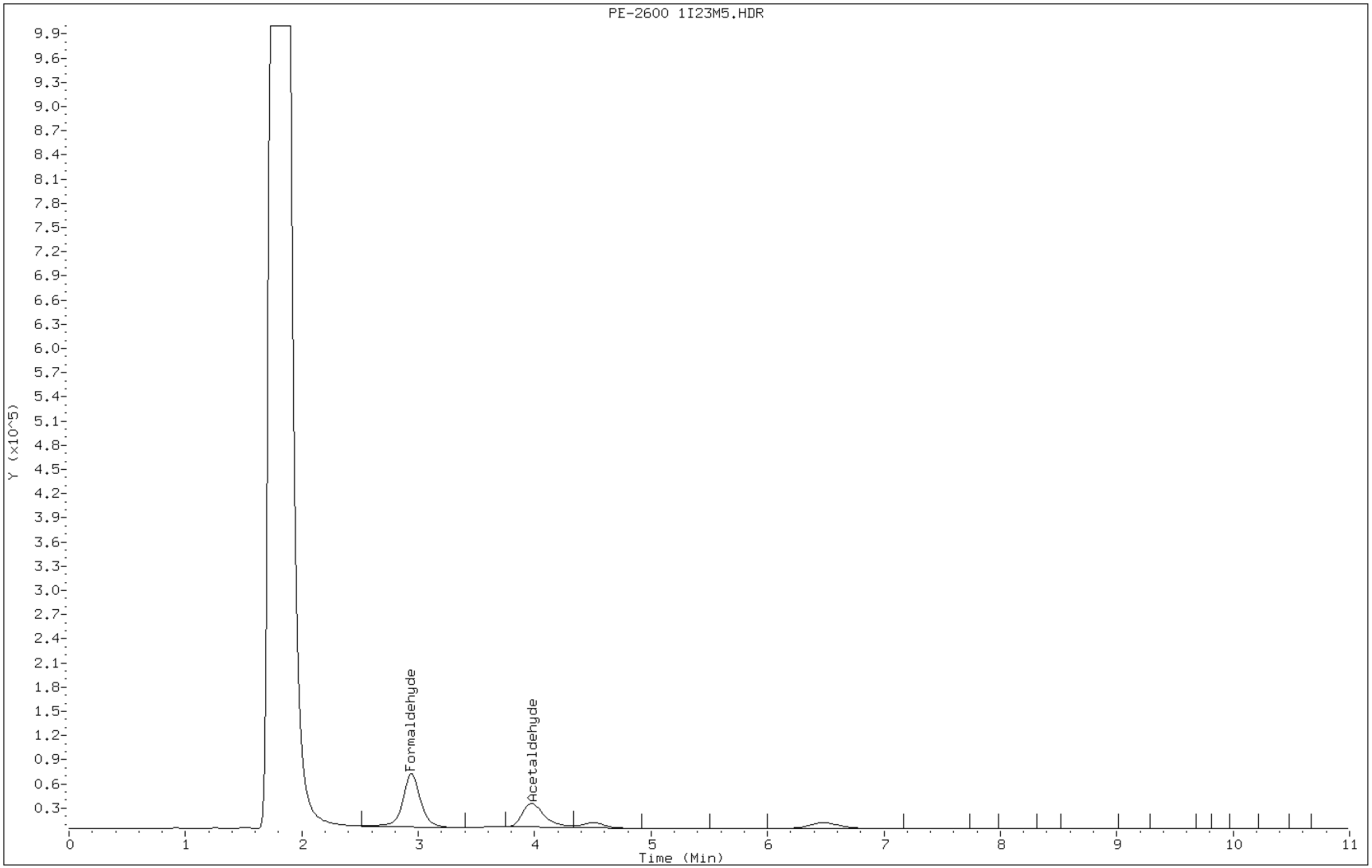
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	724417	3.68137	736	
2 Acetaldehyde	3.983	3.966	0.017	382917	3.77814	756	

Data File: 1I23M5.d

Date: 23-SEP-2009 09:13

Client ID: 60976MBLCSD | Instrument: TLCMUV1.i

Sample Info: LCSD 640-60976/3A | Operator: DS



HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCM Start Date: 09/18/2009 08:42

Analysis Batch Number: 60957 End Date: 09/18/2009 19:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 640-60957/8		09/18/2009 08:42	1	1I18M3.d	LC-C18
IC 640-60957/9		09/18/2009 08:54	1	1I18M4.d	LC-C18
IC 640-60957/10		09/18/2009 09:06	1	1I18M5.d	LC-C18
IC 640-60957/11		09/18/2009 09:18	1	1I18M6.d	LC-C18
IC 640-60957/12		09/18/2009 09:29	1	1I18M7.d	LC-C18
ZZZZZ		09/18/2009 12:05	1		LC-C18
ZZZZZ		09/18/2009 12:17	1		LC-C18
ZZZZZ		09/18/2009 12:29	1		LC-C18
CCVRT 640-60957/13		09/18/2009 13:04	1	1I18M22.d	LC-C18
MB 640-60840/1-A		09/18/2009 13:55	1	1I18M23.d	LC-C18
LCS 640-60840/2-A		09/18/2009 14:06	1	1I18M24.d	LC-C18
LCSD 640-60840/3-A		09/18/2009 14:18	1	1I18M25.d	LC-C18
ZZZZZ		09/18/2009 14:30	50		LC-C18
CCVRT 640-60957/14		09/18/2009 14:48	1	1I18M27.d	LC-C18
ZZZZZ		09/18/2009 15:06	1		LC-C18
360-24582-4	OC-EBK-010	09/18/2009 15:17	1	1I18M29.d	LC-C18
ZZZZZ		09/18/2009 15:29	1		LC-C18
ZZZZZ		09/18/2009 15:41	1		LC-C18
CCVRT 640-60957/19		09/18/2009 15:53	1	1I18M32.d	LC-C18
ZZZZZ		09/18/2009 18:35	1		LC-C18
ZZZZZ		09/18/2009 18:47	1		LC-C18
ZZZZZ		09/18/2009 18:58	1		LC-C18
ZZZZZ		09/18/2009 19:10	1		LC-C18
ZZZZZ		09/18/2009 19:22	1		LC-C18
ZZZZZ		09/18/2009 19:34	1		LC-C18
ZZZZZ		09/18/2009 19:46	1		LC-C18
CCVRT 640-60957/20		09/18/2009 19:57	1		LC-C18

8315A

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCM Start Date: 09/22/2009 15:49

Analysis Batch Number: 61260 End Date: 09/22/2009 16:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 640-61260/5		09/22/2009 15:49	1	1I22M9.d	LC-C18
IC 640-61260/1		09/22/2009 16:01	1	1I22M10.d	LC-C18
IC 640-61260/2		09/22/2009 16:12	1	1I22M11.d	LC-C18
IC 640-61260/3		09/22/2009 16:24	1	1I22M12.d	LC-C18
IC 640-61260/4		09/22/2009 16:36	1	1I22M13.d	LC-C18

8315A

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCM Start Date: 09/23/2009 08:21

Analysis Batch Number: 61261 End Date: 09/23/2009 15:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-61261/6		09/23/2009 08:21	1	1I23M2.d	LC-C18
MB 640-60976/1-A		09/23/2009 08:50	1	1I23M3.d	LC-C18
LCS 640-60976/2-A		09/23/2009 09:01	1	1I23M4.d	LC-C18
LCSD 640-60976/3-A		09/23/2009 09:13	1	1I23M5.d	LC-C18
360-24582-1	OC-SB-457-28/30-XXX	09/23/2009 09:25	1	1I23M6.d	LC-C18
ZZZZZ		09/23/2009 09:37	1		LC-C18
ZZZZZ		09/23/2009 09:49	1		LC-C18
ZZZZZ		09/23/2009 10:00	1		LC-C18
ZZZZZ		09/23/2009 10:12	1		LC-C18
ZZZZZ		09/23/2009 10:24	1		LC-C18
ZZZZZ		09/23/2009 10:36	1		LC-C18
ZZZZZ		09/23/2009 10:48	1		LC-C18
ZZZZZ		09/23/2009 10:59	1		LC-C18
ZZZZZ		09/23/2009 11:11	1		LC-C18
ZZZZZ		09/23/2009 11:23	1		LC-C18
ZZZZZ		09/23/2009 11:35	1		LC-C18
ZZZZZ		09/23/2009 11:47	1		LC-C18
ZZZZZ		09/23/2009 11:58	1		LC-C18
CCVRT 640-61261/7		09/23/2009 12:22	1	1I23M21.d	LC-C18
ZZZZZ		09/23/2009 12:34	1		LC-C18
ZZZZZ		09/23/2009 12:46	1		LC-C18
ZZZZZ		09/23/2009 12:57	1		LC-C18
ZZZZZ		09/23/2009 13:09	1		LC-C18
ZZZZZ		09/23/2009 13:21	1		LC-C18
ZZZZZ		09/23/2009 13:45	1		LC-C18
ZZZZZ		09/23/2009 13:56	2		LC-C18
ZZZZZ		09/23/2009 15:03	10		LC-C18

8315A

Organic Prep Worksheet

Batch Number: 640-60840
Method: 8315_W_Prep
Analyst: Smith, Daniel N

Date Open: Sep 17 2009 11:34AM
Batch End: Sep 17 2009 3:28PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Final pH	LCS8315SPK_00009
MB~640-60840/1		8315_W_Prep, 8315A		100 mL	4.0 mL	5	
LCS~640-60840/2		8315_W_Prep, 8315A		100 mL	4.0 mL	5	150 uL
LCSD~640-60840/3		8315_W_Prep, 8315A		100 mL	4.0 mL	5	150 uL
360-24582-J-4	OC-EBK-010	8315_W_Prep, 8315A	T	100 mL	4.0 mL	5	
360-24634-N-18	OC-EBK-011		T	100 mL	4.0 mL	5	
560-17269-W-2	FI-EMWL8T-040-R		T	100 mL	4.0 mL	5	
560-17269-W-4	FI-EMWL9T-040-R		T	100 mL	4.0 mL	5	
560-17269-W-4~MS			T	100 mL	4.0 mL	5	150 uL
560-17269-W-4~MSD			T	100 mL	4.0 mL	5	150 uL
560-17269-W-5	FI-EMWL9T-041-R		T	100 mL	4.0 mL	5	
660-31646-A-1	2001-19-257		T	10 mL	4.0 mL	5	
660-31646-A-1	2001-19-257		T	1 mL	4.0 mL	5	

Acetate Buffer Lot #:	LCR1-38-1
Acetonitrile Lot#:	A16815; MeOH H06E30
DNPH Lot#:	LCR1-38-6
HPLC H2O Lot#:	091709
Person's name who witnessed reagent drop:	DS
Saturated NaCl Lot#:	LCR1-40-3

Organic Prep Worksheet

Batch Number: 640-60840
Method: 8315_W_Prep
Analyst: Smith, Daniel N

Date Open: Sep 17 2009 11:34AM
Batch End: Sep 17 2009 3:28PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60840/1		8315_W_Prep, 8315A		
LCS~640-60840/2		8315_W_Prep, 8315A		
LCSD~640-60840/3		8315_W_Prep, 8315A		
360-24582-J-4	OC-EBK-010	8315_W_Prep, 8315A	T	
360-24634-N-18	OC-EBK-011		T	
560-17269-W-2	FI-EMWL8T-040-R		T	
560-17269-W-4	FI-EMWL9T-040-R		T	
560-17269-W-4~MS			T	
560-17269-W-4~MSD			T	
560-17269-W-5	FI-EMWL9T-041-R		T	
660-31646-A-1	2001-19-257		T	
660-31646-A-1	2001-19-257		T	

Batch Comment: 8315A

Organic Prep Worksheet

Batch Number: 640-60976
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Sep 21 2009 7:59AM
Batch End: Sep 21 2009 1:50PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Final pH	LCS8315SPK_00010
MB~640-60976/1		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	
LCS~640-60976/2		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	150 uL
LCSD~640-60976/3		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	150 uL
360-24582-H-1	OC-SB-457-28/30-XXX	8315_S_Prep, 8315A	T	20.0 g	4.0 mL	5	
360-24634-F-4	OC-SS-420-0.0/1.0-XXX		T	20.1 g	4.0 mL	5	
360-24634-F-4~MS			T	20.4 g	4.0 mL	5	150 uL
360-24634-F-4~MSD			T	20.0 g	4.0 mL	5	150 uL
360-24634-F-6	OC-SS-422-0.0/1.0-XXX		T	20.2 g	4.0 mL	5	
360-24634-F-8	OC-SS-424-0.0/1.0-XXX		T	20.0 g	4.0 mL	5	
360-24634-F-11	OC-SS-427-0.0/1.0-XXX		T	20.2 g	4.0 mL	5	
360-24634-F-13	OC-SS-429-0.0/1.0-XXX		T	20.0 g	4.0 mL	5	
360-24634-F-15	OC-SS-431-0.0/1.0-XXX		T	20.3 g	4.0 mL	5	

Acetate Buffer Lot #:	LCR1-38-1
Acetonitrile Lot#:	A16815; MeOH H06E30
DNPH Lot#:	LCR1-38-6
HPLC 8315 Soil Buffer Lot#:	092109A
HPLC H2O Lot#:	092109
Saturated NaCl Lot#:	LCR1-40-3
Person's name who witnessed reagent drop:	DS

Organic Prep Worksheet

Batch Number: 640-60976
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Sep 21 2009 7:59AM
Batch End: Sep 21 2009 1:50PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60976/1		8315_S_Prep, 8315A		
LCS~640-60976/2		8315_S_Prep, 8315A		
LCSD~640-60976/3		8315_S_Prep, 8315A		
360-24582-H-1	OC-SB-457-28/30-XXX	8315_S_Prep, 8315A	T	
360-24634-F-4	OC-SS-420-0.0/1.0-XXX		T	
360-24634-F-4~MS			T	
360-24634-F-4~MSD			T	
360-24634-F-6	OC-SS-422-0.0/1.0-XXX		T	
360-24634-F-8	OC-SS-424-0.0/1.0-XXX		T	
360-24634-F-11	OC-SS-427-0.0/1.0-XXX		T	
360-24634-F-13	OC-SS-429-0.0/1.0-XXX		T	
360-24634-F-15	OC-SS-431-0.0/1.0-XXX		T	

Batch Comment: 8315A

LC65

Maleic and Phthalic Acid (DAI/HLPC) by Method LC65

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: 1I21J4.d

Lab ID: LCS 640-60871/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	40.0	15.3	38	53-151	*

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: 1I24K7.d

Lab ID: LCS 640-60977/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	400	295	74	60-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water Level: Low Lab File ID: 1I21J5.d

Lab ID: LCSD 640-60871/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	40.0	11.1	28	32	46	53-151	*

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: 1I24K8.d

Lab ID: LCSD 640-60977/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	400	273	68	8	50	60-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: 1I21J3.d Lab Sample ID: MB 640-60871/1-A

Matrix: Water Date Extracted: 09/17/2009 11:15

Instrument ID: LCJ Date Analyzed: 09/21/2009 01:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60871/2-A	1I21J4.d	09/21/2009 01:37
	LCSD 640-60871/3-A	1I21J5.d	09/21/2009 01:50
OC-EBK-010	360-24582-4	1I21J6.d	09/21/2009 02:03

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab File ID: 1I24K6.d Lab Sample ID: MB 640-60977/1-A

Matrix: Solid Date Extracted: 09/21/2009 08:05

Instrument ID: LCK Date Analyzed: 09/24/2009 11:18

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60977/2-A	1I24K7.d	09/24/2009 11:27
	LCSD 640-60977/3-A	1I24K8.d	09/24/2009 11:36
OC-SB-457-28/30-XXX	360-24582-1	1I24K13.d	09/24/2009 15:48

FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SB-457-28/30-XXX | Lab Sample ID: 360-24582-1

Matrix: Solid | Lab File ID: 1I24K13.d

Analysis Method: LC65 | Date Collected: 09/14/2009 11:30

Extract. Method: LC65 | Date Extracted: 09/21/2009 08:05

Sample wt/vol: 5.12(g) | Date Analyzed: 09/24/2009 15:48

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 50(uL) | Level: (low/med) Low

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 61236 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		130	23

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K13.d
Lab Smp Id: 360-24582-H-1-B Client Smp ID: OC-SB-457-28/30-XXX
Inj Date : 24-SEP-2009 15:48
Operator : Inst ID: TLCKUV1.i
Smp Info : 360-24582-H-1-B
Misc Info : 360-24582-H-1-B
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 25-Sep-2009 11:11 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.120	Weight of sample extracted
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

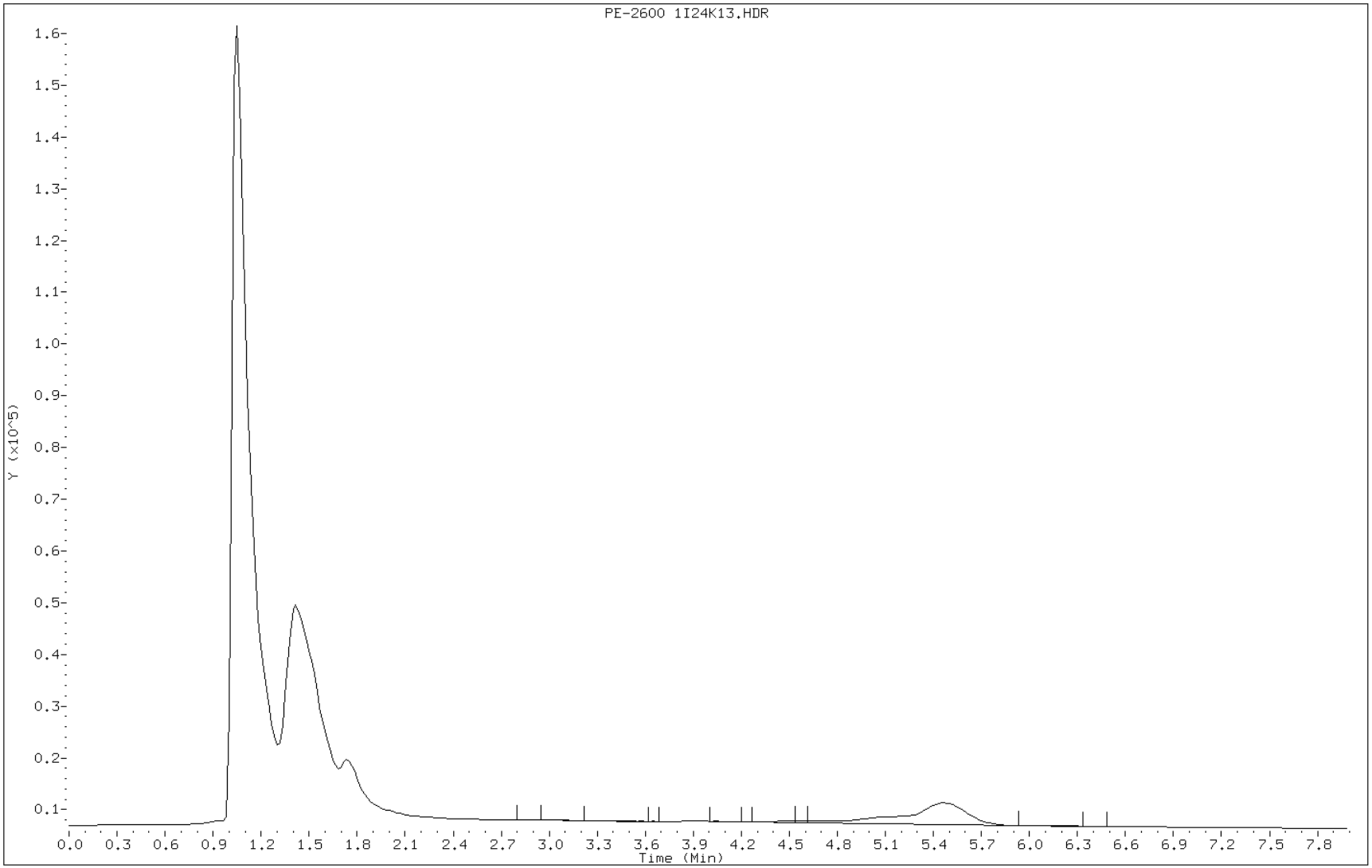
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	Compound Not Detected.						

Data File: 1I24K13.d

Date: 24-SEP-2009 15:48

Client ID: OC-SB-457-28/30-XXX Instrument: TLCKUV1.i

Sample Info: 360-24582-H-1-B Operator:



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-EBK-010 | Lab Sample ID: 360-24582-4

Matrix: Water | Lab File ID: 1I21J6.d

Analysis Method: LC65 | Date Collected: 09/14/2009 13:00

Extract. Method: LC65 | Date Extracted: 09/17/2009 11:15

Sample wt/vol: 50(mL) | Date Analyzed: 09/21/2009 02:03

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 61147 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND	*	10	1.4

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\1I21J6.d
Lab Smp Id: 360-24582-M-4-A Client Smp ID: OC-EBK-010
Inj Date : 21-SEP-2009 02:03
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24582-M-4-A
Misc Info : 360-24582-M-4-A
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\PHTH-MAL-ANEX.m
Meth Date : 21-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	50.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

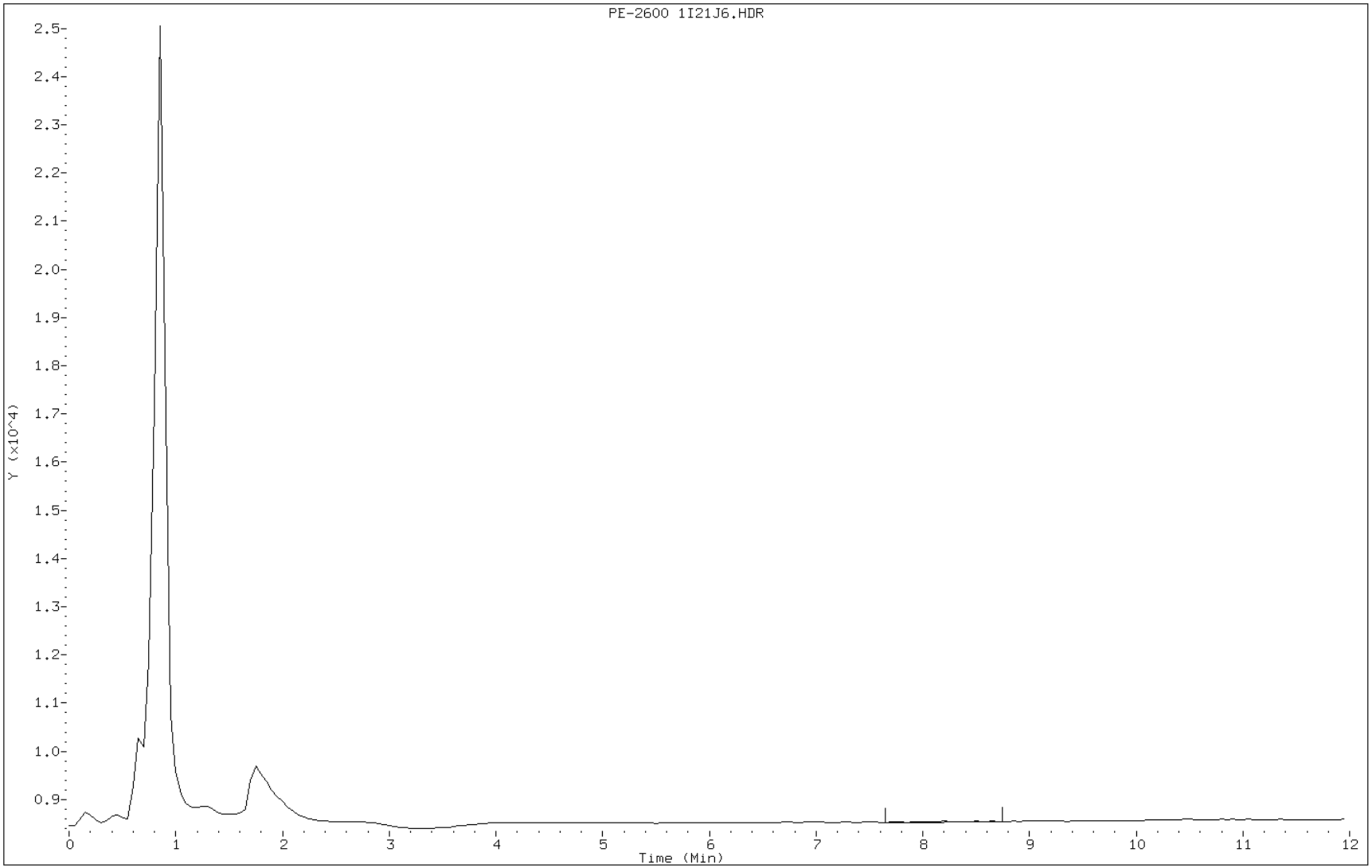
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.						
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1I21J6.d

Date: 21-SEP-2009 02:03

Client ID: OC-EBK-010 Instrument: TLCJUV1.i

Sample Info: 360-24582-M-4-A Operator: RD



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60307

SDG No.: OCRI-15

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	LVL 1	LVL 2	LVL 3								RT WINDOW	AVG RT
Phthalic Acid/Phthalic anhydride	7.310	7.304	7.239								6.939 - 7.669	7.284
Maleic Acid/Maleic anhydride	9.331	9.326	9.322								8.865 - 9.798	9.326

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60307

SDG No.: OCRI-15

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3			B	M1	M2								
Phthalic Acid/Phthalic	5520.0	5610.0	5794.1		Ave		5641				2.5		10.0			
Maleic Acid/Maleic	3640.0	3628.0	3562.0		Ave		3610				1.2		10.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 60307

SDG No.: OCRI-15

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phthalic Acid/Phthalic anhydride	Ave	552	2805	57941			0.100	0.500	10.0		
Maleic Acid/Maleic anhydride	Ave	364	1814	35620			0.100	0.500	10.0		

Curve Type Legend:

Ave = Average by Height

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J2.d
Lab Smp Id: C1.4-13-17-7 Client Smp ID: C1.4-13-17-7
Inj Date : 23-JUL-2009 15:44
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C1.4-13-17-7
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 15:44 Cal File: 1G23J2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

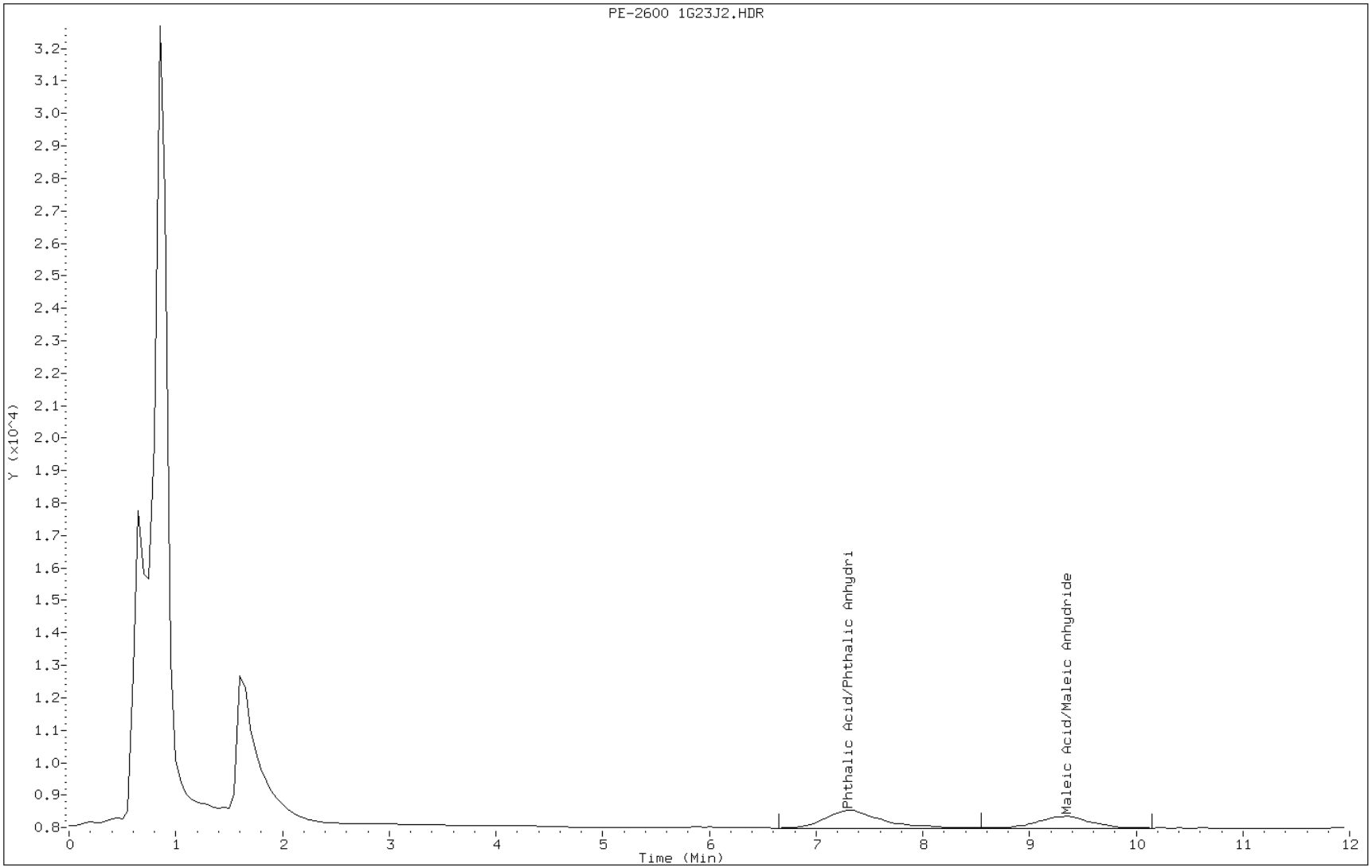
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.310	7.310	0.000	6803	0.10000	0.100	
2 Maleic Acid/Maleic Anhydride	9.330	9.330	0.000	364	0.10000	0.100	

Data File: 1G23J2.d

Date: 23-JUL-2009 15:44

Client ID: C1.4-13-17-7 Instrument: TLCJUV1.i

Sample Info: C1.4-13-17-7 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J3.d
Lab Smp Id: C2.4-13-17-8 Client Smp ID: C2.4-13-17-8
Inj Date : 23-JUL-2009 15:57
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C2.4-13-17-8
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 15:57 Cal File: 1G23J3.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

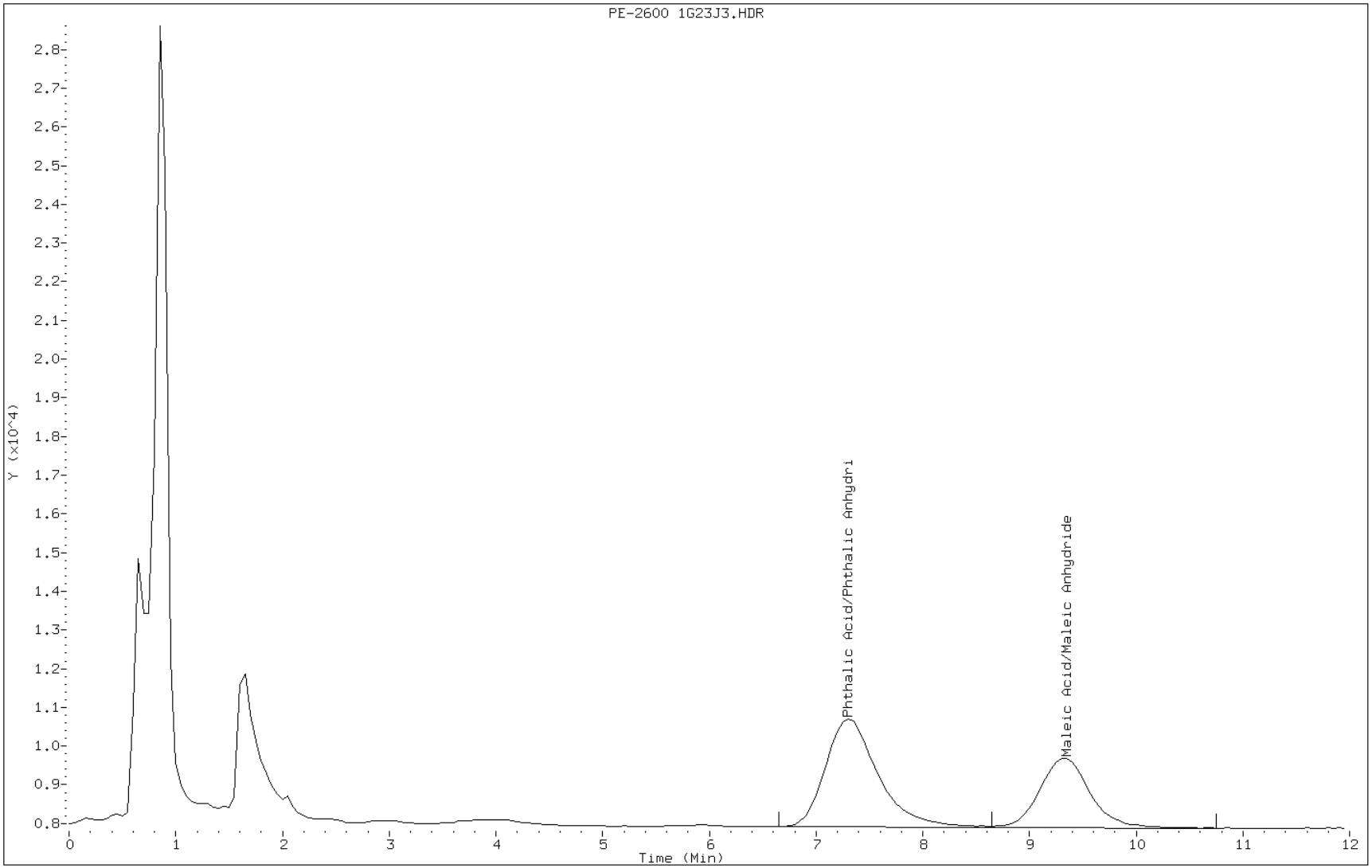
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.304	7.304	0.000	31733	0.50000	0.483	
2 Maleic Acid/Maleic Anhydride	9.325	9.325	0.000	1814	0.50000	0.499	

Data File: 1G23J3.d

Date: 23-JUL-2009 15:57

Client ID: C2.4-13-17-8 Instrument: TLCJUV1.i

Sample Info: C2.4-13-17-8 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J4.d
Lab Smp Id: C3.4-13-17-9 Client Smp ID: C3.4-13-17-9
Inj Date : 23-JUL-2009 16:10
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C3.4-13-17-9
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

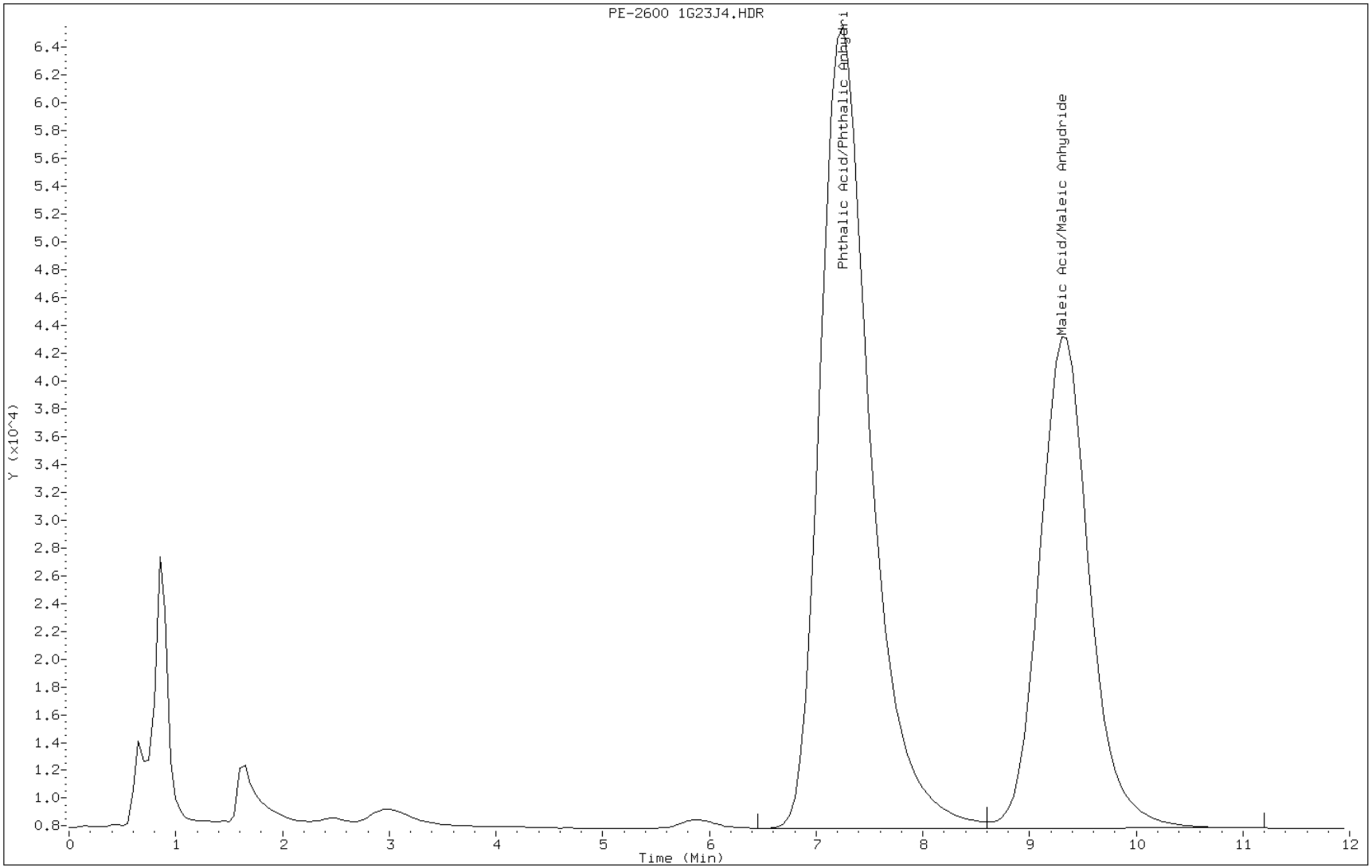
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.239	7.239	0.000	628915	10.0000	9.71	
2 Maleic Acid/Maleic Anhydride	9.322	9.322	0.000	35620	10.0000	9.87	

Data File: 1G23J4.d

Date: 23-JUL-2009 16:10

Client ID: C3.4-13-17-9 Instrument: TLCJUV1.i

Sample Info: C3.4-13-17-9 Operator: DS



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61148

SDG No.: OCRI-15

Instrument ID: LCK GC Column: LC-C8 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2009 10:54 Calibration End Date: 09/11/2009 11:12 Calibration ID: 291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61148/1	1I11K1.d
Level 2	IC 640-61148/2	1I11K2.d
Level 3	IC 640-61148/3	1I11K3.d

ANALYTE	LVL 1	LVL 2	LVL 3								RT WINDOW	AVG RT
Phthalic Acid/Phthalic anhydride	3.733	3.734	3.721								3.571 - 3.869	3.729
Maleic Acid/Maleic anhydride	4.902	4.886	4.868								4.682 - 5.072	4.885

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61148

SDG No.: OCRI-15

Instrument ID: LCK GC Column: LC-C8 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2009 10:54 Calibration End Date: 09/11/2009 11:12 Calibration ID: 291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61148/1	1I11K1.d
Level 2	IC 640-61148/2	1I11K2.d
Level 3	IC 640-61148/3	1I11K3.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3			B	M1	M2								
Phthalic Acid/Phthalic	18060	18704	17716		Ave		18160				2.8		10.0			
Maleic Acid/Maleic	11810	10218	9394.2		Lin	0	9361							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1 Analy Batch No.: 61148

SDG No.: OCRI-15

Instrument ID: LCK GC Column: LC-C8 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2009 10:54 Calibration End Date: 09/11/2009 11:12 Calibration ID: 291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-61148/1	1I11K1.d
Level 2	IC 640-61148/2	1I11K2.d
Level 3	IC 640-61148/3	1I11K3.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phthalic Acid/Phthalic anhydride	Ave	1806	9352	177164			0.100	0.500	10.0		
Maleic Acid/Maleic anhydride	Lin	1181	5109	93942			0.100	0.500	10.0		

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\1I11K1.d
Lab Smp Id: C1.4-13-24-10 Client Smp ID: C1.4-13-24-10
Inj Date : 11-SEP-2009 10:54
Operator : Inst ID: TLCKUV1.i
Smp Info : C1.4-13-24-10
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\PHTH-MAL-C8.m
Meth Date : 22-Sep-2009 22:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 10:54 Cal File: 1I11K1.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

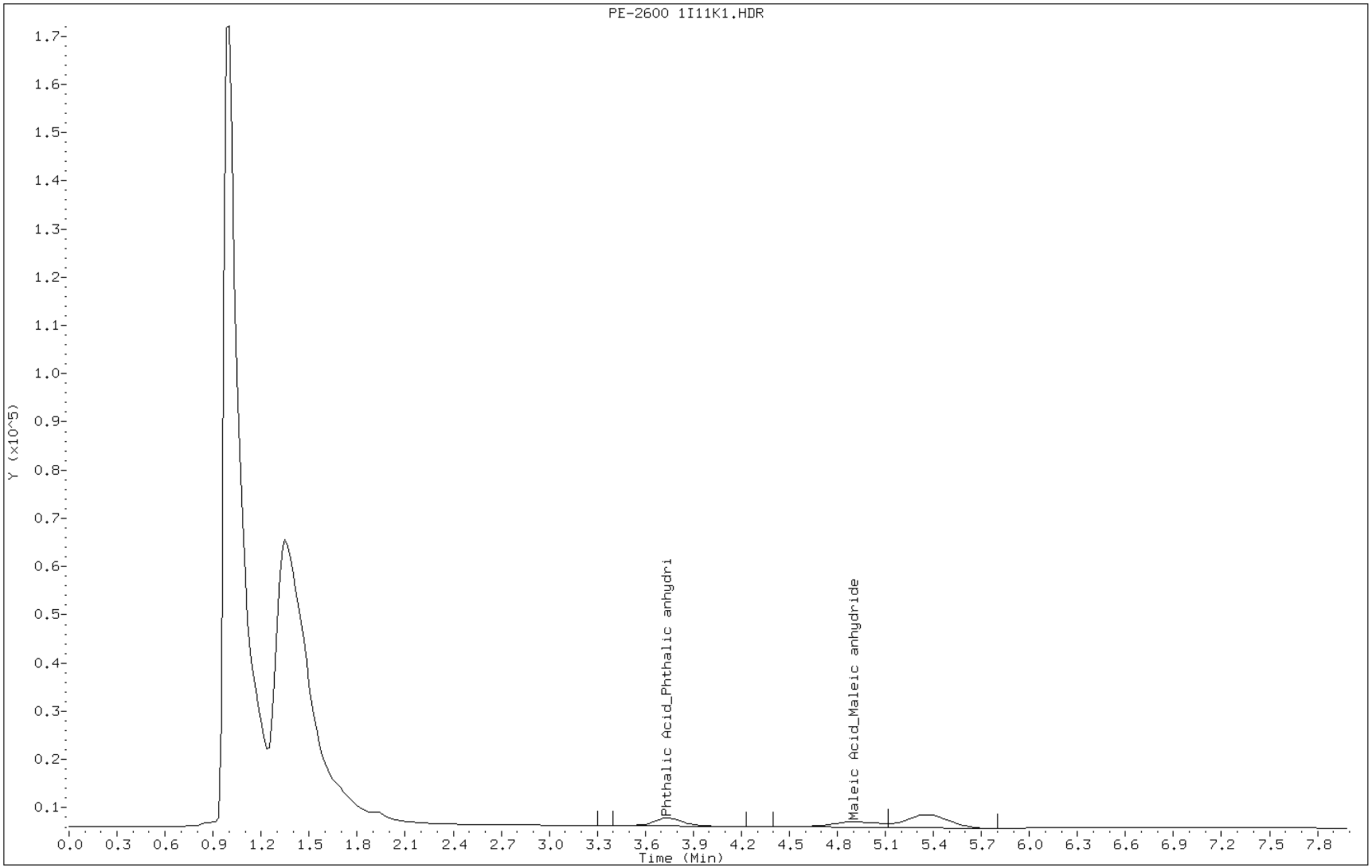
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.733	3.733	0.000	1806	0.10000	0.100	
2 Maleic Acid_Maleic anhydride	4.902	4.902	0.000	1181	0.10000	0.100	

Data File: 1I11K1.d

Date: 11-SEP-2009 10:54

Client ID: C1.4-13-24-10 Instrument: TLCKUV1.i

Sample Info: C1.4-13-24-10 Operator:



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\1I11K2.d
Lab Smp Id: C2.4-13-24-11 Client Smp ID: C2.4-13-24-11
Inj Date : 11-SEP-2009 11:03
Operator : Inst ID: TLCKUV1.i
Smp Info : C2.4-13-24-11
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\PHTH-MAL-C8.m
Meth Date : 22-Sep-2009 22:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:03 Cal File: 1I11K2.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

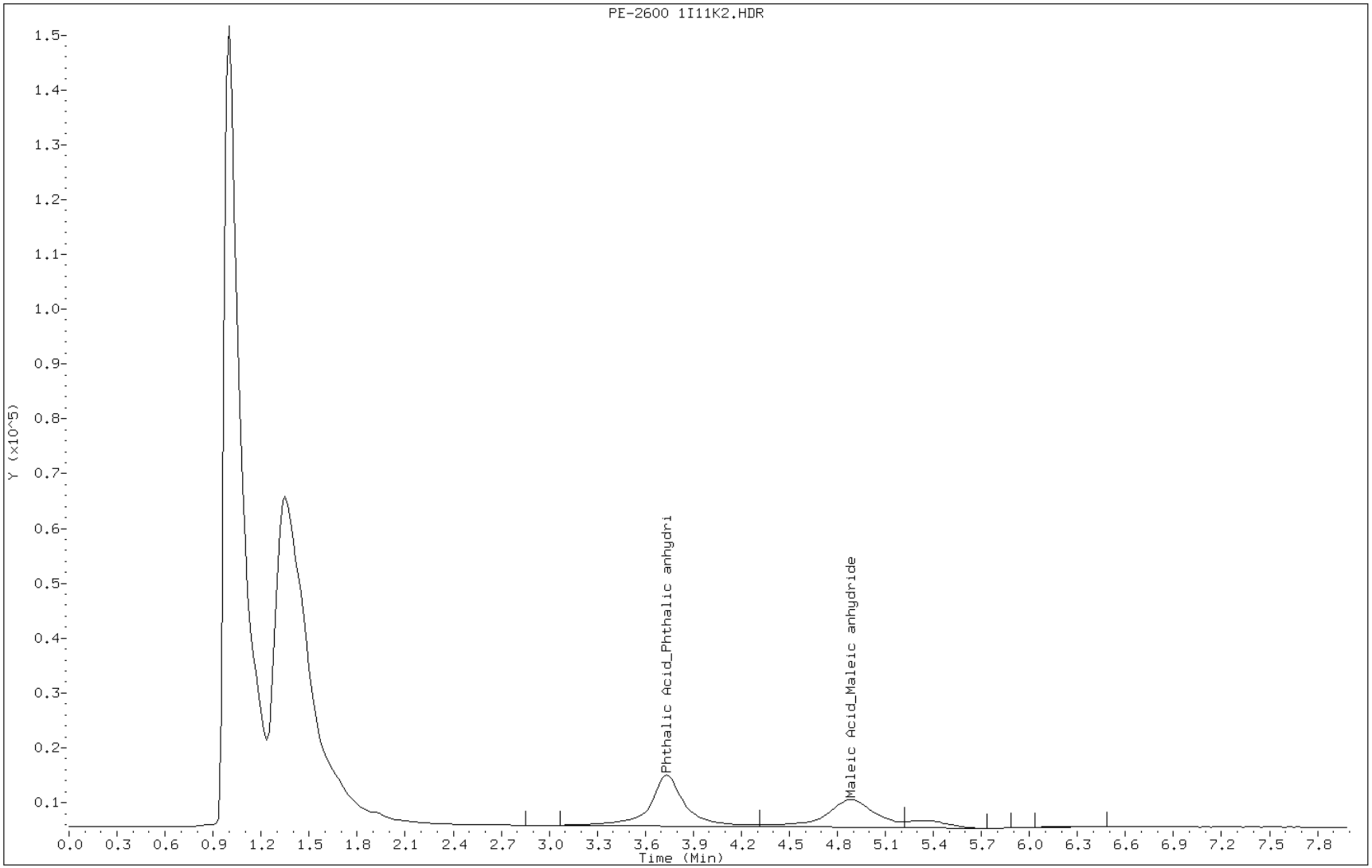
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.733	3.733	0.000	9352	0.50000	0.509	
2 Maleic Acid_Maleic anhydride	4.885	4.885	0.000	5109	0.50000	0.500	

Data File: 1I11K2.d

Date: 11-SEP-2009 11:03

Client ID: C2.4-13-24-11 Instrument: TLCKUV1.i

Sample Info: C2.4-13-24-11 Operator:



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\1I11K3.d
Lab Smp Id: C3.4-13-24-12 Client Smp ID: C3.4-13-24-12
Inj Date : 11-SEP-2009 11:12
Operator : Inst ID: TLCKUV1.i
Smp Info : C3.4-13-24-12
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI119.b\PHTH-MAL-C8.m
Meth Date : 22-Sep-2009 22:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

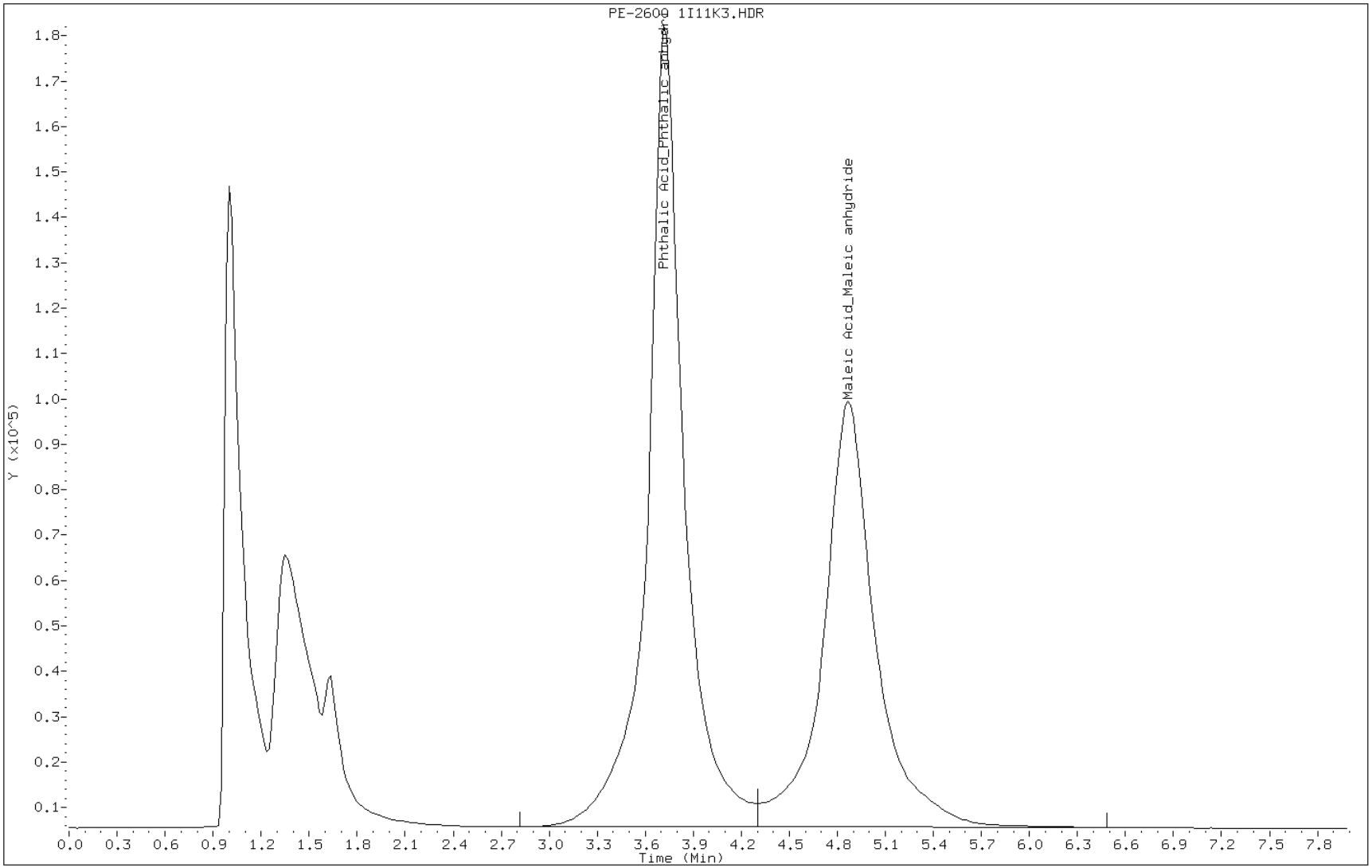
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.720	3.720	0.000	177164	10.0000	9.76	
2 Maleic Acid_Maleic anhydride	4.867	4.867	0.000	93942	10.0000	10.0	

Data File: 1I11K3.d

Date: 11-SEP-2009 11:12

Client ID: C3.4-13-24-12 Instrument: TLCKUV1.i

Sample Info: C3.4-13-24-12 Operator:



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/1 Calibration Date: 09/24/2009 10:32

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K1.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	18160	19770		0.540	0.500	8.9	20.0
Maleic Acid/Maleic anhydride	Lin	10474	10993		0.550	0.500	10.3	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/1 Calibration Date: 09/24/2009 10:32

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K1.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	3.71	3.48	3.77
Maleic Acid/Maleic anhydride	4.83	4.53	4.90

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K1.d
Lab Smp Id: M2.4-13-26-3 Client Smp ID: M2.4-13-26-3
Inj Date : 24-SEP-2009 10:32
Operator : Inst ID: TLCKUV1.i
Smp Info : M2.4-13-26-3
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 24-Sep-2009 13:59 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

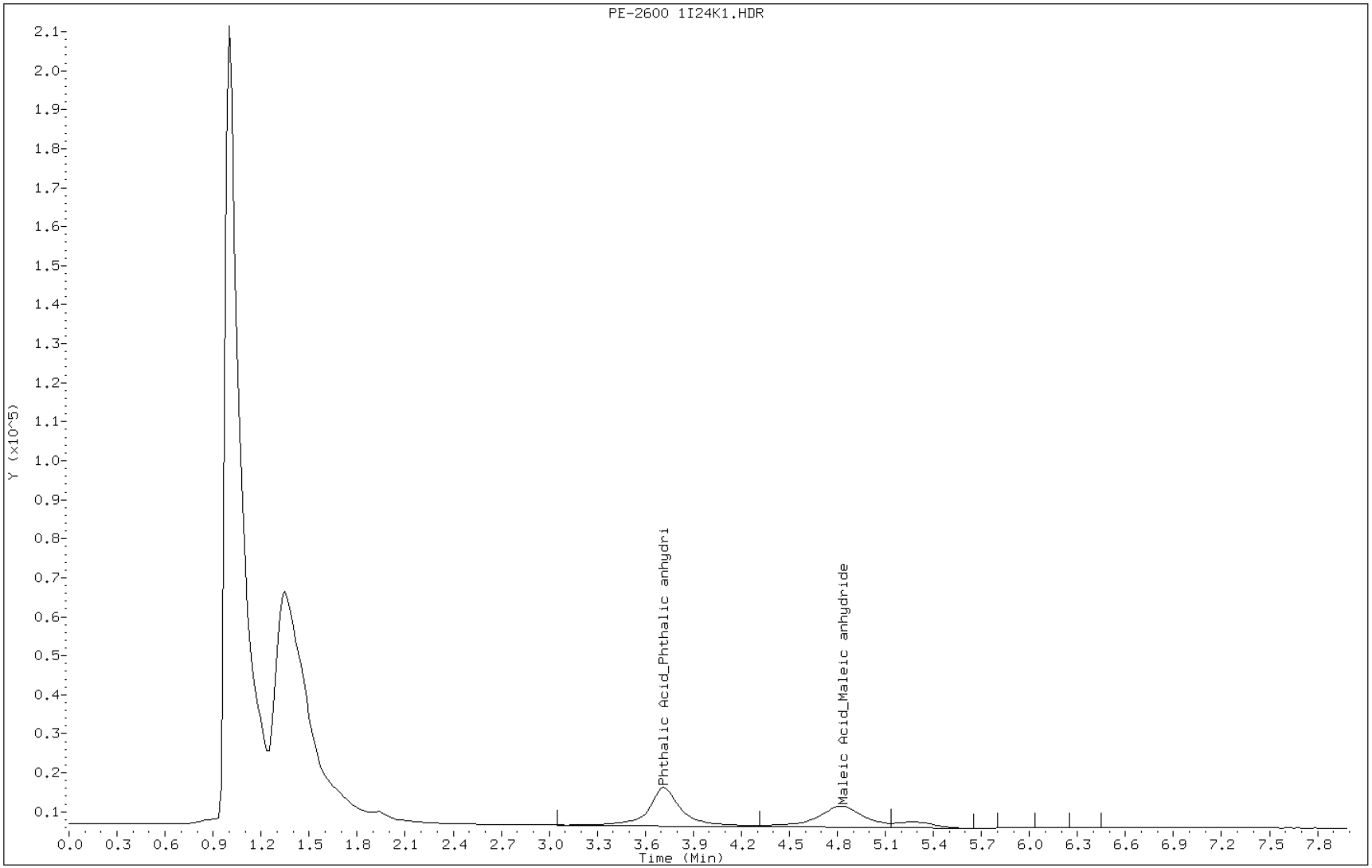
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.714	3.714	0.000	9885	0.50000	0.544	
2 Maleic Acid_Maleic anhydride	4.825	4.825	0.000	5499	0.50000	0.552	

Data File: 1I24K1.d

Date: 24-SEP-2009 10:32

Client ID: M2.4-13-26-3 Instrument: TLCKUV1.i

Sample Info: M2.4-13-26-3 Operator:



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/4 Calibration Date: 09/24/2009 12:12

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K12.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	18160	19308		0.530	0.500	6.3	20.0
Maleic Acid/Maleic anhydride	Lin	10474	10905		0.550	0.500	9.3	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/4 Calibration Date: 09/24/2009 12:12

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K12.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	3.64	3.48	3.77
Maleic Acid/Maleic anhydride	4.73	4.53	4.90

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K12.d
Lab Smp Id: M2.4-13-26-2 Client Smp ID: M2.4-13-26-2
Inj Date : 24-SEP-2009 12:12
Operator : Inst ID: TLCKUV1.i
Smp Info : M2.4-13-26-2
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 25-Sep-2009 11:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

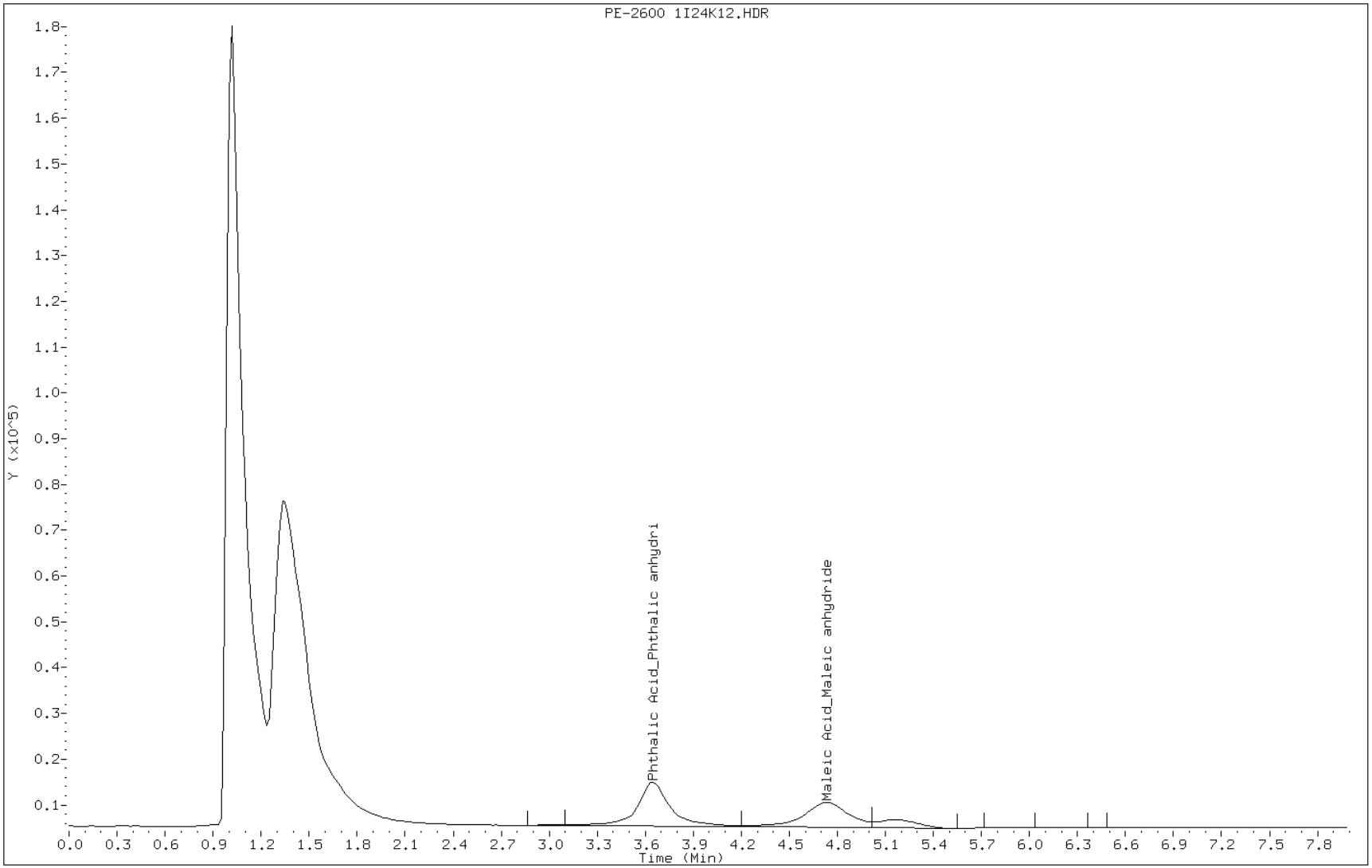
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.644	3.644	0.000	9654	0.50000	0.532	
2 Maleic Acid_Maleic anhydride	4.734	4.734	0.000	5455	0.50000	0.547	

Data File: 1I24K12.d

Date: 24-SEP-2009 12:12

Client ID: M2.4-13-26-2 Instrument: TLCKUV1.i

Sample Info: M2.4-13-26-2 Operator:



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/11 Calibration Date: 09/24/2009 16:42

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K19.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	18160	18600		0.510	0.500	2.4	20.0
Maleic Acid/Maleic anhydride	Lin	10474	9853		0.490	0.500	-1.9	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 640-61236/11 Calibration Date: 09/24/2009 16:42

Instrument ID: LCK Calib Start Date: 09/11/2009 10:54

GC Column: LC-C8 ID: Calib End Date: 09/11/2009 11:12

Lab File ID: 1I24K19.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	3.63	3.48	3.77
Maleic Acid/Maleic anhydride	4.72	4.53	4.90

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K19.d
Lab Smp Id: M2.4-13-26-3 Client Smp ID: M2.4-13-26-3
Inj Date : 24-SEP-2009 16:42
Operator : Inst ID: TLCKUV1.i
Smp Info : M2.4-13-26-3
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 25-Sep-2009 11:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

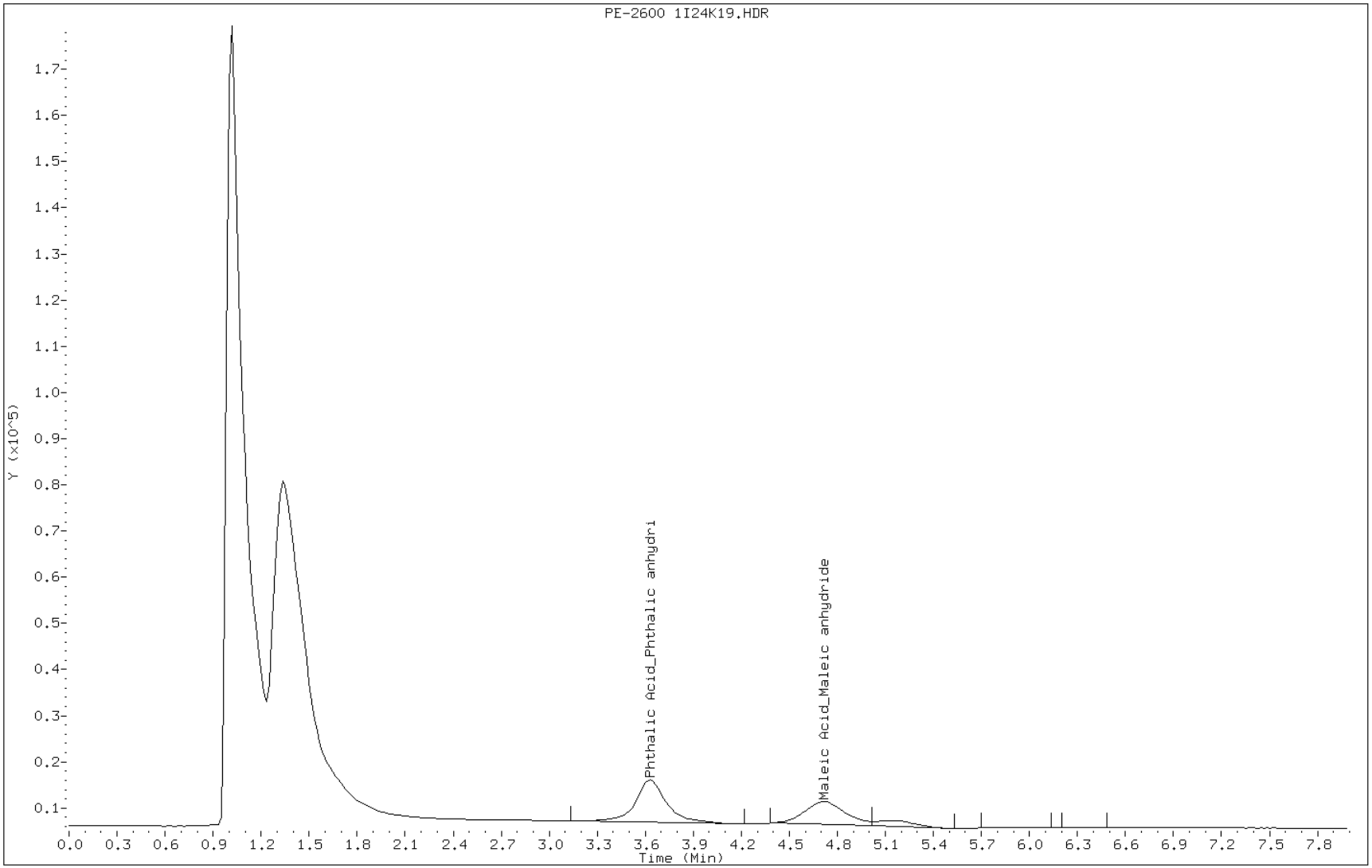
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.627	3.627	0.000	9300	0.50000	0.512	
2 Maleic Acid_Maleic anhydride	4.716	4.716	0.000	4929	0.50000	0.491	

Data File: 1I24K19.d

Date: 24-SEP-2009 16:42

Client ID: M2.4-13-26-3 Instrument: TLCKUV1.i

Sample Info: M2.4-13-26-3 Operator:



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 640-60871/1-A
Matrix: Water
Lab File ID: 1I21J3.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/17/2009 11:15
Sample wt/vol: 50(mL)
Date Analyzed: 09/21/2009 01:25
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61147
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		10	1.4

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\1I21J3.d
Lab Smp Id: MB 640-60871/1A Client Smp ID: 60871MB
Inj Date : 21-SEP-2009 01:25
Operator : RD Inst ID: TLCJUV1.i
Smp Info : MB 640-60871/1A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\PHTH-MAL-ANEX.m
Meth Date : 21-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	50.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.						
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1I21J3.d

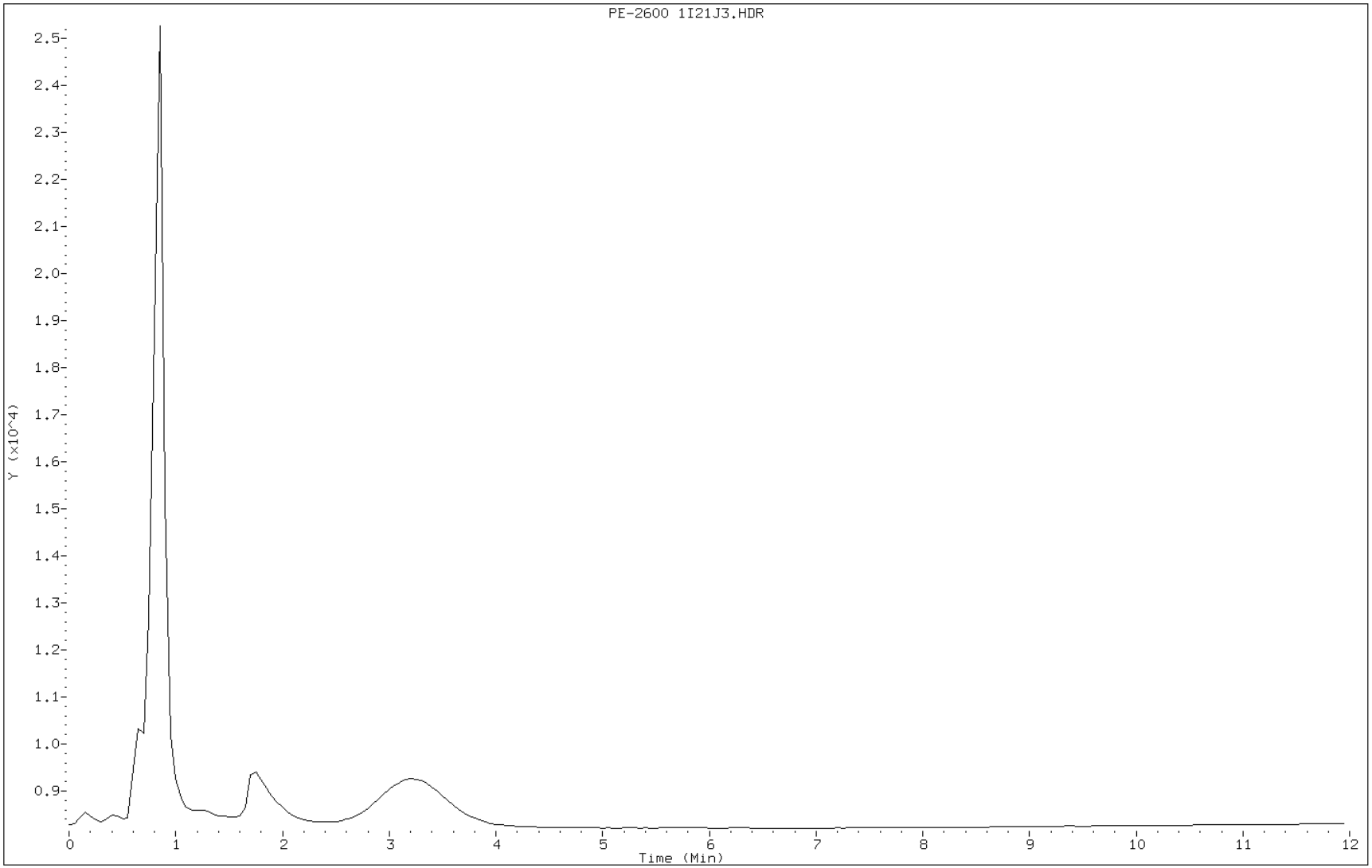
Date: 21-SEP-2009 01:25

Client ID: 60871MB

Instrument: TLCJUV1.i

Sample Info: MB 640-60871/1A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: MB 640-60977/1-A
Matrix: Solid
Lab File ID: 1I24K6.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/21/2009 08:05
Sample wt/vol: 5.00(g)
Date Analyzed: 09/24/2009 11:18
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 50(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61236
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		100	18

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K6.d
Lab Smp Id: MB 640-60977/1A Client Smp ID: 60977MB
Inj Date : 24-SEP-2009 11:18
Operator : Inst ID: TLCKUV1.i
Smp Info : MB 640-60977/1A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 24-Sep-2009 14:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	Compound Not Detected.						
2 Maleic Acid_Maleic anhydride	Compound Not Detected.						

Data File: 1I24K6.d

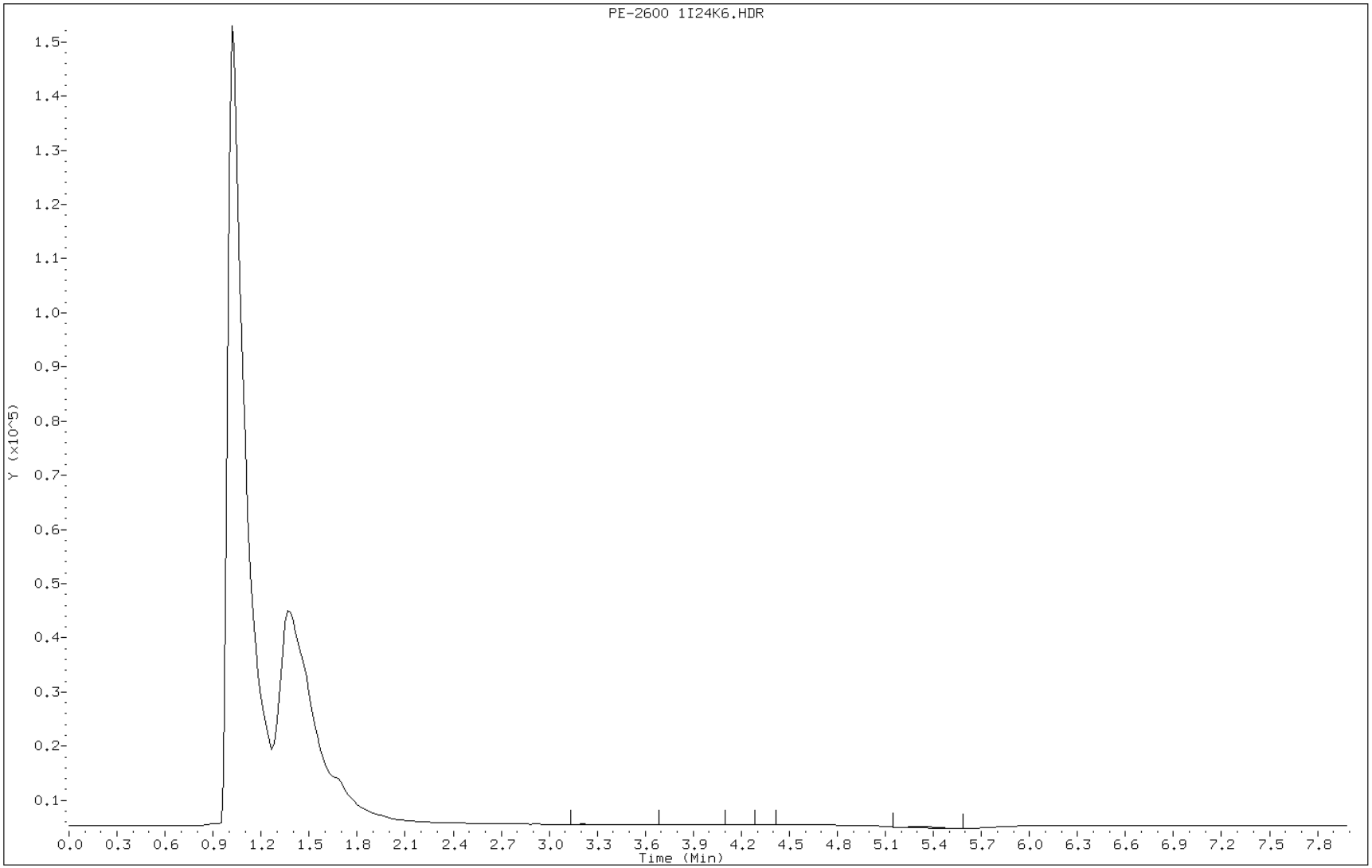
Date: 24-SEP-2009 11:18

Client ID: 60977MB

Instrument: TLCKUV1.i

Sample Info: MB 640-60977/1A

Operator:



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 640-60871/2-A
Matrix: Water
Lab File ID: 1I21J4.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/17/2009 11:15
Sample wt/vol: 50(mL)
Date Analyzed: 09/21/2009 01:37
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61147
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	15.3		10	1.4

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\1I21J4.d
Lab Smp Id: LCS 640-60871/2A Client Smp ID: 60871MBLCS
Inj Date : 21-SEP-2009 01:37
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCS 640-60871/2A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\PHTH-MAL-ANEX.m
Meth Date : 21-Sep-2009 16:35 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	50.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.861	6.888	-0.027	1079	0.19127	15.3(R)	
2 Maleic Acid_Maleic Anhydride	9.073	9.096	-0.023	1182	0.32742	26.2	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 1I21J4.d

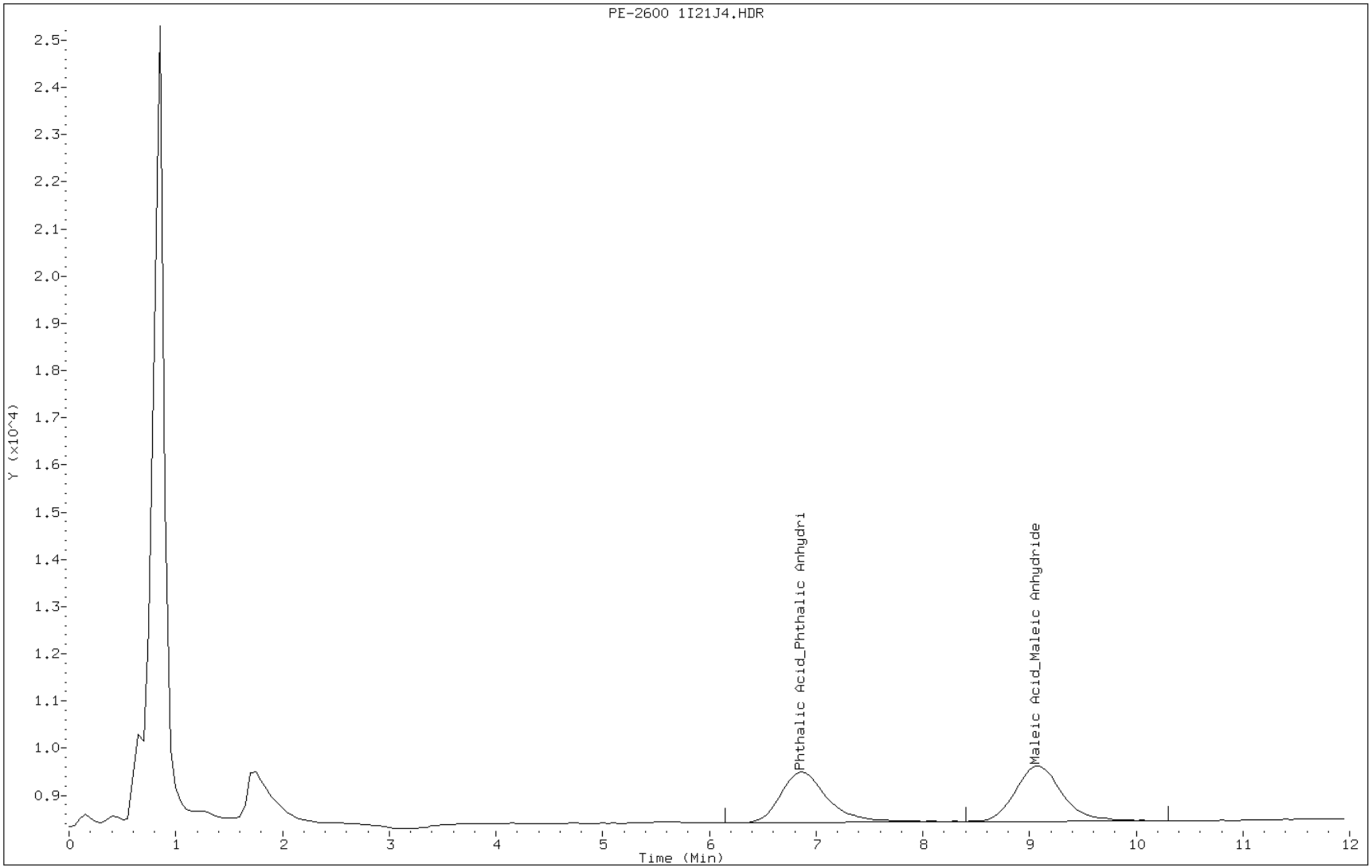
Date: 21-SEP-2009 01:37

Client ID: 60871MBLCS

Instrument: TLCJUV1.i

Sample Info: LCS 640-60871/2A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 640-60977/2-A
Matrix: Solid
Lab File ID: 1I24K7.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/21/2009 08:05
Sample wt/vol: 5.00(g)
Date Analyzed: 09/24/2009 11:27
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 50(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61236
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	295		100	18

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K7.d
Lab Smp Id: LCS 640-60977/2A Client Smp ID: 60977MBLCS
Inj Date : 24-SEP-2009 11:27
Operator : Inst ID: TLCKUV1.i
Smp Info : LCS 640-60977/2A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 24-Sep-2009 14:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

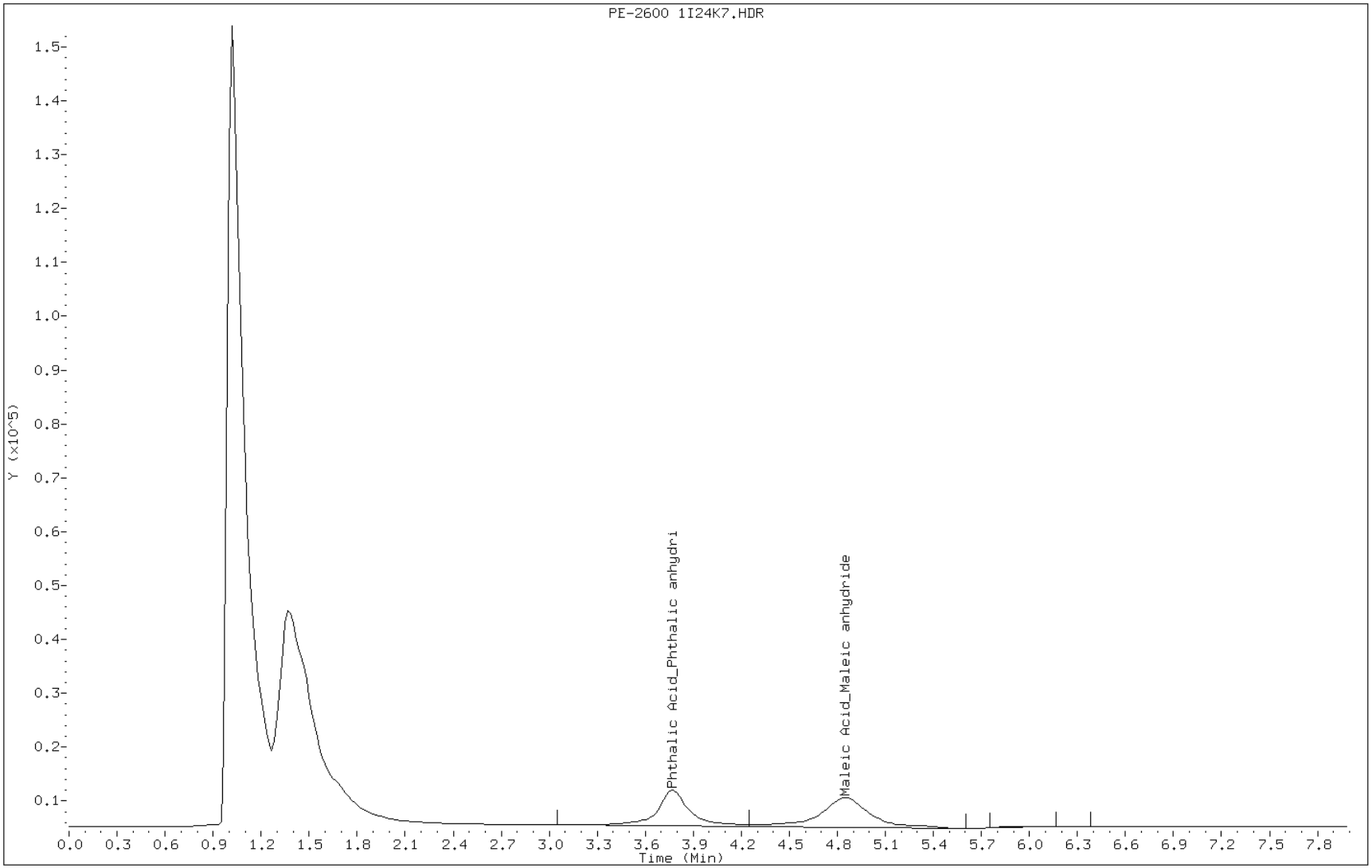
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.769	3.644	0.125	6695	0.36866	295	
2 Maleic Acid_Maleic anhydride	4.847	4.734	0.113	5569	0.55916	447	

Data File: 1I24K7.d

Date: 24-SEP-2009 11:27

Client ID: 60977MBLCS | Instrument: TLCKUV1.i

Sample Info: LCS 640-60977/2A | Operator:



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 640-60871/3-A
Matrix: Water
Lab File ID: 1I21J5.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/17/2009 11:15
Sample wt/vol: 50(mL)
Date Analyzed: 09/21/2009 01:50
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61147
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	11.1		10	1.4

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\1I21J5.d
Lab Smp Id: LCSD 640-60871/3A Client Smp ID: 60871MBLCSD
Inj Date : 21-SEP-2009 01:50
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCSD 640-60871/3A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI219.b\PHTH-MAL-ANEX.m
Meth Date : 21-Sep-2009 16:35 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	50.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.924	6.888	0.036	785	0.13915	11.1(R)	
2 Maleic Acid_Maleic Anhydride	9.143	9.096	0.047	1047	0.29003	23.2	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 1I21J5.d

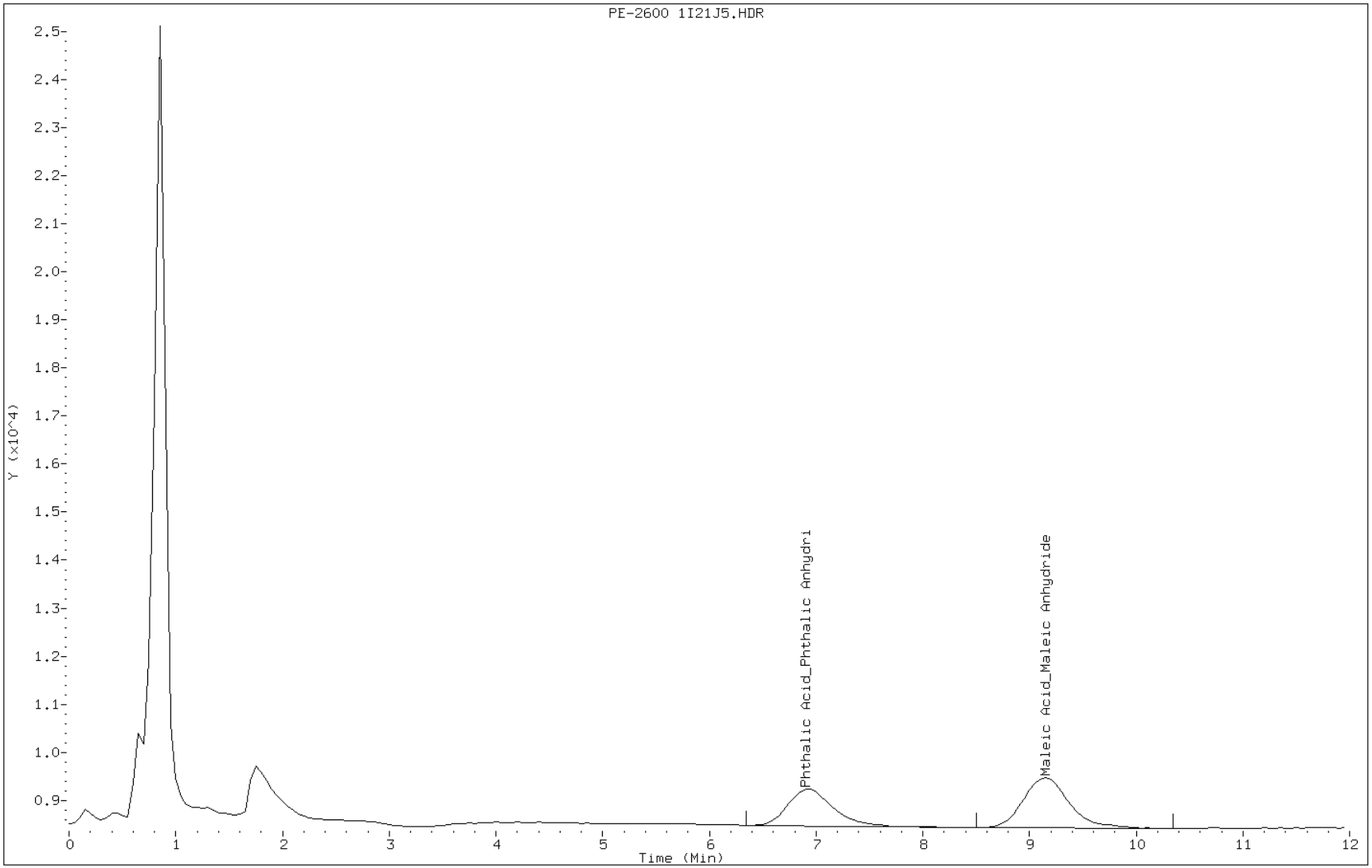
Date: 21-SEP-2009 01:50

Client ID: 60871MBLCSD

Instrument: TLCJUV1.i

Sample Info: LCSD 640-60871/3A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 640-60977/3-A
Matrix: Solid
Lab File ID: 1I24K8.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/21/2009 08:05
Sample wt/vol: 5.00(g)
Date Analyzed: 09/24/2009 11:36
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 50(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 61236
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	273		100	18

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\1I24K8.d
Lab Smp Id: LCSD 640-60977/3A Client Smp ID: 60977MBLCSD
Inj Date : 24-SEP-2009 11:36
Operator : Inst ID: TLCKUV1.i
Smp Info : LCSD 640-60977/3A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCKUV1.i\1KI249.b\PHTH-MAL-C8.m
Meth Date : 24-Sep-2009 14:00 rdriver Quant Type: ESTD
Cal Date : 11-SEP-2009 11:12 Cal File: 1I11K3.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic anhydri	3.768	3.644	0.124	6193	0.34102	273	
2 Maleic Acid_Maleic anhydride	4.851	4.734	0.117	5573	0.55958	448	

Data File: 1I24K8.d

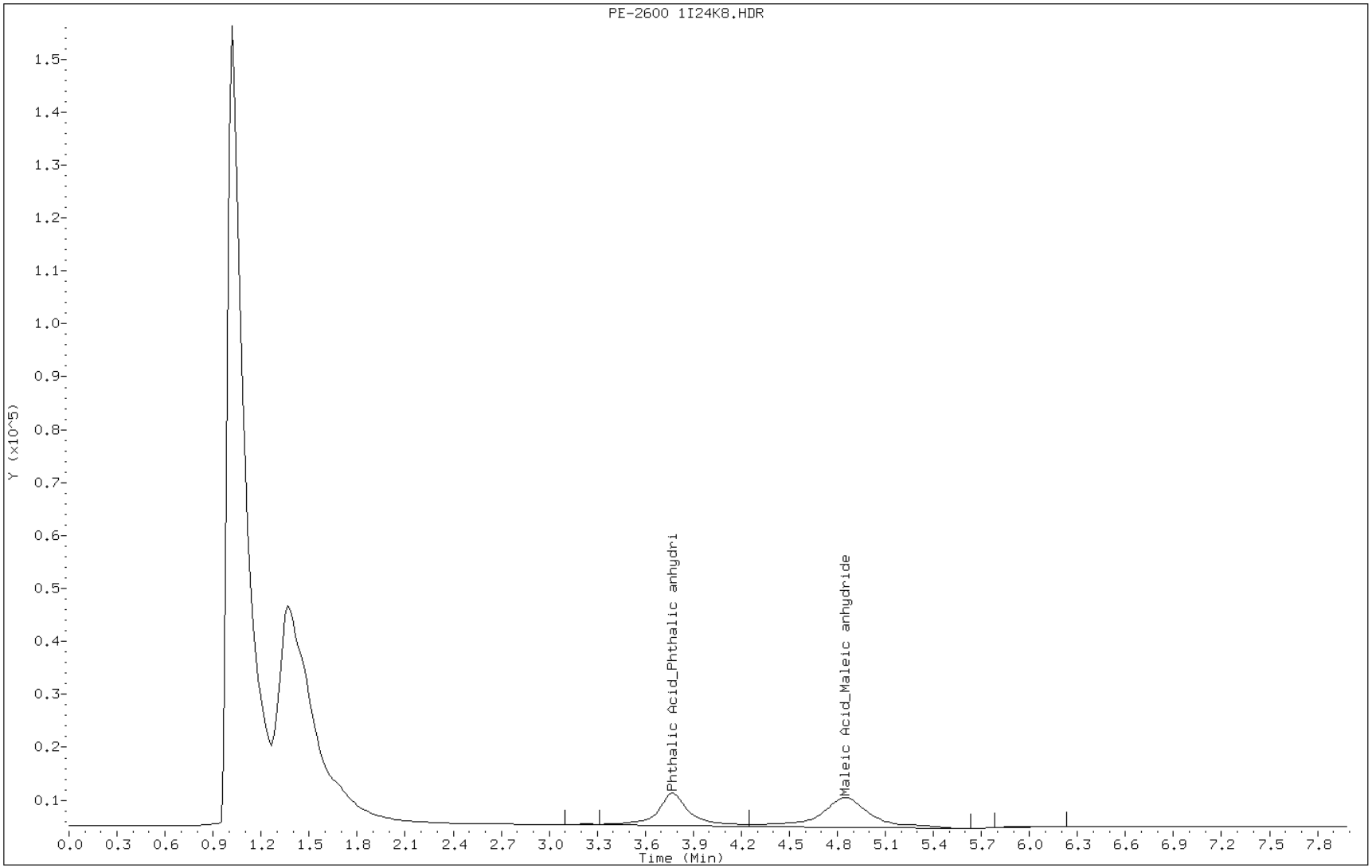
Date: 24-SEP-2009 11:36

Client ID: 60977MBLCSD

Instrument: TLCKUV1.i

Sample Info: LCSD 640-60977/3A

Operator:



HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCJ Start Date: 07/23/2009 15:44

Analysis Batch Number: 60307 End Date: 07/23/2009 16:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/23/2009 15:44	1		LC-ANEX
IC 640-60307/5		07/23/2009 15:44	1	1G23J2.d	LC-ANEX
ZZZZZ		07/23/2009 15:57	1		LC-ANEX
IC 640-60307/6		07/23/2009 15:57	1	1G23J3.d	LC-ANEX
ZZZZZ		07/23/2009 16:10	1		LC-ANEX
IC 640-60307/7		07/23/2009 16:10	1	1G23J4.d	LC-ANEX
ZZZZZ		07/23/2009 16:23	1		LC-ANEX
ICV 640-60307/8		07/23/2009 16:23	1		LC-ANEX

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCJ Start Date: 09/21/2009 00:30

Analysis Batch Number: 61147 End Date: 09/21/2009 07:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-61147/1		09/21/2009 00:30	1		LC-ANEX
MB 640-60871/1-A		09/21/2009 01:25	1	1I21J3.d	LC-ANEX
LCS 640-60871/2-A		09/21/2009 01:37	1	1I21J4.d	LC-ANEX
LCSD 640-60871/3-A		09/21/2009 01:50	1	1I21J5.d	LC-ANEX
360-24582-4	OC-EBK-010	09/21/2009 02:03	1	1I21J6.d	LC-ANEX
ZZZZZ		09/21/2009 02:29	1		LC-ANEX
ZZZZZ		09/21/2009 02:42	1		LC-ANEX
ZZZZZ		09/21/2009 02:55	1		LC-ANEX
ZZZZZ		09/21/2009 03:07	1		LC-ANEX
ZZZZZ		09/21/2009 03:20	1		LC-ANEX
ZZZZZ		09/21/2009 03:33	1		LC-ANEX
ZZZZZ		09/21/2009 03:46	1		LC-ANEX
ZZZZZ		09/21/2009 03:59	1		LC-ANEX
ZZZZZ		09/21/2009 04:12	1		LC-ANEX
ZZZZZ		09/21/2009 04:24	1		LC-ANEX
ZZZZZ		09/21/2009 04:37	1		LC-ANEX
CCVRT 640-61147/11		09/21/2009 04:50	1		LC-ANEX
ZZZZZ		09/21/2009 05:03	1		LC-ANEX
ZZZZZ		09/21/2009 05:16	1		LC-ANEX
ZZZZZ		09/21/2009 05:29	1		LC-ANEX
ZZZZZ		09/21/2009 05:44	1		LC-ANEX
ZZZZZ		09/21/2009 05:57	1		LC-ANEX
ZZZZZ		09/21/2009 06:10	1		LC-ANEX
ZZZZZ		09/21/2009 06:22	1		LC-ANEX
ZZZZZ		09/21/2009 06:35	1		LC-ANEX
ZZZZZ		09/21/2009 06:48	1		LC-ANEX
ZZZZZ		09/21/2009 07:01	1		LC-ANEX
CCVRT 640-61147/22		09/21/2009 07:14	1		LC-ANEX

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCK Start Date: 09/11/2009 10:54

Analysis Batch Number: 61148 End Date: 09/11/2009 11:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 640-61148/1		09/11/2009 10:54	1	1I11K1.d	LC-C8
IC 640-61148/2		09/11/2009 11:03	1	1I11K2.d	LC-C8
IC 640-61148/3		09/11/2009 11:12	1	1I11K3.d	LC-C8
ICV 640-61148/4		09/11/2009 11:21	1		LC-C8

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: LCK Start Date: 09/24/2009 10:32

Analysis Batch Number: 61236 End Date: 09/24/2009 16:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-61236/1		09/24/2009 10:32	1	1I24K1.d	LC-C8
ZZZZZ		09/24/2009 10:50	1		LC-C8
ZZZZZ		09/24/2009 10:59	1		LC-C8
ZZZZZ		09/24/2009 11:09	1		LC-C8
MB 640-60977/1-A		09/24/2009 11:18	1	1I24K6.d	LC-C8
LCS 640-60977/2-A		09/24/2009 11:27	1	1I24K7.d	LC-C8
LCSD 640-60977/3-A		09/24/2009 11:36	1	1I24K8.d	LC-C8
ZZZZZ		09/24/2009 11:45	1		LC-C8
ZZZZZ		09/24/2009 11:54	1		LC-C8
ZZZZZ		09/24/2009 12:03	1		LC-C8
CCVRT 640-61236/4		09/24/2009 12:12	1	1I24K12.d	LC-C8
360-24582-1	OC-SB-457-28/30-XXX	09/24/2009 15:48	1	1I24K13.d	LC-C8
ZZZZZ		09/24/2009 15:57	1		LC-C8
ZZZZZ		09/24/2009 16:06	1		LC-C8
ZZZZZ		09/24/2009 16:15	1		LC-C8
ZZZZZ		09/24/2009 16:24	1		LC-C8
ZZZZZ		09/24/2009 16:33	1		LC-C8
CCVRT 640-61236/11		09/24/2009 16:42	1	1I24K19.d	LC-C8

Organic Prep Worksheet

Batch Number: 640-60871
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 17 2009 11:15AM
Batch End: Sep 17 2009 12:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	LCIPH/MSPK_00029
MB~640-60871/1		LC65, LC65		50 mL	4.0 mL	
LCS~640-60871/2		LC65, LC65		50 mL	4.0 mL	20.0 uL
LCSD~640-60871/3		LC65, LC65		50 mL	4.0 mL	20.0 uL
360-24582-M-4	OC-EBK-010	LC65, LC65	T	50 mL	4.0 mL	
360-24634-K-18	OC-EBK-011		T	50 mL	4.0 mL	

Person's name who witnessed reagent drop: DS
Person's name who did the prep: DS
Elution Solution Lot #: LCR1-40-4

Organic Prep Worksheet

Batch Number: 640-60871
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 17 2009 11:15AM
Batch End: Sep 17 2009 12:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60871/1		LC65, LC65		
LCS~640-60871/2		LC65, LC65		
LCSD~640-60871/3		LC65, LC65		
360-24582-M-4	OC-EBK-010	LC65, LC65	T	
360-24634-K-18	OC-EBK-011		T	

Batch Comment: LC65

Organic Prep Worksheet

Batch Number: 640-60977
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 21 2009 8:05AM
Batch End: Sep 21 2009 2:40PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	LCIPH/MSPK_00030
MB~640-60977/1		LC65, LC65		5.00 g	4.0 mL	
LCS~640-60977/2		LC65, LC65		5.00 g	4.0 mL	20.0 uL
LCSD~640-60977/3		LC65, LC65		5.00 g	4.0 mL	20.0 uL
360-24582-H-1	OC-SB-457-28/30-XXX	LC65, LC65	T	5.12 g	4.0 mL	
360-24634-F-4	OC-SS-420-0.0/1.0-XXX		T	5.18 g	4.0 mL	
360-24634-F-4~MS			T	5.02 g	4.0 mL	20.0 uL
360-24634-F-4~MSD			T	5.11 g	4.0 mL	20.0 uL
360-24634-F-6	OC-SS-422-0.0/1.0-XXX		T	5.08 g	4.0 mL	
360-24634-F-8	OC-SS-424-0.0/1.0-XXX		T	5.17 g	4.0 mL	
360-24634-F-11	OC-SS-427-0.0/1.0-XXX		T	5.19 g	4.0 mL	
360-24634-F-13	OC-SS-429-0.0/1.0-XXX		T	5.03 g	4.0 mL	
360-24634-F-15	OC-SS-431-0.0/1.0-XXX		T	5.04 g	4.0 mL	

Person's name who witnessed reagent drop: DS
Elution Solution Lot #: LCR1-40-4
Person's name who did the prep: DS

Organic Prep Worksheet

Batch Number: 640-60977
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 21 2009 8:05AM
Batch End: Sep 21 2009 2:40PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60977/1		LC65, LC65		
LCS~640-60977/2		LC65, LC65		
LCSD~640-60977/3		LC65, LC65		
360-24582-H-1	OC-SB-457-28/30-XXX	LC65, LC65	T	
360-24634-F-4	OC-SS-420-0.0/1.0-XXX		T	
360-24634-F-4~MS			T	
360-24634-F-4~MSD			T	
360-24634-F-6	OC-SS-422-0.0/1.0-XXX		T	
360-24634-F-8	OC-SS-424-0.0/1.0-XXX		T	
360-24634-F-11	OC-SS-427-0.0/1.0-XXX		T	
360-24634-F-13	OC-SS-429-0.0/1.0-XXX		T	
360-24634-F-15	OC-SS-431-0.0/1.0-XXX		T	

Batch Comment: LC65

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low

GC Column (1): RTX-CLPest1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
OC-SS-403-0.0/1.0-XXX	360-24582-8	117	99
OC-SS-404-0.0/1.0-XXX	360-24582-9	36	125
OC-SS-409-0.0/1.0-XXX	360-24582-14	96	80
OC-SS-410-0.0/1.0-XXX	360-24582-15	102	86
OC-SS-412-0.0/1.0-XXX	360-24582-17	98	85
OC-SS-413-0.0/1.0-XXX	360-24582-18	87	114
OC-SS-416-0.0/1.0-DUP	360-24582-21	94	87
OC-SS-416-0.0/1.0-XXX	360-24582-22	94	83
	MB 360-49010/1-A	91	93
	LCS 360-49010/2-A	87	92
	LCSD 360-49010/3-A	89	94
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	95	81
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	92	81

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Column to be used to flag recovery values

FORM II 8082

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: M17603.D

Lab ID: LCS 360-49010/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	500	414	83	40-140	
PCB-1260	500	459	92	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: M17604.D

Lab ID: LCSD 360-49010/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	500	427	85	3	30	40-140	
PCB-1260	500	469	94	2	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: M17629.D

Lab ID: 360-24582-22 MS Client ID: OC-SS-416-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	540	ND	451	84	30-150	
PCB-1260	540	ND	516	96	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid Level: Low Lab File ID: M17630.D

Lab ID: 360-24582-22 MSD Client ID: OC-SS-416-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	528	451	86	0	50	30-150	
PCB-1260	528	516	98	0	50	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: MB 360-49010/1-A

Matrix: Solid Date Extracted: 09/16/2009 09:18

Lab File ID:(1) M17602.D Lab File ID:(2) M17602.D

Date Analyzed:(1) 09/16/2009 10:52 Date Analyzed:(2) 09/16/2009 10:52

Instrument ID:(1) Inst. M Instrument ID:(2) Inst. M

GC Column:(1) RTX-CLPest1 ID: 0.32(mm) GC Column:(2) RTX-CLPest2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-49010/2-A	09/16/2009 11:13	09/16/2009 11:13
	LCSD 360-49010/3-A	09/16/2009 11:35	09/16/2009 11:35
OC-SS-409-0.0/1.0-XXX	360-24582-14	09/16/2009 18:36	09/16/2009 18:36
OC-SS-410-0.0/1.0-XXX	360-24582-15	09/16/2009 18:57	09/16/2009 18:57
OC-SS-412-0.0/1.0-XXX	360-24582-17	09/16/2009 19:19	09/16/2009 19:19
OC-SS-413-0.0/1.0-XXX	360-24582-18	09/16/2009 19:41	09/16/2009 19:41
OC-SS-416-0.0/1.0-DUP	360-24582-21	09/16/2009 20:02	09/16/2009 20:02
OC-SS-416-0.0/1.0-XXX	360-24582-22	09/16/2009 20:24	09/16/2009 20:24
OC-SS-416-0.0/1.0-XXX MS	360-24582-22 MS	09/16/2009 20:45	09/16/2009 20:45
OC-SS-416-0.0/1.0-XXX MSD	360-24582-22 MSD	09/16/2009 21:07	09/16/2009 21:07
OC-SS-403-0.0/1.0-XXX	360-24582-8	09/17/2009 13:41	09/17/2009 13:41
OC-SS-404-0.0/1.0-XXX	360-24582-9	09/17/2009 14:03	09/17/2009 14:03

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Calibration Start Date:

GC Column: RTX-CLPest1 ID: 0.32(mm) Calibration End Date:

Calibration ID: 4269

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
MEAN SURROGATE RT FROM INITIAL CALIBRATION				2.90	13.84	
UPPER LIMIT						
LOWER LIMIT						
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD1000 360-48689/7 ICRTAV		09/08/2009 13:34	M17531.D	2.90	13.84	

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Calibration Start Date:

GC Column: RTX-CLPest2 ID: 0.32(mm) Calibration End Date:

Calibration ID: 4270

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
MEAN SURROGATE RT FROM INITIAL CALIBRATION				2.70	14.32	
UPPER LIMIT						
LOWER LIMIT						
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD1000 360-48689/7 ICRTAV		09/08/2009 13:34	M17531.D	2.70	14.32	

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Calibration Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calibration End Date: 09/08/2009 15:22

Calibration ID: 4271

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
SURROGATE RT FROM CONTINUING CALIBRATION				2.90	13.85	
UPPER LIMIT				3.00	13.95	
LOWER LIMIT				2.80	13.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-49013/1		09/16/2009 10:17	M17601.D	2.90	13.85	
MB 360-49010/1-A		09/16/2009 10:52	M17602.D	2.90	13.85	
LCS 360-49010/2-A		09/16/2009 11:13	M17603.D	2.89	13.84	
LCSD 360-49010/3-A		09/16/2009 11:35	M17604.D	2.89	13.84	
CCV 360-49013/19		09/16/2009 17:10	M17619.D	2.89	13.84	

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

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Calibration Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calibration End Date: 09/08/2009 15:22

Calibration ID: 4271

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
SURROGATE RT FROM CONTINUING CALIBRATION				2.89	13.84	
UPPER LIMIT				2.99	13.94	
LOWER LIMIT				2.79	13.74	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-49051/1		09/16/2009 17:31	M17620.D	2.89	13.84	
360-24582-14	OC-SS-409-0.0/1.0-XXX	09/16/2009 18:36	M17623.D	2.89	13.84	
360-24582-15	OC-SS-410-0.0/1.0-XXX	09/16/2009 18:57	M17624.D	2.89	13.84	
360-24582-17	OC-SS-412-0.0/1.0-XXX	09/16/2009 19:19	M17625.D	2.89	13.84	
360-24582-18	OC-SS-413-0.0/1.0-XXX	09/16/2009 19:41	M17626.D	2.90	13.84	
360-24582-21	OC-SS-416-0.0/1.0-DUP	09/16/2009 20:02	M17627.D	2.89	13.84	
360-24582-22	OC-SS-416-0.0/1.0-XXX	09/16/2009 20:24	M17628.D	2.89	13.84	
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	09/16/2009 20:45	M17629.D	2.90	13.84	
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	09/16/2009 21:07	M17630.D	2.90	13.84	
CCV 360-49051/12		09/16/2009 21:28	M17631.D	2.90	13.84	

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

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Calibration Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calibration End Date: 09/08/2009 15:22

Calibration ID: 4271

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
SURROGATE RT FROM CONTINUING CALIBRATION				2.90	13.85	
UPPER LIMIT				3.00	13.95	
LOWER LIMIT				2.80	13.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-49100/1		09/17/2009 12:23	M17631.D	2.90	13.85	
360-24582-8	OC-SS-403-0.0/1.0-XXX	09/17/2009 13:41	M17632.D	2.90	13.85	
360-24582-9	OC-SS-404-0.0/1.0-XXX	09/17/2009 14:03	M17633.D	2.85	13.84	
CCV 360-49100/11		09/17/2009 16:55	M17641.D	2.90	13.84	

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-403-0.0/1.0-XXX Lab Sample ID: 360-24582-8

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/17/2009 13:41 Date Analyzed (2): 09/17/2009 13:41

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	8.46	8.26	8.66	10100		
		2	9.04	8.84	9.24	13500		
		3	9.60	9.40	9.80	13900		
		5	12.87	12.67	13.07	14600	13000	
	2	1	8.69	8.49	8.89	9380		
		2	9.15	8.95	9.35	12000		
		3	10.05	9.85	10.25	11000		
		4	10.64	10.43	10.83	11100		
		5	11.92	11.71	12.11	13900	11000	12.7

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX Lab Sample ID: 360-24582-9

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/17/2009 14:03 Date Analyzed (2): 09/17/2009 14:03

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	8.45	8.26	8.66	3830		
		2	9.02	8.84	9.24	4440		
		3	9.59	9.40	9.80	4470		
		4	11.56	11.36	11.76	6430		
		5	12.86	12.67	13.07	5000	4800	
	2	1	8.69	8.49	8.89	4350		
		2	9.15	8.95	9.35	4170		
		3	10.05	9.85	10.25	4040		
		4	10.63	10.43	10.83	4090		
		5	11.91	11.71	12.11	5160	4400	10.2

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX Lab Sample ID: 360-24582-14

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/16/2009 18:36 Date Analyzed (2): 09/16/2009 18:36

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	8.45	8.25	8.65	100		
		2	9.02	8.82	9.22	115		
		3	9.59	9.39	9.79	139		
		4	11.56	11.36	11.76	188		
		5	12.86	12.66	13.06	167	140	
	2	1	8.69	8.49	8.89	115		
		2	9.15	8.95	9.35	102		
		3	10.05	9.85	10.25	122		
		4	10.63	10.43	10.83	121		
		5	11.91	11.71	12.11	161	120	13.6

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS Lab Sample ID: 360-24582-22 MS

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/16/2009 20:45 Date Analyzed (2): 09/16/2009 20:45

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.50	3.29	3.69	444		
		2	4.12	3.92	4.32	446		
		3	4.97	4.77	5.17	486		
		4	5.22	5.02	5.42	482		
		5	6.76	6.55	6.95	398	451	
	2	1	3.48	3.27	3.67	401		
		2	4.19	3.98	4.38	438		
		3	5.01	4.81	5.21	477		
		4	5.26	5.06	5.46	467		
		5	6.39	6.19	6.59	472	451	0.0
PCB-1260	1	1	8.45	8.25	8.65	454		
		2	9.03	8.82	9.22	464		
		3	9.59	9.39	9.79	465		
		4	11.56	11.36	11.76	586		
		5	12.86	12.66	13.06	612	516	
	2	1	8.69	8.49	8.89	457		
		2	9.15	8.95	9.35	436		
		3	10.06	9.85	10.25	534		
		4	10.64	10.43	10.83	524		
		5	11.92	11.71	12.11	560	502	2.8

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD Lab Sample ID: 360-24582-22 MSD

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/16/2009 21:07 Date Analyzed (2): 09/16/2009 21:07

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.49	3.29	3.69	447		
		2	4.12	3.92	4.32	447		
		3	4.97	4.77	5.17	480		
		4	5.22	5.02	5.42	482		
		5	6.75	6.55	6.95	402	451	
	2	1	3.47	3.27	3.67	389		
		2	4.18	3.98	4.38	437		
		3	5.01	4.81	5.21	470		
		4	5.26	5.06	5.46	460		
		5	6.39	6.19	6.59	474	446	1.2
PCB-1260	1	1	8.45	8.25	8.65	458		
		2	9.02	8.82	9.22	461		
		3	9.59	9.39	9.79	465		
		4	11.55	11.36	11.76	578		
		5	12.86	12.66	13.06	617	516	
	2	1	8.69	8.49	8.89	440		
		2	9.15	8.95	9.35	474		
		3	10.05	9.85	10.25	532		
		4	10.63	10.43	10.83	521		
		5	11.91	11.71	12.11	549	503	2.5

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: LCS 360-49010/2-A

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/16/2009 11:13 Date Analyzed (2): 09/16/2009 11:13

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.49	3.30	3.70	415		
		2	4.12	3.93	4.33	412		
		3	4.97	4.78	5.18	439		
		4	5.21	5.03	5.43	440		
		5	6.75	6.57	6.97	363	414	
	2	1	3.47	3.28	3.68	415		
		2	4.18	3.99	4.39	425		
		3	5.01	4.81	5.21	429		
		4	5.25	5.06	5.46	421		
		5	6.39	6.19	6.59	422	423	2.1
PCB-1260	1	1	8.45	8.26	8.66	449		
		2	9.02	8.84	9.24	425		
		3	9.59	9.40	9.80	433		
		4	11.55	11.36	11.76	475		
		5	12.86	12.67	13.07	515	459	
	2	1	8.69	8.49	8.89	441		
		2	9.15	8.95	9.35	435		
		3	10.05	9.85	10.25	505		
		4	10.63	10.43	10.83	501		
		5	11.91	11.71	12.11	490	474	3.2

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: Lab Sample ID: LCSD 360-49010/3-A

Instrument ID (1): Inst. M Instrument ID (2): Inst. M

Date Analyzed (1): 09/16/2009 11:35 Date Analyzed (2): 09/16/2009 11:35

GC Column (1): RTX-CLPest1 ID: 0.32(mm) GC Column (2): RTX-CLPest2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.49	3.30	3.70	429		
		2	4.12	3.93	4.33	427		
		3	4.97	4.78	5.18	454		
		4	5.22	5.03	5.43	455		
		5	6.75	6.57	6.97	372	427	
	2	1	3.47	3.28	3.68	421		
		2	4.18	3.99	4.39	436		
		3	5.01	4.81	5.21	445		
		4	5.25	5.06	5.46	435		
		5	6.39	6.19	6.59	431	434	1.4
PCB-1260	1	1	8.45	8.26	8.66	456		
		2	9.02	8.84	9.24	440		
		3	9.59	9.40	9.80	443		
		4	11.56	11.36	11.76	487		
		5	12.86	12.67	13.07	519	469	
	2	1	8.69	8.49	8.89	449		
		2	9.15	8.95	9.35	443		
		3	10.05	9.85	10.25	516		
		4	10.63	10.43	10.83	510		
		5	11.91	11.71	12.11	512	486	3.6

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-403-0.0/1.0-XXX | Lab Sample ID: 360-24582-8

Matrix: Solid | Lab File ID: M17632.D

Analysis Method: 8082 | Date Collected: 09/14/2009 15:50

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.52(g) | Date Analyzed: 09/17/2009 13:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 6.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49100 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1000	140
11104-28-2	PCB-1221	ND		1000	150
11141-16-5	PCB-1232	ND		1000	240
53469-21-9	PCB-1242	ND		1000	650
12672-29-6	PCB-1248	ND		1000	230
11097-69-1	PCB-1254	ND		1000	270
11096-82-5	PCB-1260	13000		1000	280
37324-23-5	PCB-1262	ND		1000	140
11100-14-4	PCB-1268	ND		1000	220

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	99	30-150	
877-09-8	Tetrachloro-m-xylene	117	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17632.D		
Lims ID:	360-24582-A-8-A	Client ID:	OC-SS-403-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 13:41:36	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-8-A 10X		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	49100	Lims Sample ID:	2
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\8082M.m		
Last Update:	17-Sep-2009 15:45:32	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 15:45:32

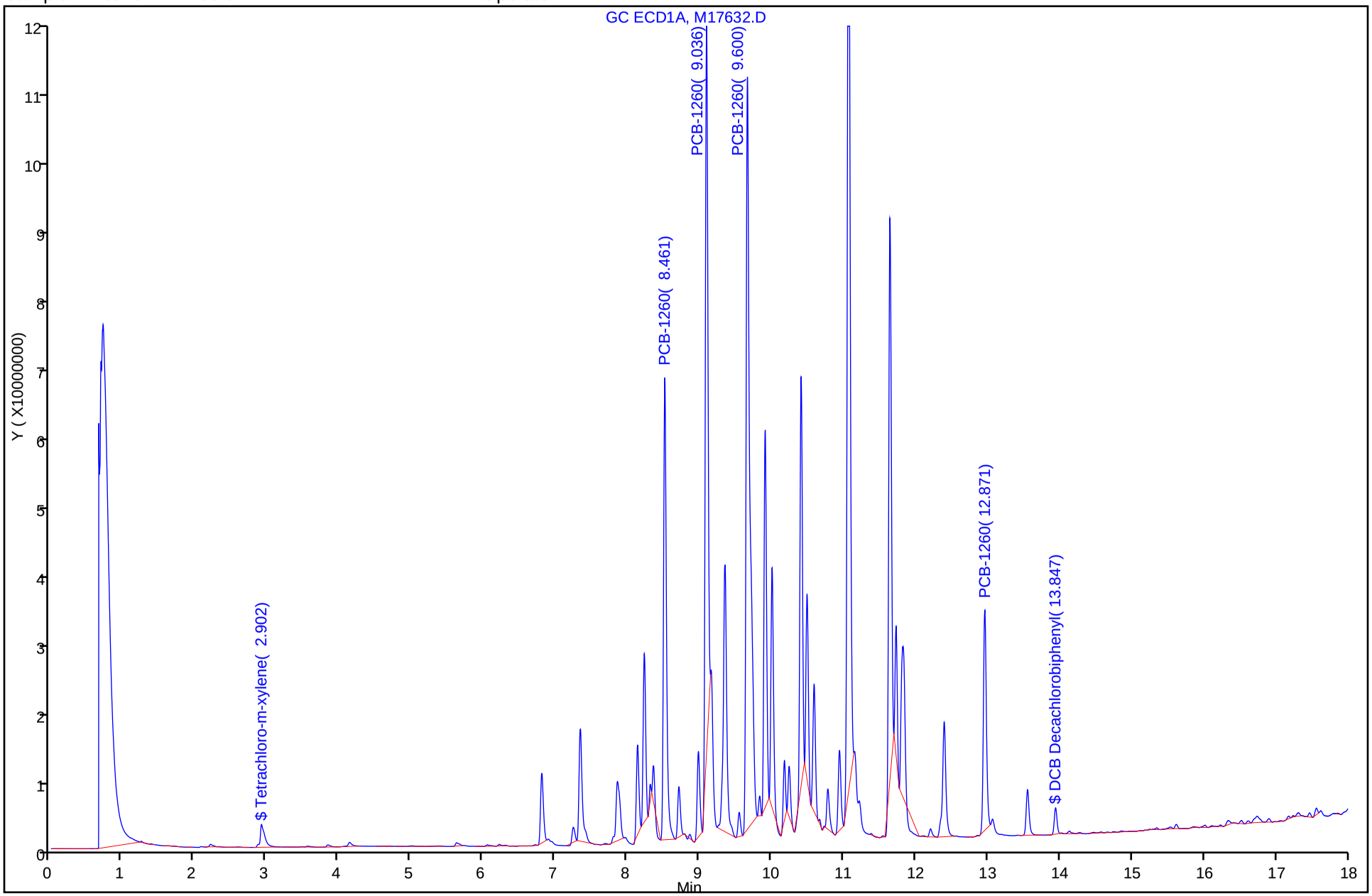
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.902	2.904	-0.002	268655120	3.52	
2	2.696	2.695	0.001	88078784	6.80	
8 PCB-1260						
1	8.461	8.459	0.002	3454931840	998.4	
1	9.036	9.035	0.001	4846130624	1332.1	
1	9.600	9.598	0.002	7407396416	1366.9	
1	0.0	11.563	-11.563	0		
1	12.871	12.869	0.002	1679974966	1434.1	
		Average of Peak Amounts =			1282.9	
2	8.693	8.692	0.001	1174445920	924.1	
2	9.150	9.149	0.001	1980208704	1183.6	
2	10.054	10.052	0.002	1086486944	1084.4	
2	10.635	10.633	0.002	1229916560	1091.2	
2	11.915	11.912	0.003	2045671776	1364.6	
		Average of Peak Amounts =			1129.6	

Report Date: 17-Sep-2009 15:45:33 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTM.i\20090917-1.b\M17632.D

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 1 DCB Decachlorobiphenyl						
1	13.847	13.847	0.000	180934779	2.97	
2	14.312	14.312	0.000	62600272	2.55	

Report Date: 17-Sep-2009 15:45:33 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17632.D		
Inj Date:	17-Sep-2009 13:41:36	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	2
Client ID:	OC-SS-403-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-8-A 10X		
Sample Amount:	2.00 uL	Operator:	MZ

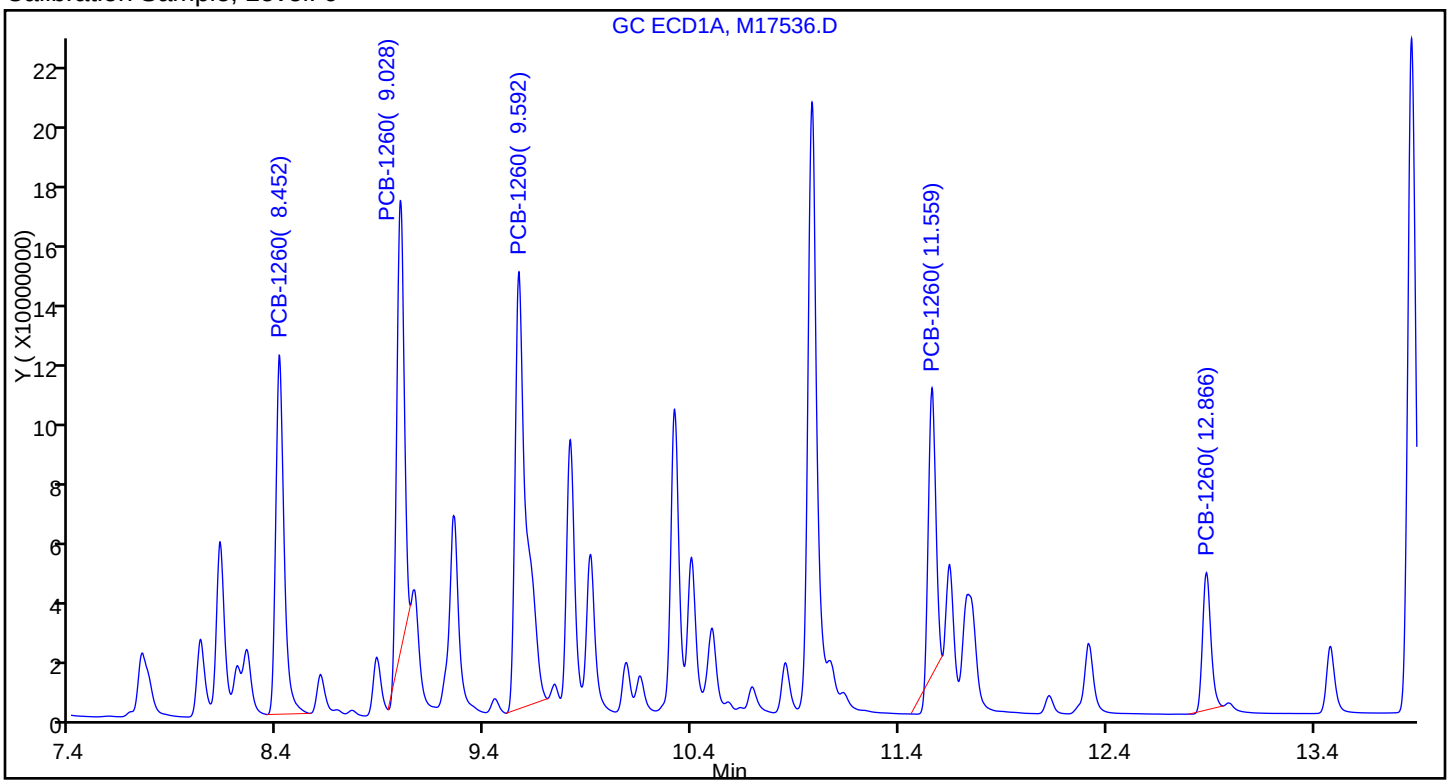


Report Date: 17-Sep-2009 15:45:35 Chrom Revision: 1.0.2009.910

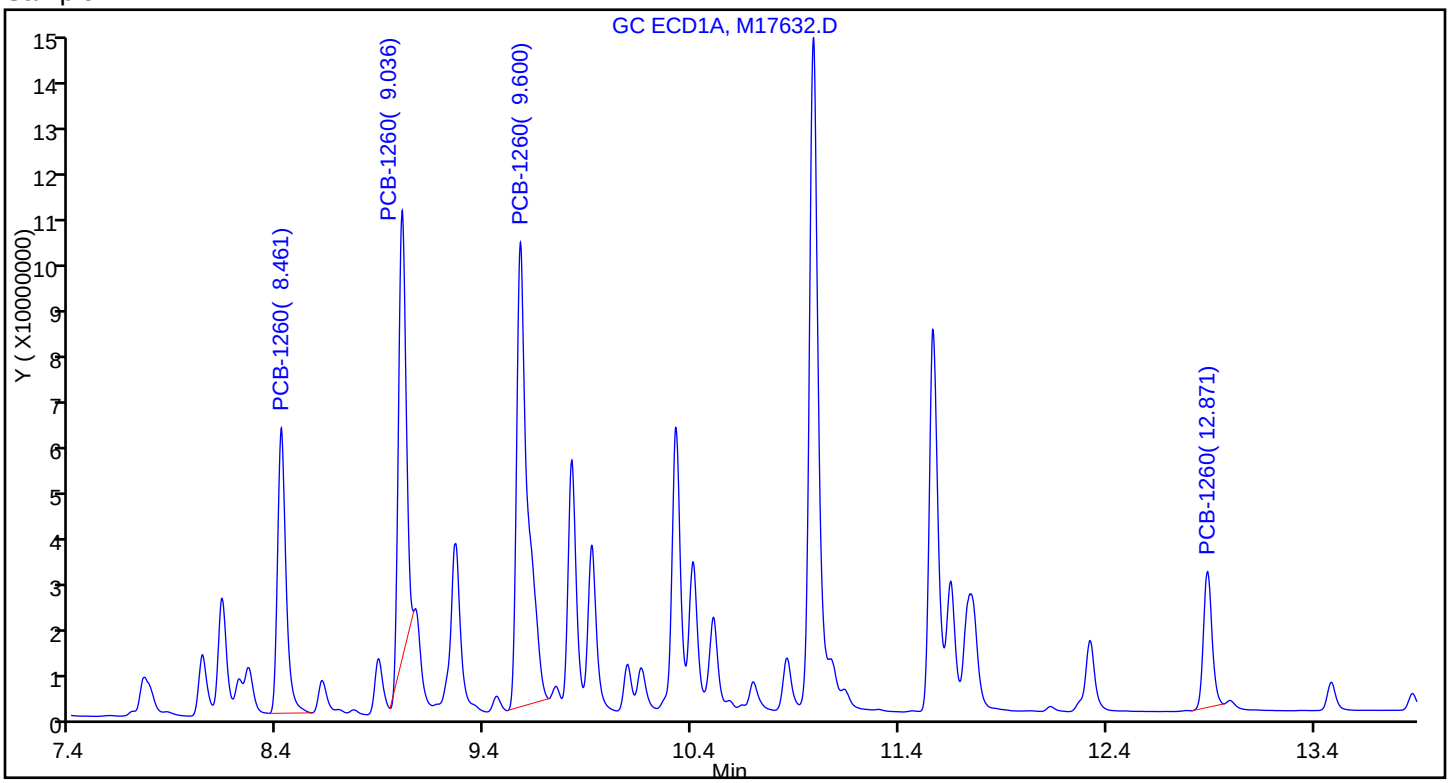
Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17632.D		
Inj Date:	17-Sep-2009 13:41:36	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	2
Client ID:	OC-SS-403-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-8-A 10X		
Sample Amount:	2.00 uL	Operator:	MZ

8 PCB-1260, Detector: 1, GC ECD1A

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-404-0.0/1.0-XXX | Lab Sample ID: 360-24582-9

Matrix: Solid | Lab File ID: M17633.D

Analysis Method: 8082 | Date Collected: 09/14/2009 16:10

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.78(g) | Date Analyzed: 09/17/2009 14:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 5

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49100 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		510	69
11104-28-2	PCB-1221	ND		510	77
11141-16-5	PCB-1232	ND		510	120
53469-21-9	PCB-1242	ND		510	320
12672-29-6	PCB-1248	ND		510	110
11097-69-1	PCB-1254	ND		510	130
11096-82-5	PCB-1260	4800		510	140
37324-23-5	PCB-1262	ND		510	69
11100-14-4	PCB-1268	ND		510	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	125	30-150	
877-09-8	Tetrachloro-m-xylene	36	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17633.D		
Lims ID:	360-24582-A-9-A	Client ID:	OC-SS-404-0.0/1.0-XXX
Inject. Date:	17-Sep-2009 14:03:04	Dil. Factor:	5.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-9-A 5X		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	49100	Lims Sample ID:	3
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\8082M.m		
Last Update:	17-Sep-2009 15:46:15	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 15:46:15
Reviewed By:	zuccalam	Date:	17-Sep-2009 15:47:16

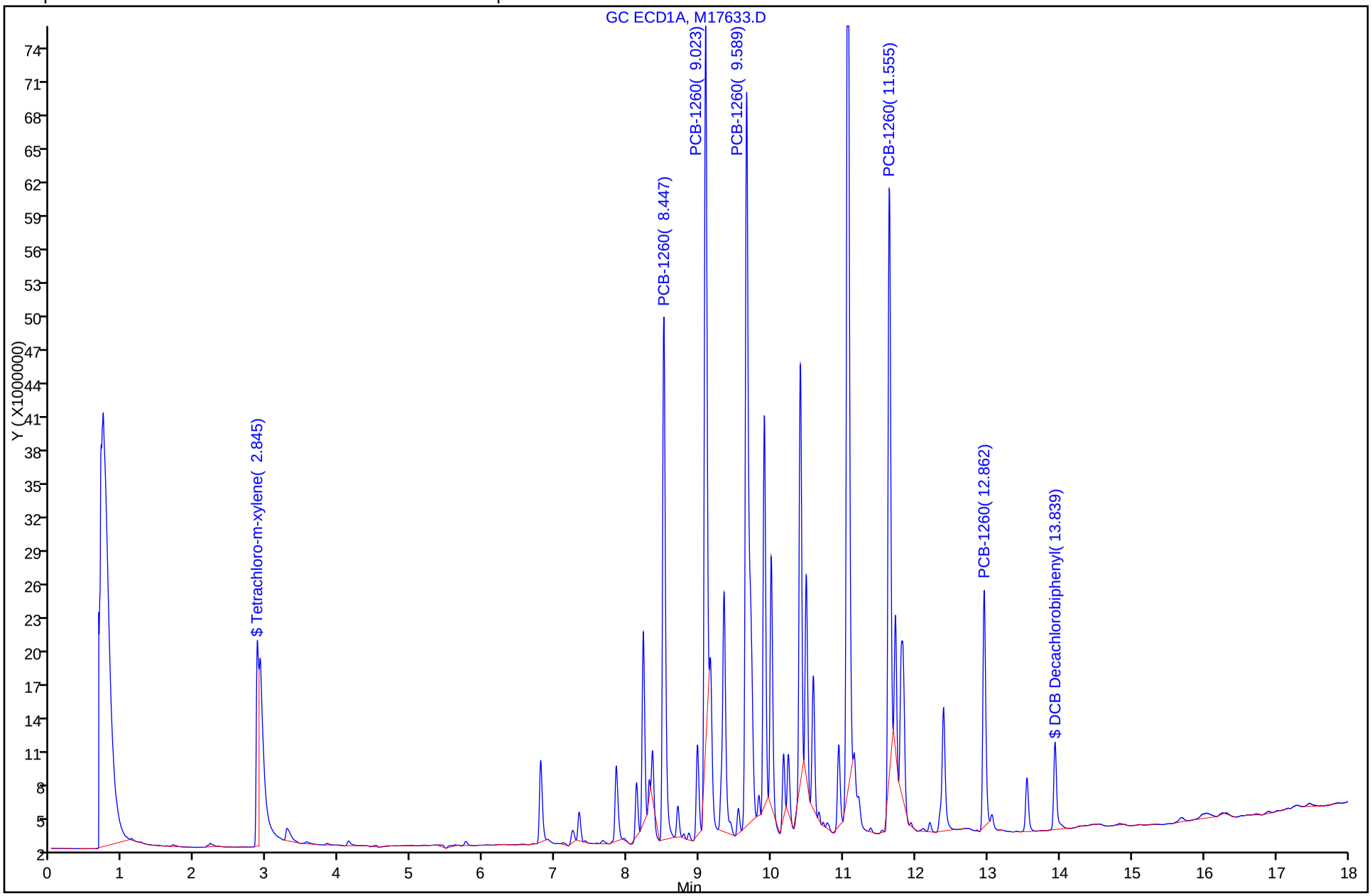
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.845	2.904	-0.059	166879333	2.19	
2	2.692	2.695	-0.003	173107104	9.60	
8 PCB-1260						
1	8.447	8.459	-0.012	2623821984	758.2	
1	9.023	9.035	-0.012	3199987776	879.6	
1	9.589	9.598	-0.009	4795134272	884.9	
1	11.555	11.563	-0.008	2635490356	1272.8	
1	12.862	12.869	-0.007	1158650112	989.0	
		Average of Peak Amounts =			956.9	
2	8.688	8.692	-0.004	1095401312	861.9	
2	9.147	9.149	-0.002	1382752864	826.5	
2	10.050	10.052	-0.002	801240128	799.7	
2	10.632	10.633	-0.001	912062672	809.2	
2	11.912	11.912	0.000	1530616896	1021.0	
		Average of Peak Amounts =			863.7	

Report Date: 17-Sep-2009 15:47:17 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTM.i\20090917-1.b\M17633.D

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 1 DCB Decachlorobiphenyl						
1	13.839	13.847	-0.008	458684752	7.52	
2	14.310	14.312	-0.002	171458320	6.98	

Report Date: 17-Sep-2009 15:47:17 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17633.D		
Inj Date:	17-Sep-2009 14:03:04	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	3
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-9-A 5X		
Sample Amount:	2.00 uL	Operator:	MZ

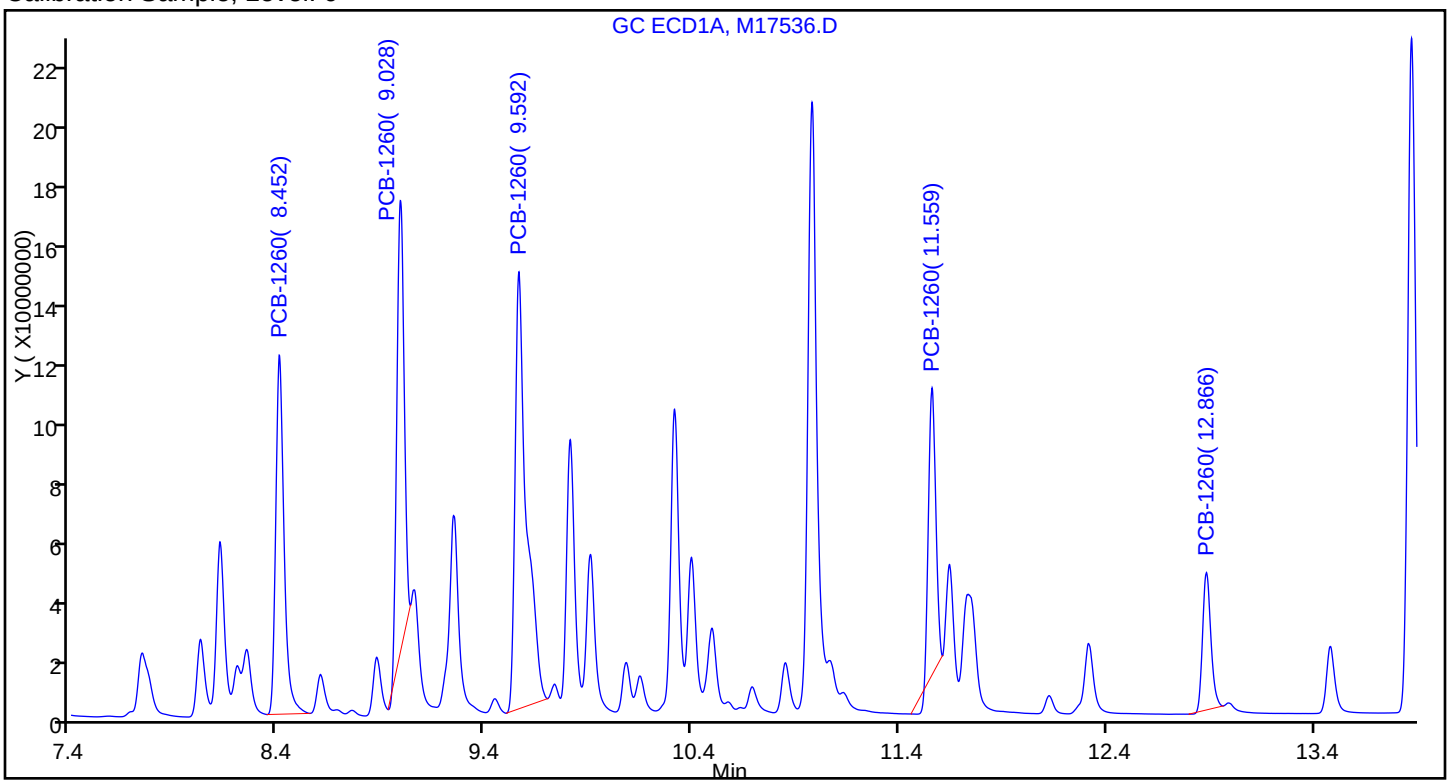


Report Date: 17-Sep-2009 15:47:18 Chrom Revision: 1.0.2009.910

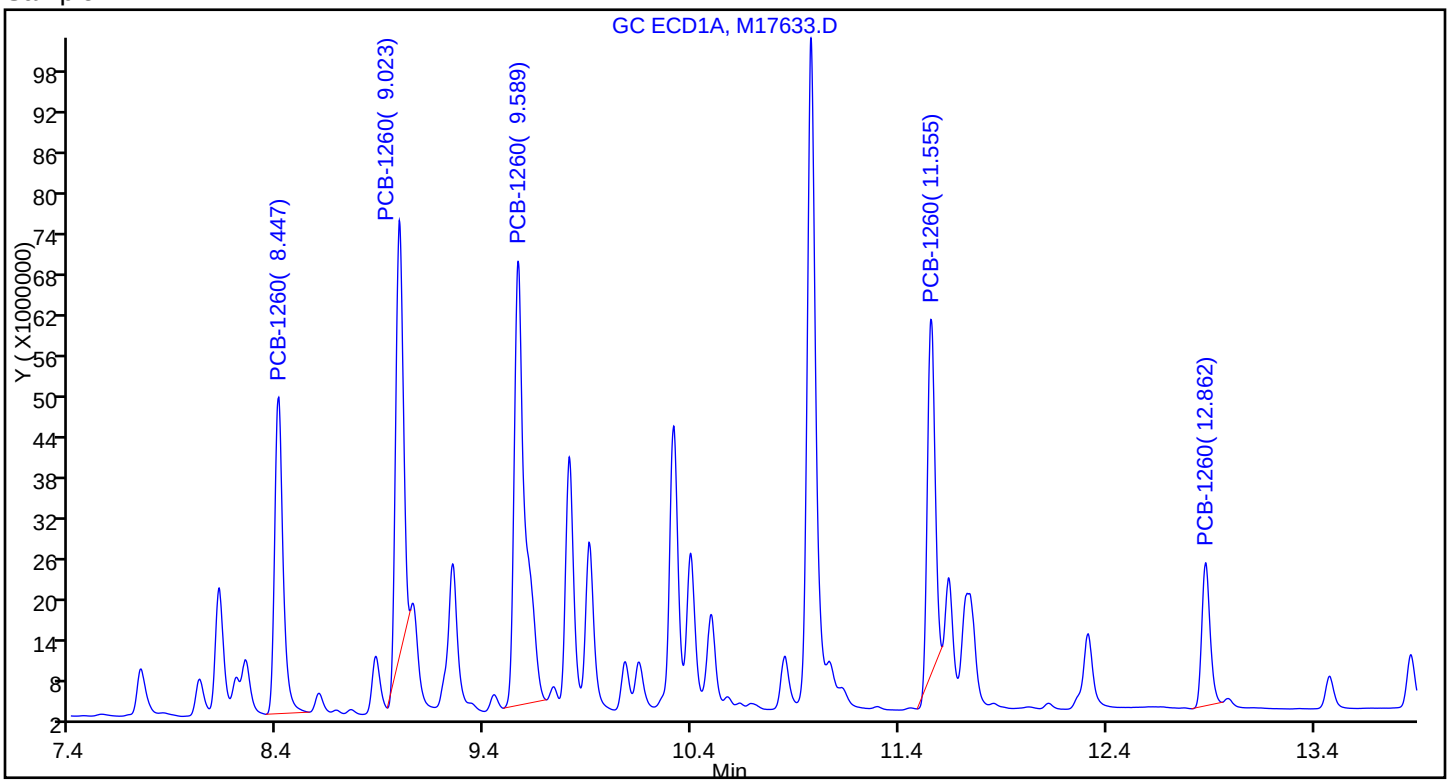
Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17633.D		
Inj Date:	17-Sep-2009 14:03:04	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	3
Client ID:	OC-SS-404-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-9-A 5X		
Sample Amount:	2.00 uL	Operator:	MZ

8 PCB-1260, Detector: 1, GC ECD1A

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-409-0.0/1.0-XXX | Lab Sample ID: 360-24582-14

Matrix: Solid | Lab File ID: M17623.D

Analysis Method: 8082 | Date Collected: 09/15/2009 10:00

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.59(g) | Date Analyzed: 09/16/2009 18:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		98	13
11104-28-2	PCB-1221	ND		98	15
11141-16-5	PCB-1232	ND		98	23
53469-21-9	PCB-1242	ND		98	63
12672-29-6	PCB-1248	ND		98	22
11097-69-1	PCB-1254	ND		98	26
11096-82-5	PCB-1260	140		98	27
37324-23-5	PCB-1262	ND		98	13
11100-14-4	PCB-1268	ND		98	21

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	80	30-150	
877-09-8	Tetrachloro-m-xylene	96	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17623.D		
Lims ID:	360-24582-A-14-A	Client ID:	OC-SS-409-0.0/1.0-XXX
Inject. Date:	16-Sep-2009 18:36:32	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-14-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	22
Lims Batch ID:	49051	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:56:00
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:29
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:49:26

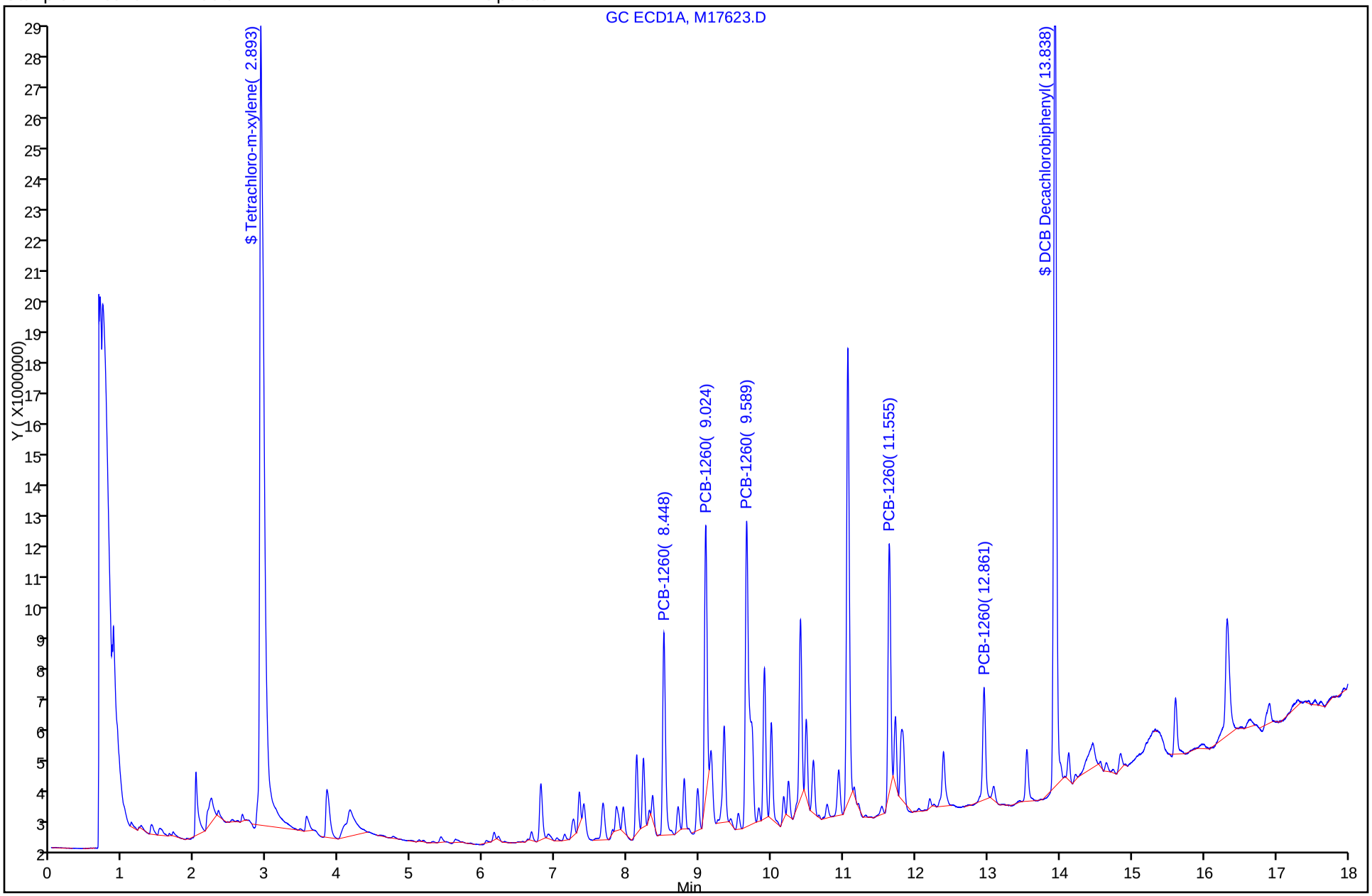
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.893	2.894	-0.001	2198829625	28.8	
2	2.695	2.696	-0.001	804852911	30.4	
8 PCB-1260						
1	8.448	8.448	0.000	354018566	102.3	
1	9.024	9.023	0.001	427937008	117.6	
1	9.589	9.588	0.001	768367952	141.8	
1	11.555	11.556	-0.002	397916985	192.2	
1	12.861	12.862	-0.001	199607696	170.4	
		Average of Peak Amounts =			144.9	
2	8.692	8.691	0.001	148491776	116.8	
2	9.149	9.150	-0.001	173589360	103.8	
2	10.052	10.052	0.000	124515872	124.3	
2	10.633	10.634	-0.001	138920736	123.3	
2	11.913	11.913	0.000	245923441	164.0	
		Average of Peak Amounts =			126.4	

Report Date: 17-Sep-2009 14:49:27 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTM.i\20090916-2.b\M17623.D

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 1 DCB Decachlorobiphenyl						
1	13.838	13.838	0.000	1457667033	23.9	
2	14.311	14.311	0.000	693589996	28.2	

Report Date: 17-Sep-2009 14:49:27 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17623.D		
Inj Date:	16-Sep-2009 18:36:32	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	4
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-14-A		
Sample Amount:	2.00 uL	Operator:	MZ

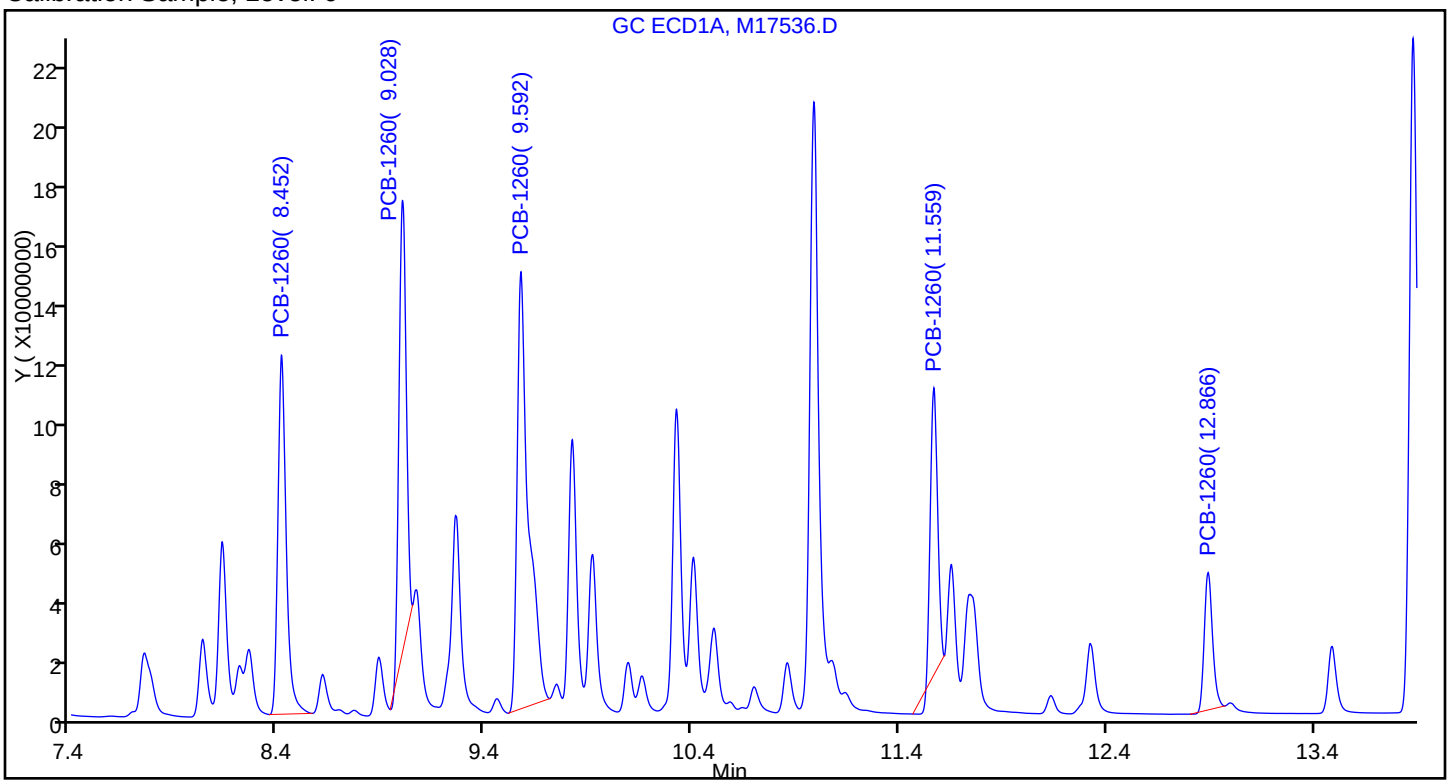


Report Date: 17-Sep-2009 14:49:28 Chrom Revision: 1.0.2009.910

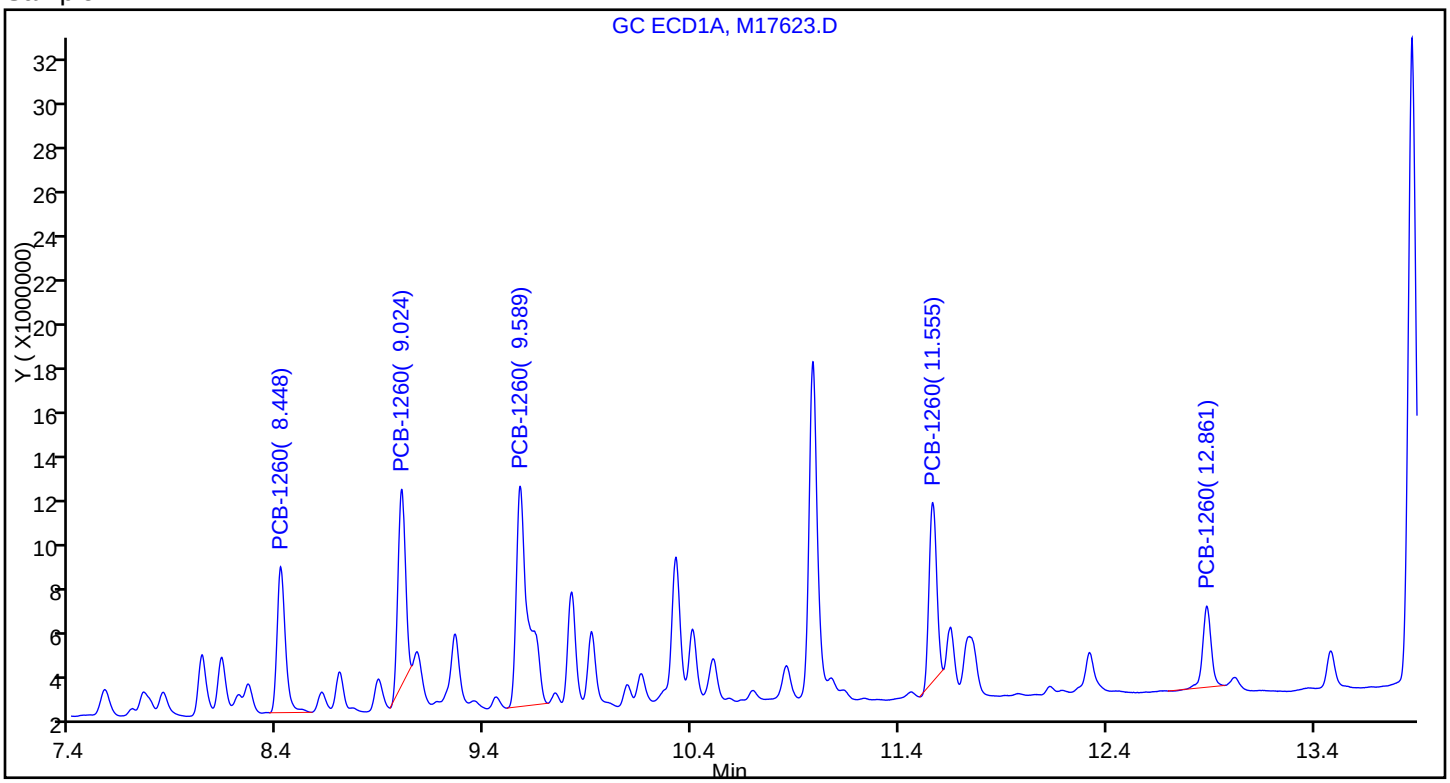
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17623.D		
Inj Date:	16-Sep-2009 18:36:32	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	4
Client ID:	OC-SS-409-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-14-A		
Sample Amount:	2.00 uL	Operator:	MZ

8 PCB-1260, Detector: 1, GC ECD1A

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-410-0.0/1.0-XXX | Lab Sample ID: 360-24582-15

Matrix: Solid | Lab File ID: M17624.D

Analysis Method: 8082 | Date Collected: 09/15/2009 10:15

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.41(g) | Date Analyzed: 09/16/2009 18:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 5.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		100	14
11104-28-2	PCB-1221	ND		100	15
11141-16-5	PCB-1232	ND		100	24
53469-21-9	PCB-1242	ND		100	65
12672-29-6	PCB-1248	ND		100	23
11097-69-1	PCB-1254	ND		100	27
11096-82-5	PCB-1260	ND		100	28
37324-23-5	PCB-1262	ND		100	14
11100-14-4	PCB-1268	ND		100	22

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	86	30-150	
877-09-8	Tetrachloro-m-xylene	102	30-150	

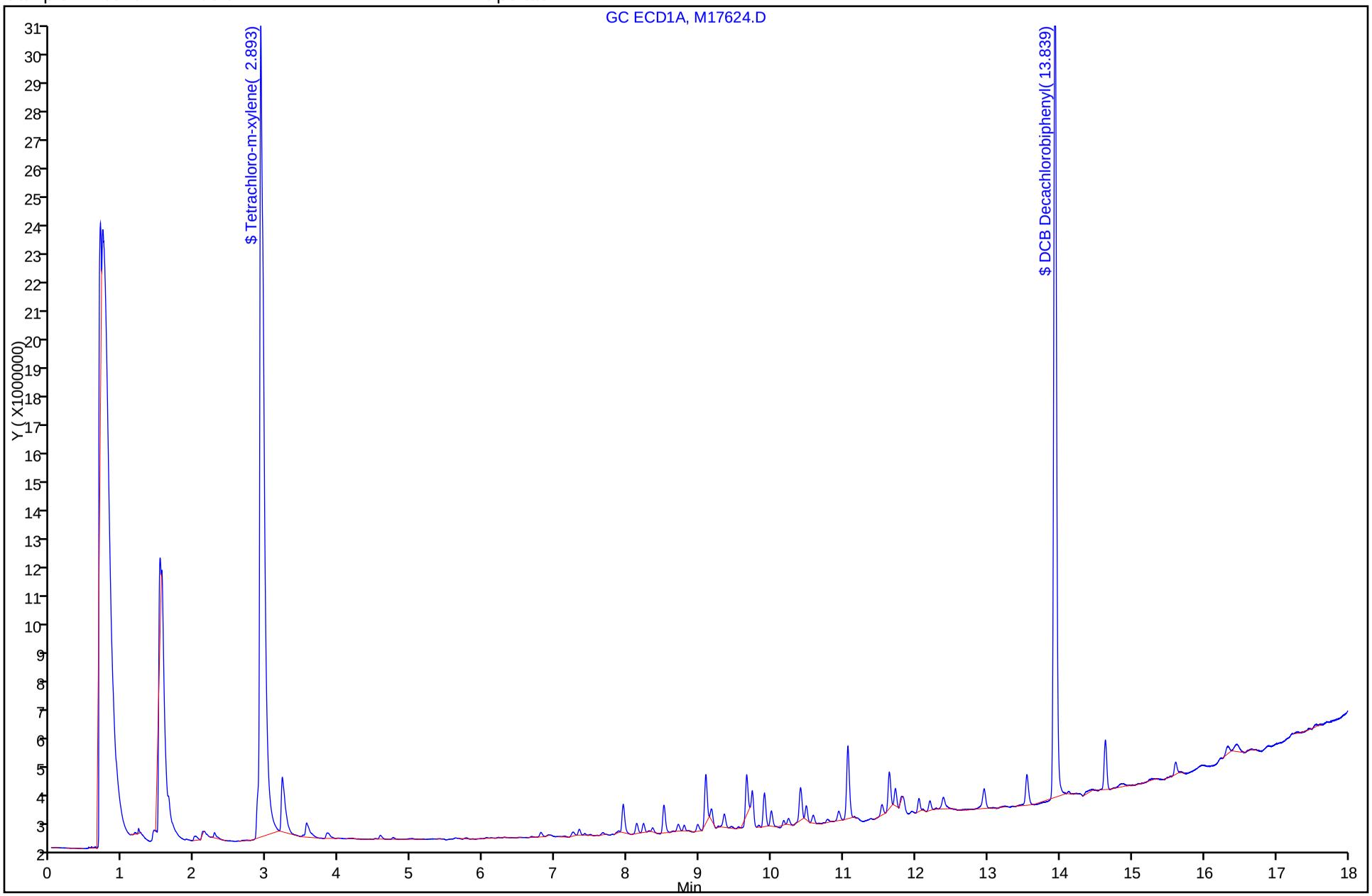
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17624.D		
Lims ID:	360-24582-A-15-A	Client ID:	OC-SS-410-0.0/1.0-XXX
Inject. Date:	16-Sep-2009 18:57:59	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-15-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	23
Lims Batch ID:	49051	Lims Sample ID:	5
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:57:29
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:36
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:49:42

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.893	2.894	-0.001	2333145664	30.6	
2	2.696	2.696	0.000	802667552	30.3	
$ 1 DCB Decachlorobiphenyl						
1	13.839	13.838	0.001	1571602672	25.8	
2	14.312	14.311	0.001	617114896	25.1	

Report Date: 17-Sep-2009 14:49:43 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17624.D		
Inj Date:	16-Sep-2009 18:57:59	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	5
Client ID:	OC-SS-410-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-15-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-412-0.0/1.0-XXX | Lab Sample ID: 360-24582-17

Matrix: Solid | Lab File ID: M17625.D

Analysis Method: 8082 | Date Collected: 09/15/2009 11:20

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.29(g) | Date Analyzed: 09/16/2009 19:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		110	14
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	68
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	ND		110	29
37324-23-5	PCB-1262	ND		110	15
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	85	30-150	
877-09-8	Tetrachloro-m-xylene	98	30-150	

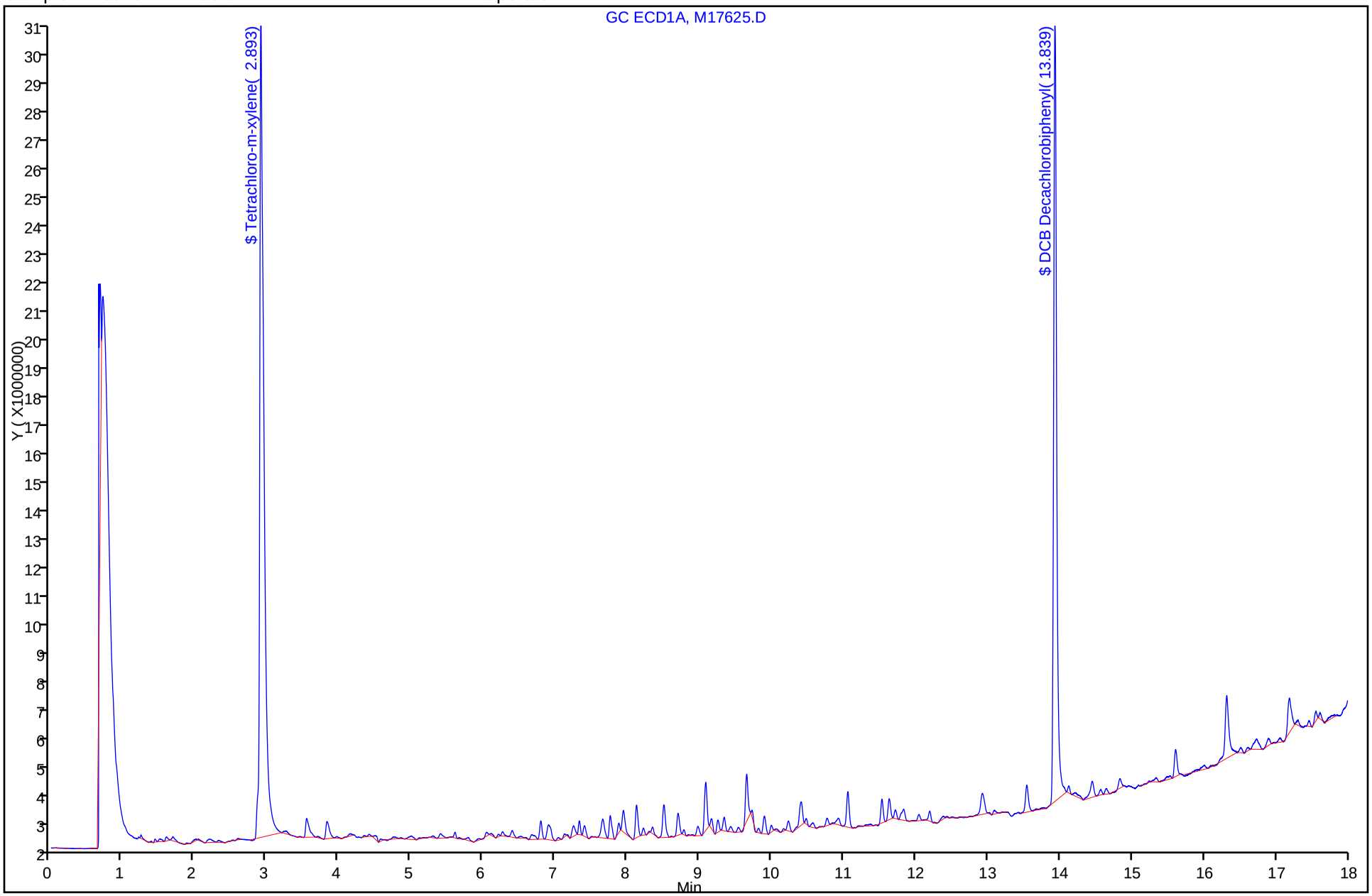
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17625.D		
Lims ID:	360-24582-A-17-A	Client ID:	OC-SS-412-0.0/1.0-XXX
Inject. Date:	16-Sep-2009 19:19:38	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-17-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	24
Lims Batch ID:	49051	Lims Sample ID:	6
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:57:59
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:42
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:51:34

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.893	2.894	-0.001	2254294227	29.5	
2	2.696	2.696	0.000	819572256	30.9	
$ 1 DCB Decachlorobiphenyl						
1	13.839	13.838	0.001	1550087514	25.4	
2	14.311	14.311	0.000	617164096	25.1	

Report Date: 17-Sep-2009 14:51:35 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17625.D		
Inj Date:	16-Sep-2009 19:19:38	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	6
Client ID:	OC-SS-412-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-17-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-413-0.0/1.0-XXX | Lab Sample ID: 360-24582-18

Matrix: Solid | Lab File ID: M17626.D

Analysis Method: 8082 | Date Collected: 09/15/2009 11:30

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.26(g) | Date Analyzed: 09/16/2009 19:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		110	14
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	68
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	ND		110	29
37324-23-5	PCB-1262	ND		110	15
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	114	30-150	
877-09-8	Tetrachloro-m-xylene	87	30-150	

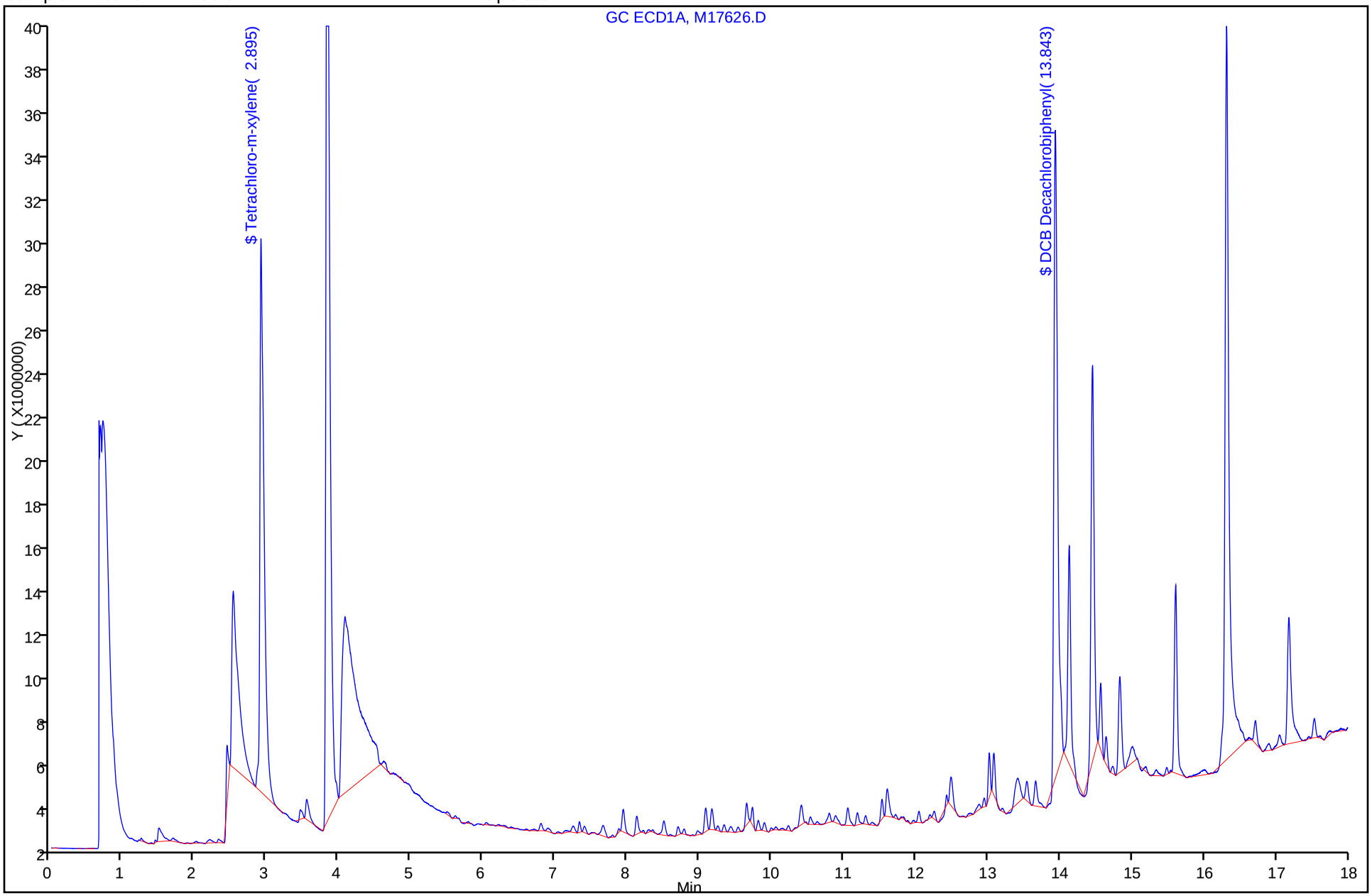
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17626.D		
Lims ID:	360-24582-A-18-A	Client ID:	OC-SS-413-0.0/1.0-XXX
Inject. Date:	16-Sep-2009 19:41:11	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-18-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	25
Lims Batch ID:	49051	Lims Sample ID:	7
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:58:36
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:46
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:51:48

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.894	0.001	1989132672	26.1	
2	2.696	2.696	0.000	772470672	29.3	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.838	0.005	2078227536	34.1	
2	14.310	14.311	-0.001	464270528	18.9	

Report Date: 17-Sep-2009 14:51:48 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17626.D		
Inj Date:	16-Sep-2009 19:41:11	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	7
Client ID:	OC-SS-413-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-18-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-DUP | Lab Sample ID: 360-24582-21

Matrix: Solid | Lab File ID: M17627.D

Analysis Method: 8082 | Date Collected: 09/15/2009 12:40

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.28(g) | Date Analyzed: 09/16/2009 20:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		110	14
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	68
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	ND		110	29
37324-23-5	PCB-1262	ND		110	15
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	87	30-150	
877-09-8	Tetrachloro-m-xylene	94	30-150	

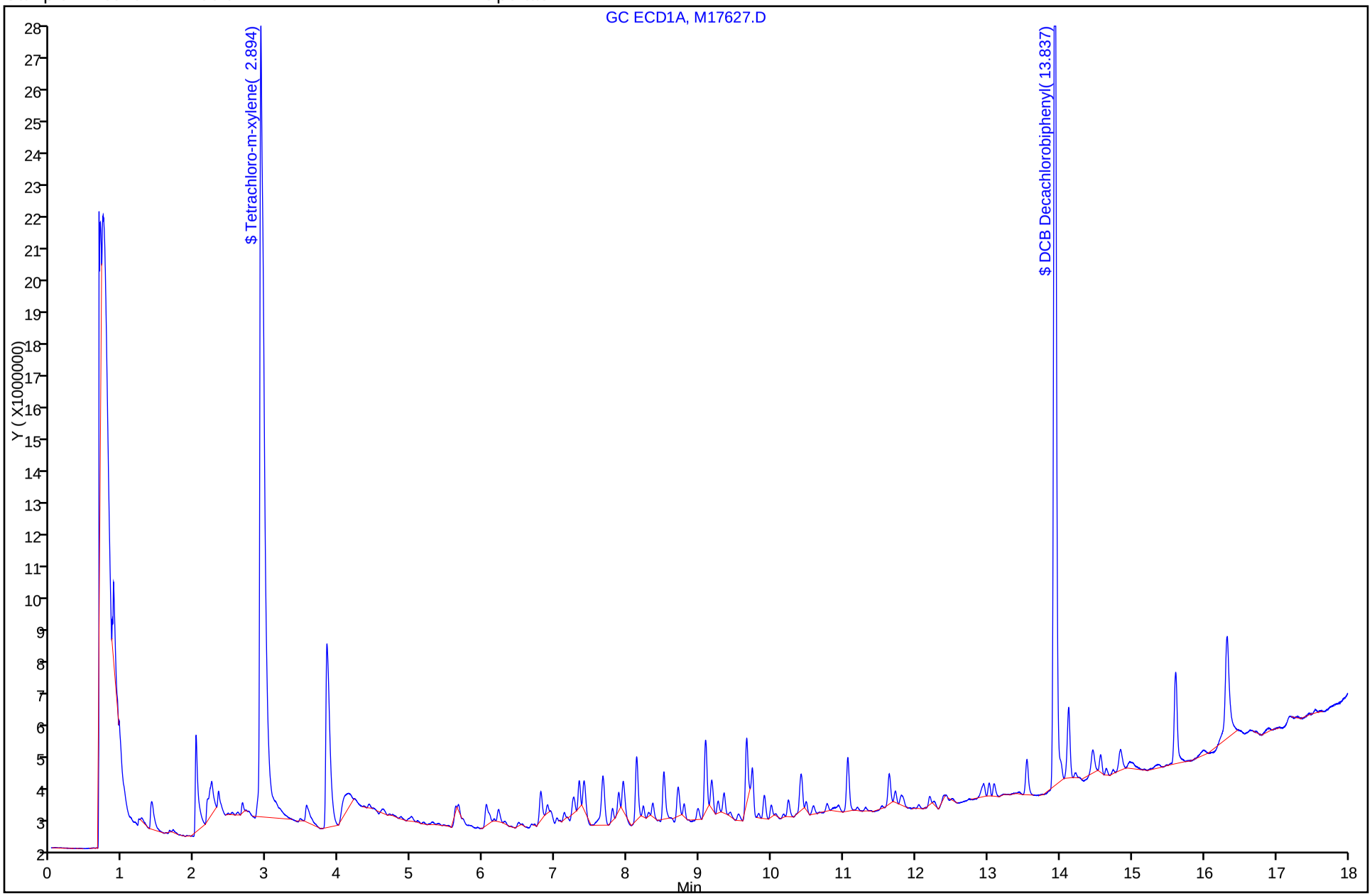
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17627.D		
Lims ID:	360-24582-A-21-A	Client ID:	OC-SS-416-0.0/1.0-DUP
Inject. Date:	16-Sep-2009 20:02:42	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-21-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	26
Lims Batch ID:	49051	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:59:13
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:53
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:52:01

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.894	2.894	0.000	2140459139	28.1	
2	2.696	2.696	0.000	783560470	29.7	
$ 1 DCB Decachlorobiphenyl						
1	13.837	13.838	-0.001	1593026880	26.1	
2	14.311	14.311	0.000	546480900	22.3	

Report Date: 17-Sep-2009 14:52:02 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17627.D		
Inj Date:	16-Sep-2009 20:02:42	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	8
Client ID:	OC-SS-416-0.0/1.0-DUP	Instrument:	Inst. M
Sample Info:	360-24582-A-21-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX | Lab Sample ID: 360-24582-22

Matrix: Solid | Lab File ID: M17628.D

Analysis Method: 8082 | Date Collected: 09/15/2009 12:40

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.31(g) | Date Analyzed: 09/16/2009 20:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		110	14
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	68
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	ND		110	29
37324-23-5	PCB-1262	ND		110	15
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	83	30-150	
877-09-8	Tetrachloro-m-xylene	94	30-150	

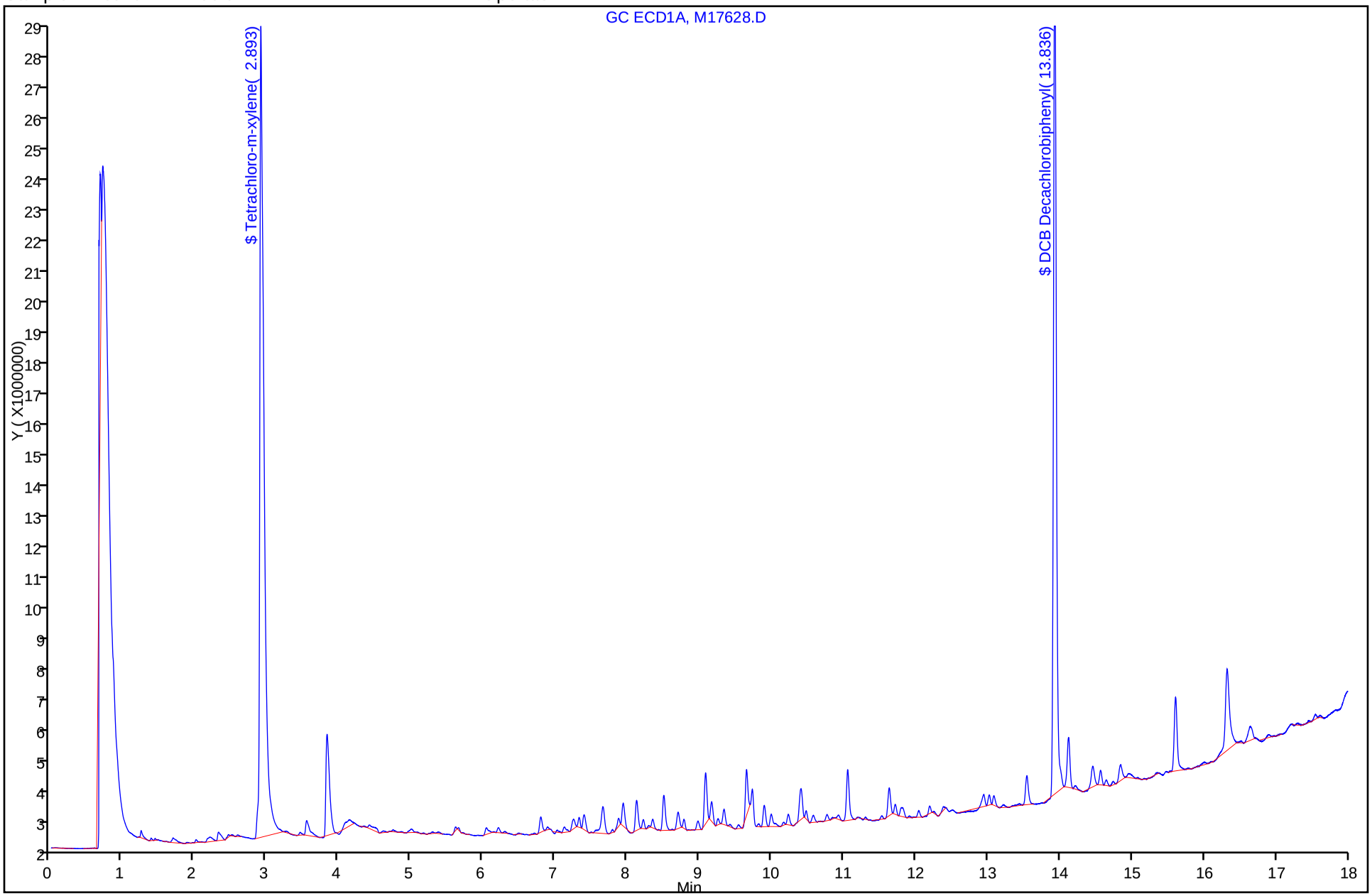
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17628.D		
Lims ID:	360-24582-A-22-A	Client ID:	OC-SS-416-0.0/1.0-XXX
Inject. Date:	16-Sep-2009 20:24:21	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24582-A-22-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	27
Lims Batch ID:	49051	Lims Sample ID:	9
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:59:45
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:46:44
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:52:16

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.893	2.894	-0.001	2150268448	28.2	
2	2.696	2.696	0.000	767600768	29.2	
$ 1 DCB Decachlorobiphenyl						
1	13.836	13.838	-0.002	1518546656	24.9	
2	14.311	14.311	0.000	525336481	21.4	

Report Date: 17-Sep-2009 14:52:17 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17628.D		
Inj Date:	16-Sep-2009 20:24:21	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	9
Client ID:	OC-SS-416-0.0/1.0-XXX	Instrument:	Inst. M
Sample Info:	360-24582-A-22-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.190										2.990 - 3.390	3.190
PCB-1221 Peak 2	3.435										3.235 - 3.635	3.435
PCB-1221 Peak 3	3.502										3.302 - 3.702	3.502
PCB-1254 Peak 1	7.299										7.099 - 7.499	7.299
PCB-1254 Peak 2	8.090										7.890 - 8.290	8.090
PCB-1254 Peak 3	8.660										8.460 - 8.860	8.660
PCB-1254 Peak 4	9.039										8.839 - 9.239	9.039
PCB-1254 Peak 5	9.606										9.406 - 9.806	9.606

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	722760				Ave		722760						20.0			
PCB-1221 Peak 2	115028				Ave		115028						20.0			
PCB-1221 Peak 3	1888500				Ave		1888500						20.0			
PCB-1254 Peak 1	2034192				Ave		2034192						20.0			
PCB-1254 Peak 2	3738913				Ave		3738913						20.0			
PCB-1254 Peak 3	3012214				Ave		3012214						20.0			
PCB-1254 Peak 4	2832487				Ave		2832487						20.0			
PCB-1254 Peak 5	4031140				Ave		4031140						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	722760000					1000				
PCB-1221 Peak 2	Ave	115028192					1000				
PCB-1221 Peak 3	Ave	1888499993					1000				
PCB-1254 Peak 1	Ave	2034192224					1000				
PCB-1254 Peak 2	Ave	3738913472					1000				
PCB-1254 Peak 3	Ave	3012213568					1000				
PCB-1254 Peak 4	Ave	2832486816					1000				
PCB-1254 Peak 5	Ave	4031140448					1000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17525.D		
Lims ID:	STD12211254	Client ID:	
Inject. Date:	08-Sep-2009 11:25:36	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD12211254		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48689	Lims Sample ID:	1
Sublist:	chrom-8082M*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:08:35	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:05:14
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:32
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:46
Reviewed By:	waltersg	Date:	14-Sep-2009 12:16:54
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:08:35

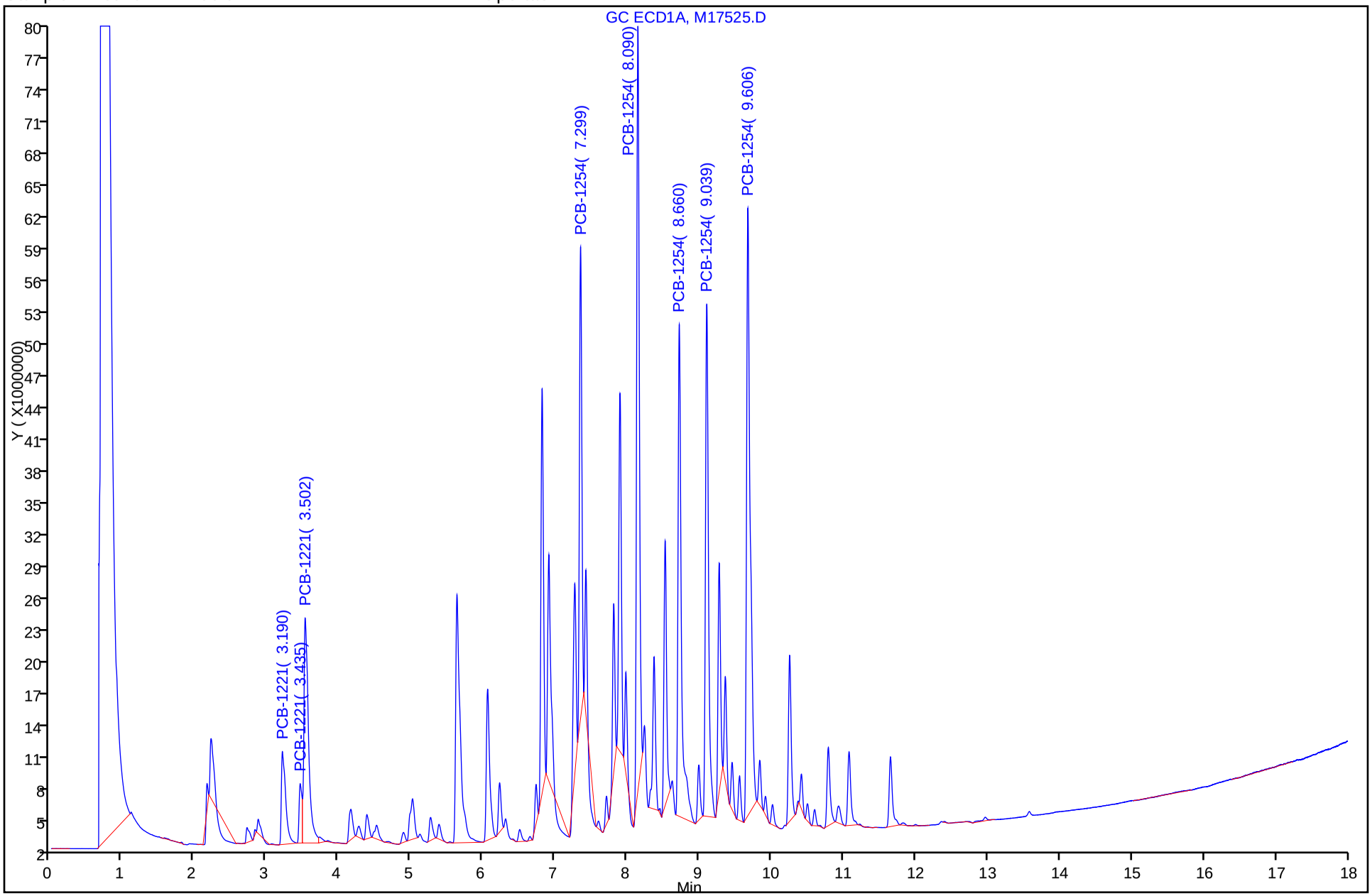
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
3 PCB-1221						M
1	3.190	3.190	0.000	722760000	1000.0	
1	3.435	3.435	0.000	115028192	1000.0	
1	3.502	3.502	0.000	1888499993	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.152	3.152	0.000	311316480	1000.0	
2	3.378	3.378	0.000	114521568	1000.0	
2	3.478	3.478	0.000	570063568	1000.0	
		Average of Peak Amounts =			1000.0	
7 PCB-1254						
1	7.299	7.299	0.000	2034192224	1000.0	
1	8.090	8.090	0.000	3738913472	1000.0	
1	8.660	8.660	0.000	3012213568	1000.0	
1	9.039	9.039	0.000	2832486816	1000.0	
1	9.606	9.606	0.000	4031140448	1000.0	
		Average of Peak Amounts =			1000.0	
2	6.986	6.986	0.000	734555872	1000.0	
2	7.396	7.396	0.000	1059670816	1000.0	
2	8.294	8.294	0.000	1481115872	1000.0	
2	8.779	8.779	0.000	836188256	1000.0	
2	9.465	9.465	0.000	712224704	1000.0	
		Average of Peak Amounts =			1000.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:08:36 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17525.D		
Inj Date:	08-Sep-2009 11:25:36	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	1
Client ID:		Instrument:	Inst. M
Sample Info:	STD12211254		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.152										2.952 - 3.352	3.152
PCB-1221 Peak 2	3.378										3.178 - 3.578	3.378
PCB-1221 Peak 3	3.478										3.278 - 3.678	3.478
PCB-1254 Peak 1	6.986										6.786 - 7.186	6.986
PCB-1254 Peak 2	7.396										7.196 - 7.596	7.396
PCB-1254 Peak 3	8.294										8.094 - 8.494	8.294
PCB-1254 Peak 4	8.779										8.579 - 8.979	8.779
PCB-1254 Peak 5	9.465										9.265 - 9.665	9.465

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	311316				Ave		311316						20.0			
PCB-1221 Peak 2	114522				Ave		114522						20.0			
PCB-1221 Peak 3	570064				Ave		570064						20.0			
PCB-1254 Peak 1	734556				Ave		734556						20.0			
PCB-1254 Peak 2	1059671				Ave		1059671						20.0			
PCB-1254 Peak 3	1481116				Ave		1481116						20.0			
PCB-1254 Peak 4	836188				Ave		836188						20.0			
PCB-1254 Peak 5	712225				Ave		712225						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:25 Calibration End Date: 09/08/2009 11:25 Calibration ID: 4612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD12211254 360-48689/1	M17525.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	311316480					1000				
PCB-1221 Peak 2	Ave	114521568					1000				
PCB-1221 Peak 3	Ave	570063568					1000				
PCB-1254 Peak 1	Ave	734555872					1000				
PCB-1254 Peak 2	Ave	1059670816					1000				
PCB-1254 Peak 3	Ave	1481115872					1000				
PCB-1254 Peak 4	Ave	836188256					1000				
PCB-1254 Peak 5	Ave	712224704					1000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17525.D		
Lims ID:	STD12211254	Client ID:	
Inject. Date:	08-Sep-2009 11:25:36	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD12211254		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48689	Lims Sample ID:	1
Sublist:	chrom-8082M*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:08:35	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:05:14
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:32
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:46
Reviewed By:	waltersg	Date:	14-Sep-2009 12:16:54
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:08:35

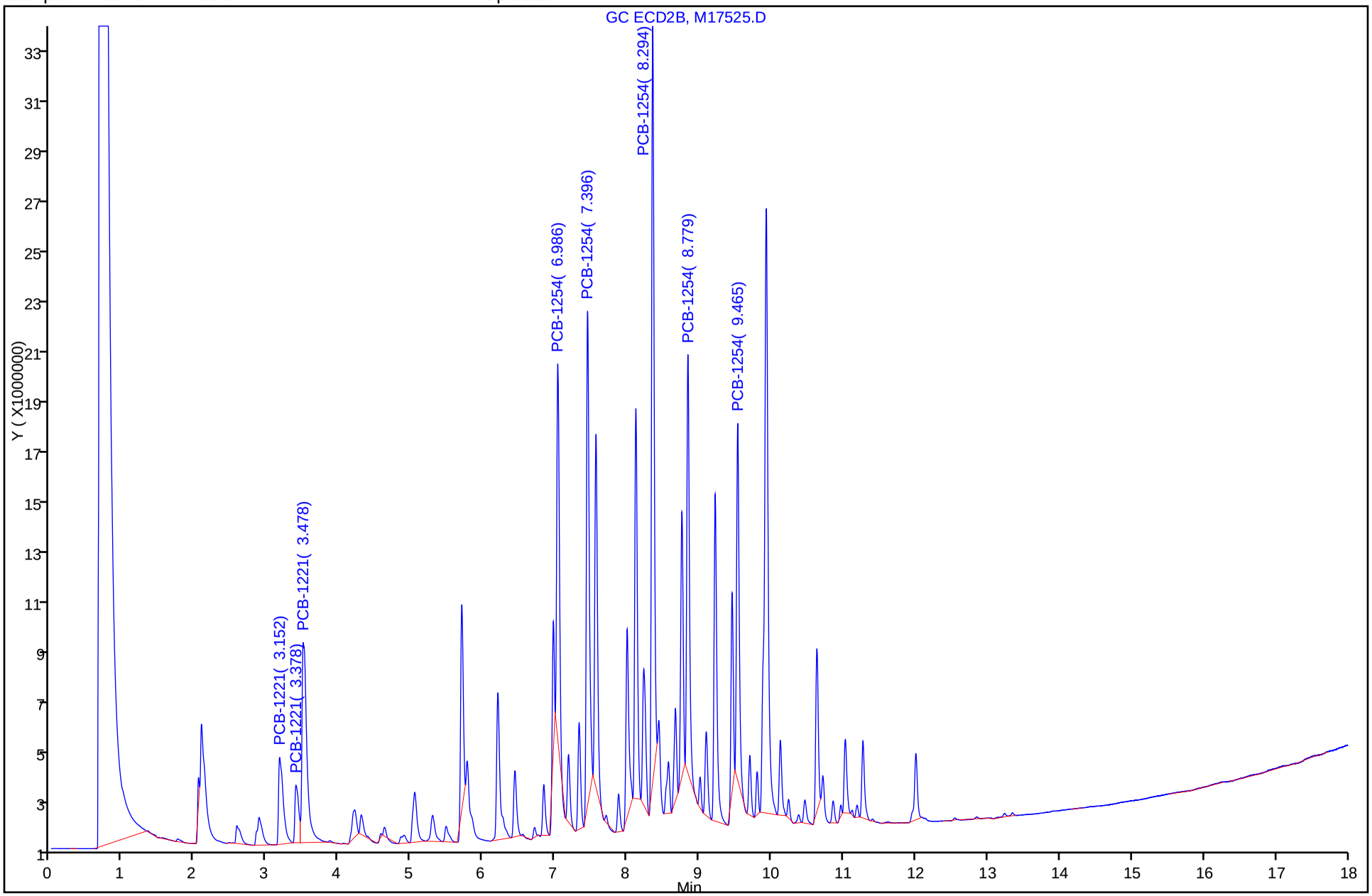
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
3 PCB-1221						M
1	3.190	3.190	0.000	722760000	1000.0	
1	3.435	3.435	0.000	115028192	1000.0	
1	3.502	3.502	0.000	1888499993	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.152	3.152	0.000	311316480	1000.0	
2	3.378	3.378	0.000	114521568	1000.0	
2	3.478	3.478	0.000	570063568	1000.0	
		Average of Peak Amounts =			1000.0	
7 PCB-1254						
1	7.299	7.299	0.000	2034192224	1000.0	
1	8.090	8.090	0.000	3738913472	1000.0	
1	8.660	8.660	0.000	3012213568	1000.0	
1	9.039	9.039	0.000	2832486816	1000.0	
1	9.606	9.606	0.000	4031140448	1000.0	
		Average of Peak Amounts =			1000.0	
2	6.986	6.986	0.000	734555872	1000.0	
2	7.396	7.396	0.000	1059670816	1000.0	
2	8.294	8.294	0.000	1481115872	1000.0	
2	8.779	8.779	0.000	836188256	1000.0	
2	9.465	9.465	0.000	712224704	1000.0	
		Average of Peak Amounts =			1000.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:08:36 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17525.D		
Inj Date:	08-Sep-2009 11:25:36	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	1
Client ID:		Instrument:	Inst. M
Sample Info:	STD12211254		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4615

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.493										3.293 - 3.693	3.493
PCB-1232 Peak 2	4.119										3.919 - 4.319	4.119
PCB-1232 Peak 3	4.970										4.770 - 5.170	4.970
PCB-1232 Peak 4	6.006										5.806 - 6.206	6.006
PCB-1232 Peak 5	7.286										7.086 - 7.486	7.286

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4615

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	1030241				Ave		1030241						20.0			
PCB-1232 Peak 2	1232114				Ave		1232114						20.0			
PCB-1232 Peak 3	1794804				Ave		1794804						20.0			
PCB-1232 Peak 4	832580				Ave		832580						20.0			
PCB-1232 Peak 5	272597				Ave		272597						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4615

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	1030240928					1000				
PCB-1232 Peak 2	Ave	1232113772					1000				
PCB-1232 Peak 3	Ave	1794803648					1000				
PCB-1232 Peak 4	Ave	832580416					1000				
PCB-1232 Peak 5	Ave	272596672					1000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17526.D		
Lims ID:	STD1232	Client ID:	
Inject. Date:	08-Sep-2009 11:47:04	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1232		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48689	Lims Sample ID:	2
Sublist:	chrom-8082M*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

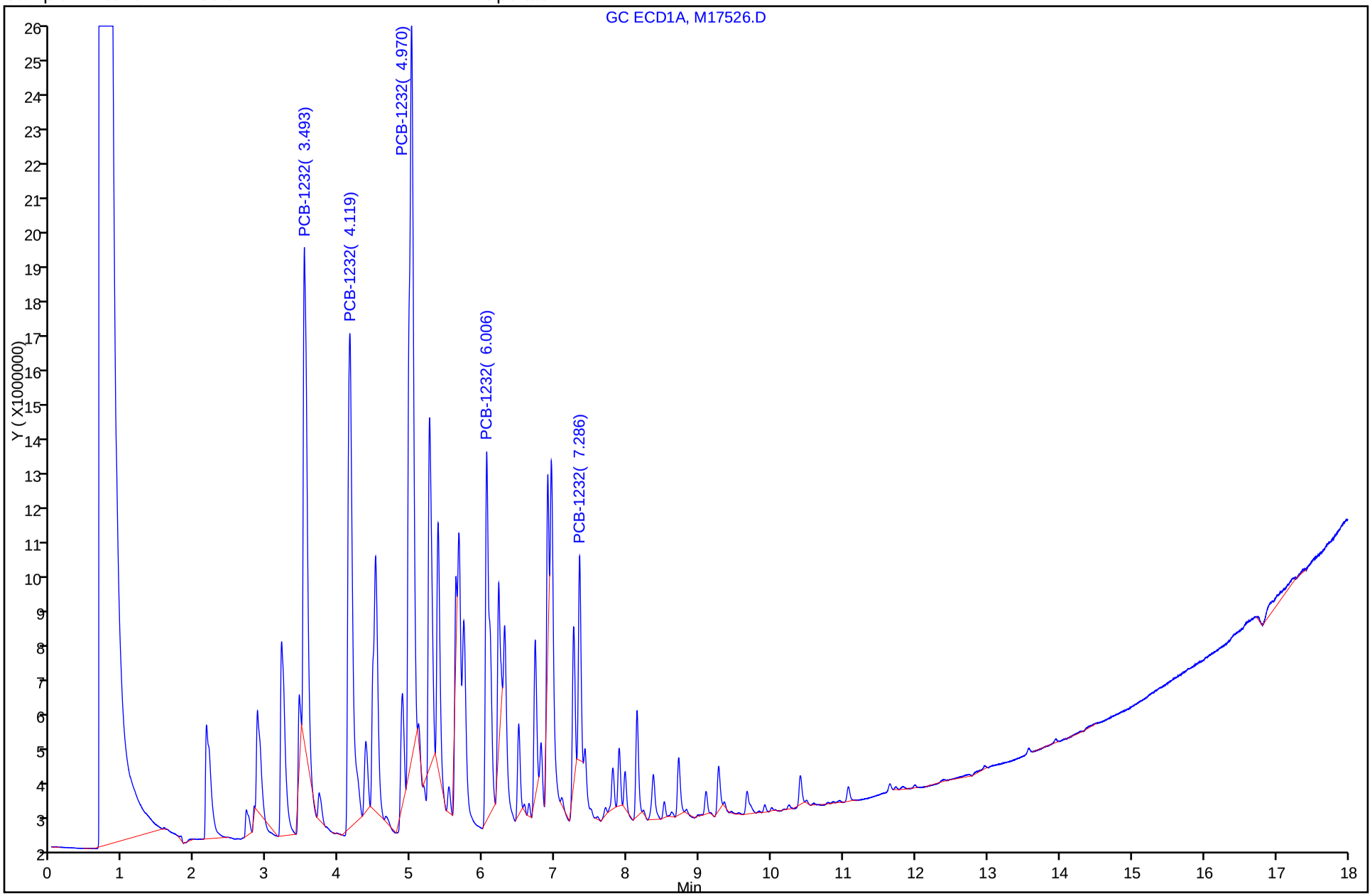
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:16	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:08:29
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:36
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:58
Reviewed By:	waltersg	Date:	14-Sep-2009 12:20:13
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:16

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
4 PCB-1232						
1	3.493	3.493	0.000	1030240928	1000.0	
1	4.119	4.119	0.000	1232113772	1000.0	
1	4.970	4.970	0.000	1794803648	1000.0	
1	6.006	6.006	0.000	832580416	1000.0	
1	7.286	7.286	0.000	272596672	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.476	3.476	0.000	485954352	1000.0	
2	4.186	4.186	0.000	354624544	1000.0	
2	5.012	5.012	0.000	874928032	1000.0	
2	6.393	6.393	0.000	291674688	1000.0	
2	7.005	7.005	0.000	161373120	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:16 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17526.D		
Inj Date:	08-Sep-2009 11:47:04	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	2
Client ID:		Instrument:	Inst. M
Sample Info:	STD1232		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.476										3.276 - 3.676	3.476
PCB-1232 Peak 2	4.186										3.986 - 4.386	4.186
PCB-1232 Peak 3	5.012										4.812 - 5.212	5.012
PCB-1232 Peak 4	6.393										6.193 - 6.593	6.393
PCB-1232 Peak 5	7.005										6.805 - 7.205	7.005

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	485954				Ave		485954						20.0			
PCB-1232 Peak 2	354625				Ave		354625						20.0			
PCB-1232 Peak 3	874928				Ave		874928						20.0			
PCB-1232 Peak 4	291675				Ave		291675						20.0			
PCB-1232 Peak 5	161373				Ave		161373						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 11:47 Calibration End Date: 09/08/2009 11:47 Calibration ID: 4616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 360-48689/2	M17526.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	485954352					1000				
PCB-1232 Peak 2	Ave	354624544					1000				
PCB-1232 Peak 3	Ave	874928032					1000				
PCB-1232 Peak 4	Ave	291674688					1000				
PCB-1232 Peak 5	Ave	161373120					1000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17526.D		
Lims ID:	STD1232	Client ID:	
Inject. Date:	08-Sep-2009 11:47:04	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1232		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48689	Lims Sample ID:	2
Sublist:	chrom-8082M*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

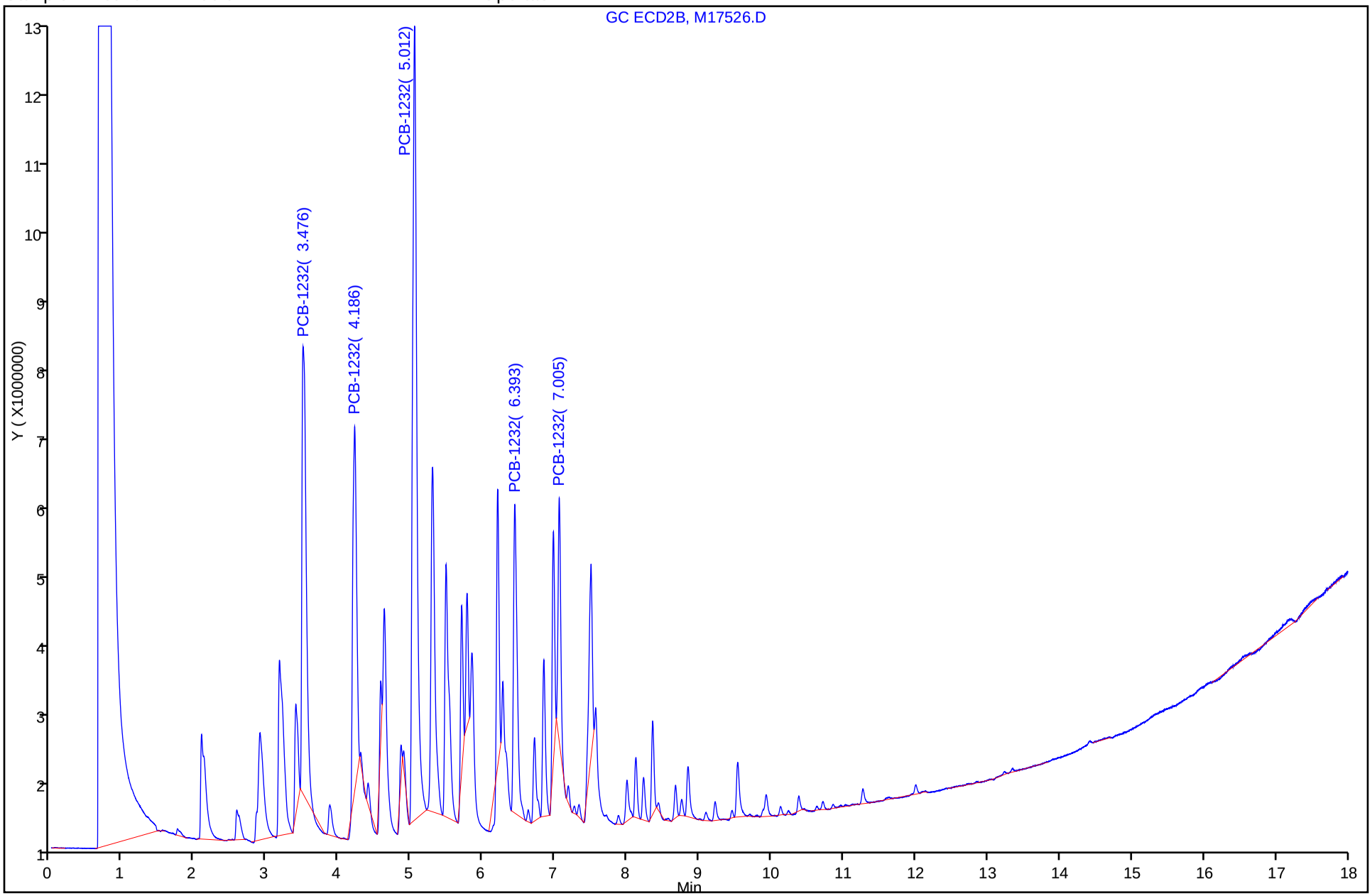
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:16	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:08:29
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:36
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:58
Reviewed By:	waltersg	Date:	14-Sep-2009 12:20:13
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:16

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
4 PCB-1232						
1	3.493	3.493	0.000	1030240928	1000.0	
1	4.119	4.119	0.000	1232113772	1000.0	
1	4.970	4.970	0.000	1794803648	1000.0	
1	6.006	6.006	0.000	832580416	1000.0	
1	7.286	7.286	0.000	272596672	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.476	3.476	0.000	485954352	1000.0	
2	4.186	4.186	0.000	354624544	1000.0	
2	5.012	5.012	0.000	874928032	1000.0	
2	6.393	6.393	0.000	291674688	1000.0	
2	7.005	7.005	0.000	161373120	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:17 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17526.D		
Inj Date:	08-Sep-2009 11:47:04	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	2
Client ID:		Instrument:	Inst. M
Sample Info:	STD1232		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	3.493										3.293 - 3.693	3.493
PCB-1242 Peak 2	4.119										3.919 - 4.319	4.119
PCB-1242 Peak 3	4.969										4.769 - 5.169	4.969
PCB-1242 Peak 4	6.005										5.805 - 6.205	6.005
PCB-1242 Peak 5	7.284										7.084 - 7.484	7.284

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	763294				Ave		763294						20.0			
PCB-1242 Peak 2	2120139				Ave		2120139						20.0			
PCB-1242 Peak 3	3319934				Ave		3319934						20.0			
PCB-1242 Peak 4	1705528				Ave		1705528						20.0			
PCB-1242 Peak 5	574784				Ave		574784						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	763294336					1000				
PCB-1242 Peak 2	Ave	2120138784					1000				
PCB-1242 Peak 3	Ave	3319934464					1000				
PCB-1242 Peak 4	Ave	1705527936					1000				
PCB-1242 Peak 5	Ave	574784192					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17527.D		
Lims ID:	STD1242	Client ID:	
Inject. Date:	08-Sep-2009 12:08:32	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1242		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	48689	Lims Sample ID:	3
Sublist:	chrom-8082M*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

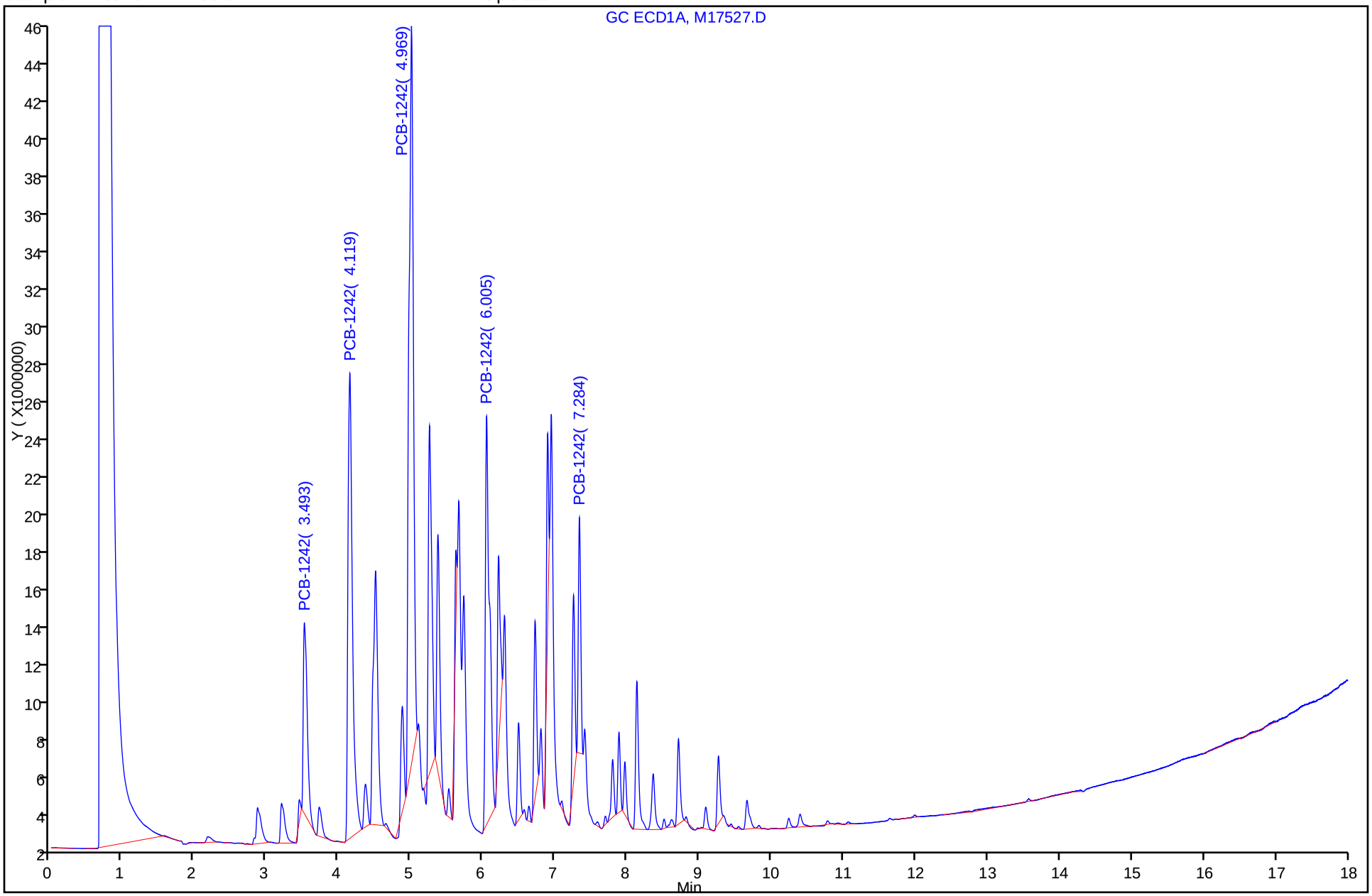
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:33	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:37:48
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:41
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:13
Reviewed By:	waltersg	Date:	14-Sep-2009 12:20:40
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:33

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
5 PCB-1242						
1	3.493	3.493	0.000	763294336	1000.0	
1	4.119	4.119	0.000	2120138784	1000.0	
1	4.969	4.969	0.000	3319934464	1000.0	
1	6.005	6.005	0.000	1705527936	1000.0	
1	7.284	7.284	0.000	574784192	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.474	3.474	0.000	360662336	1000.0	
2	4.186	4.186	0.000	779041283	1000.0	
2	5.012	5.012	0.000	1557706976	1000.0	
2	5.258	5.258	0.000	638460896	1000.0	
2	6.392	6.392	0.000	618408864	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:33 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17527.D		
Inj Date:	08-Sep-2009 12:08:32	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	3
Client ID:		Instrument:	Inst. M
Sample Info:	STD1242		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4620

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	3.474										3.274 - 3.674	3.474
PCB-1242 Peak 2	4.186										3.986 - 4.386	4.186
PCB-1242 Peak 3	5.012										4.812 - 5.212	5.012
PCB-1242 Peak 4	5.258										5.058 - 5.458	5.258
PCB-1242 Peak 5	6.392										6.192 - 6.592	6.392

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4620

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	360662				Ave		360662						20.0			
PCB-1242 Peak 2	779041				Ave		779041						20.0			
PCB-1242 Peak 3	1557707				Ave		1557707						20.0			
PCB-1242 Peak 4	638461				Ave		638461						20.0			
PCB-1242 Peak 5	618409				Ave		618409						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:08 Calibration End Date: 09/08/2009 12:08 Calibration ID: 4620

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 360-48689/3	M17527.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	360662336					1000				
PCB-1242 Peak 2	Ave	779041283					1000				
PCB-1242 Peak 3	Ave	1557706976					1000				
PCB-1242 Peak 4	Ave	638460896					1000				
PCB-1242 Peak 5	Ave	618408864					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17527.D		
Lims ID:	STD1242	Client ID:	
Inject. Date:	08-Sep-2009 12:08:32	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1242		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	48689	Lims Sample ID:	3
Sublist:	chrom-8082M*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

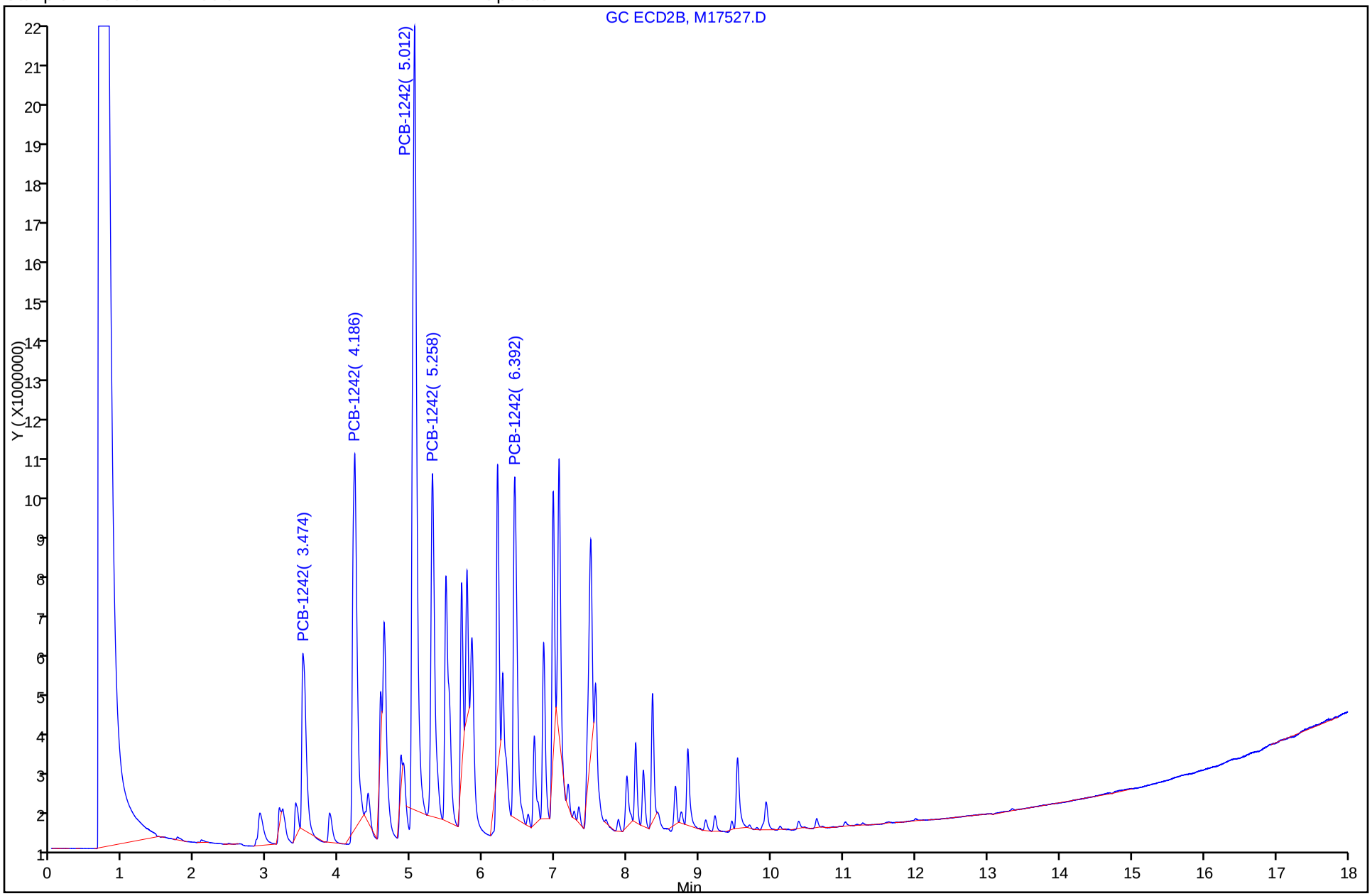
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:33	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:37:48
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:41
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:13
Reviewed By:	waltersg	Date:	14-Sep-2009 12:20:40
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:33

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
5 PCB-1242						
1	3.493	3.493	0.000	763294336	1000.0	
1	4.119	4.119	0.000	2120138784	1000.0	
1	4.969	4.969	0.000	3319934464	1000.0	
1	6.005	6.005	0.000	1705527936	1000.0	
1	7.284	7.284	0.000	574784192	1000.0	
		Average of Peak Amounts =			1000.0	
2	3.474	3.474	0.000	360662336	1000.0	
2	4.186	4.186	0.000	779041283	1000.0	
2	5.012	5.012	0.000	1557706976	1000.0	
2	5.258	5.258	0.000	638460896	1000.0	
2	6.392	6.392	0.000	618408864	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:34 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17527.D		
Inj Date:	08-Sep-2009 12:08:32	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	3
Client ID:		Instrument:	Inst. M
Sample Info:	STD1242		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.120										3.920 - 4.320	4.120
PCB-1248 Peak 2	4.970										4.770 - 5.170	4.970
PCB-1248 Peak 3	6.007										5.807 - 6.207	6.007
PCB-1248 Peak 4	7.286										7.086 - 7.486	7.286
PCB-1248 Peak 5	8.077										7.877 - 8.277	8.077

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	968359				Ave		968359						20.0			
PCB-1248 Peak 2	1943174				Ave		1943174						20.0			
PCB-1248 Peak 3	2593085				Ave		2593085						20.0			
PCB-1248 Peak 4	1078818				Ave		1078818						20.0			
PCB-1248 Peak 5	1260035				Ave		1260035						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	968358624					1000				
PCB-1248 Peak 2	Ave	1943174368					1000				
PCB-1248 Peak 3	Ave	2593084720					1000				
PCB-1248 Peak 4	Ave	1078818112					1000				
PCB-1248 Peak 5	Ave	1260034624					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17528.D		
Lims ID:	STD1248	Client ID:	
Inject. Date:	08-Sep-2009 12:30:08	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1248		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	48689	Lims Sample ID:	4
Sublist:	chrom-8082M*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

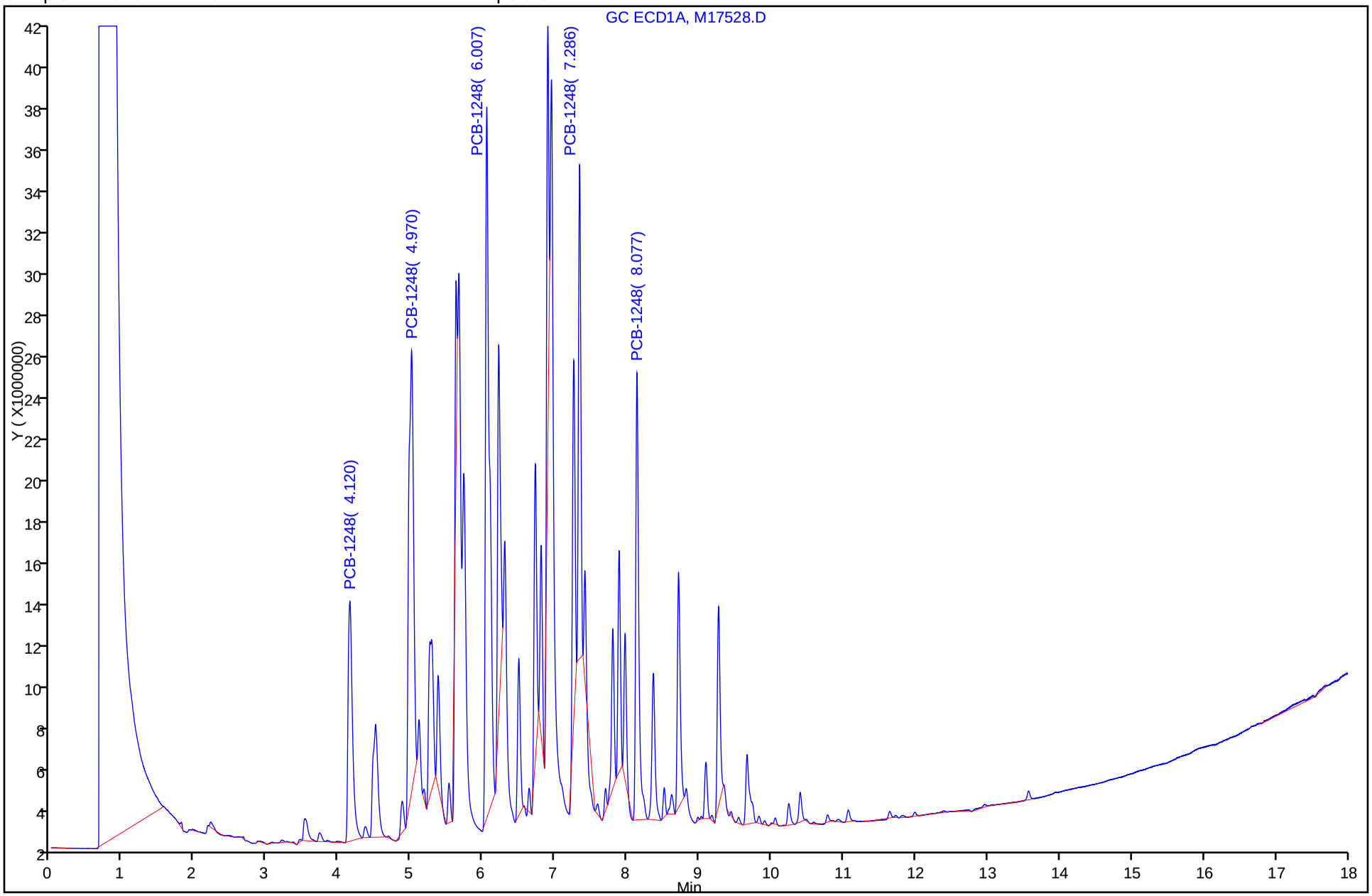
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:51	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:40:38
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:45
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:27
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:02
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:51

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
6 PCB-1248						
1	4.120	4.120	0.000	968358624	1000.0	
1	4.970	4.970	0.000	1943174368	1000.0	
1	6.007	6.007	0.000	2593084720	1000.0	
1	7.286	7.286	0.000	1078818112	1000.0	
1	8.077	8.077	0.000	1260034624	1000.0	
		Average of Peak Amounts =			1000.0	
2	5.009	5.009	0.000	1173382464	1000.0	
2	6.155	6.155	0.000	633858336	1000.0	
2	6.390	6.390	0.000	1106777472	1000.0	
2	8.292	8.292	0.000	632029584	1000.0	
2	9.461	9.461	0.000	346452880	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:52 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17528.D		
Inj Date:	08-Sep-2009 12:30:08	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	4
Client ID:		Instrument:	Inst. M
Sample Info:	STD1248		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	5.009										4.809 - 5.209	5.009
PCB-1248 Peak 2	6.155										5.955 - 6.355	6.155
PCB-1248 Peak 3	6.390										6.190 - 6.590	6.390
PCB-1248 Peak 4	8.292										8.092 - 8.492	8.292
PCB-1248 Peak 5	9.461										9.261 - 9.661	9.461

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	1173382				Ave		1173382						20.0			
PCB-1248 Peak 2	633858				Ave		633858						20.0			
PCB-1248 Peak 3	1106777				Ave		1106777						20.0			
PCB-1248 Peak 4	632030				Ave		632030						20.0			
PCB-1248 Peak 5	346453				Ave		346453						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:30 Calibration End Date: 09/08/2009 12:30 Calibration ID: 4624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 360-48689/4	M17528.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	1173382464					1000				
PCB-1248 Peak 2	Ave	633858336					1000				
PCB-1248 Peak 3	Ave	1106777472					1000				
PCB-1248 Peak 4	Ave	632029584					1000				
PCB-1248 Peak 5	Ave	346452880					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17528.D		
Lims ID:	STD1248	Client ID:	
Inject. Date:	08-Sep-2009 12:30:08	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1248		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	48689	Lims Sample ID:	4
Sublist:	chrom-8082M*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

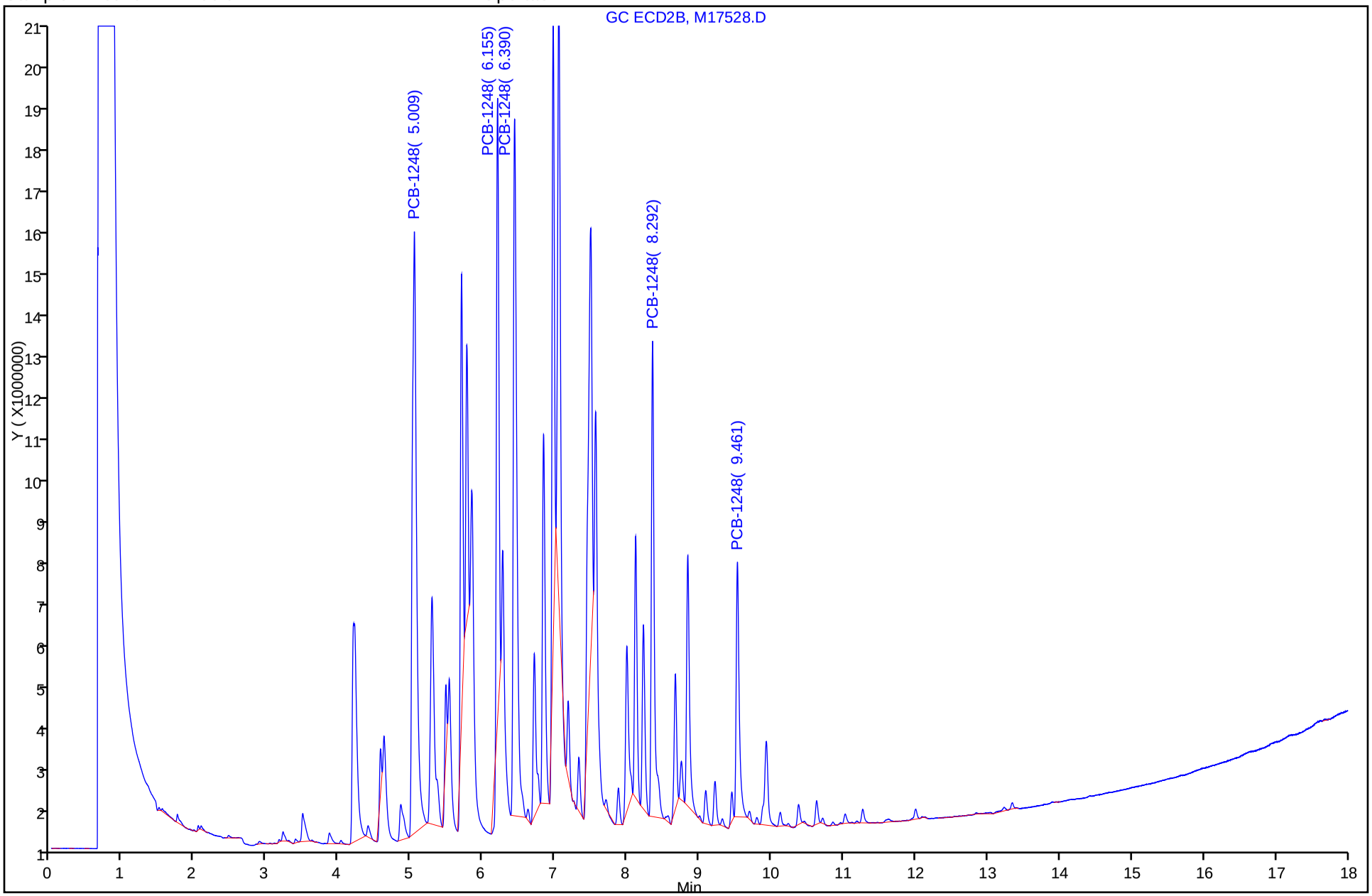
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:09:51	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:40:38
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:45
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:27
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:02
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:09:51

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
6 PCB-1248						
1	4.120	4.120	0.000	968358624	1000.0	
1	4.970	4.970	0.000	1943174368	1000.0	
1	6.007	6.007	0.000	2593084720	1000.0	
1	7.286	7.286	0.000	1078818112	1000.0	
1	8.077	8.077	0.000	1260034624	1000.0	
		Average of Peak Amounts =			1000.0	
2	5.009	5.009	0.000	1173382464	1000.0	
2	6.155	6.155	0.000	633858336	1000.0	
2	6.390	6.390	0.000	1106777472	1000.0	
2	8.292	8.292	0.000	632029584	1000.0	
2	9.461	9.461	0.000	346452880	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:09:52 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17528.D		
Inj Date:	08-Sep-2009 12:30:08	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	4
Client ID:		Instrument:	Inst. M
Sample Info:	STD1248		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4625

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	8.452										8.252 - 8.652	8.452
PCB-1262 Peak 2	9.030										8.830 - 9.230	9.030
PCB-1262 Peak 3	9.837										9.637 - 10.037	9.837
PCB-1262 Peak 4	10.334										10.134 - 10.534	10.334
PCB-1262 Peak 5	12.867										12.667 - 13.067	12.867

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4625

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	2511474				Ave		2511474						20.0			
PCB-1262 Peak 2	1998916				Ave		1998916						20.0			
PCB-1262 Peak 3	3494945				Ave		3494945						20.0			
PCB-1262 Peak 4	2955023				Ave		2955023						20.0			
PCB-1262 Peak 5	1958474				Ave		1958474						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4625

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	2511474064					1000				
PCB-1262 Peak 2	Ave	1998915840					1000				
PCB-1262 Peak 3	Ave	3494944528					1000				
PCB-1262 Peak 4	Ave	2955023104					1000				
PCB-1262 Peak 5	Ave	1958473515					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17529.D		
Lims ID:	STD1262	Client ID:	
Inject. Date:	08-Sep-2009 12:51:39	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1262		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	48689	Lims Sample ID:	5
Sublist:	chrom-8082M*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

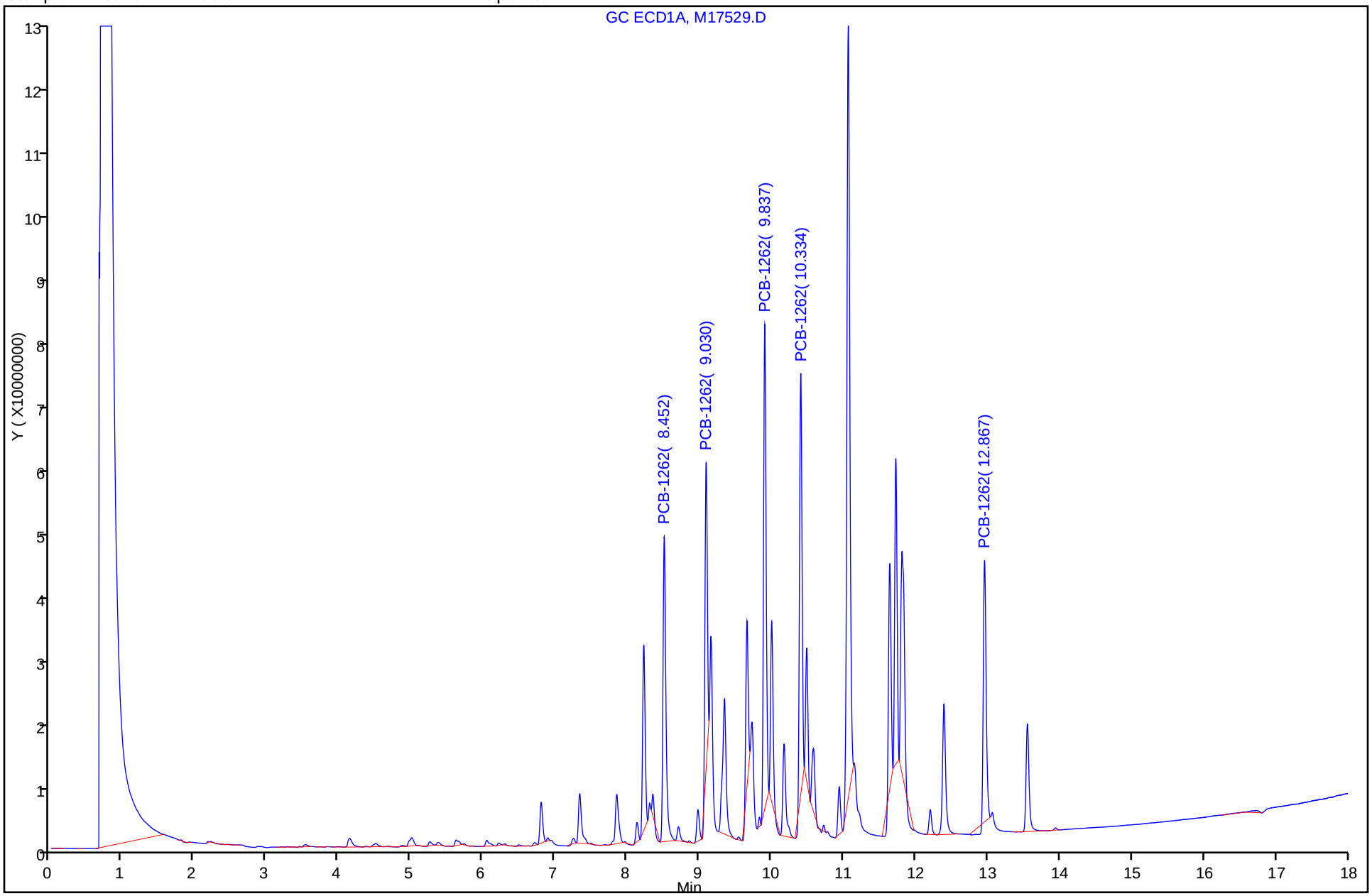
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:10:09	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:42:16
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:52
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:39
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:56
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:26
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:09

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
9 PCB-1262						
1	8.452	8.452	0.000	2511474064	1000.0	
1	9.030	9.030	0.000	1998915840	1000.0	
1	9.837	9.837	0.000	3494944528	1000.0	
1	10.334	10.334	0.000	2955023104	1000.0	
1	12.867	12.867	0.000	1958473515	1000.0	
		Average of Peak Amounts =			1000.0	
2	8.696	8.696	0.000	1050645107	1000.0	
2	10.057	10.057	0.000	1608788160	1000.0	
2	10.640	10.640	0.000	1584579680	1000.0	
2	11.189	11.189	0.000	3045276304	1000.0	
2	13.140	13.140	0.000	1134914094	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:10:09 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17529.D		
Inj Date:	08-Sep-2009 12:51:39	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	5
Client ID:		Instrument:	Inst. M
Sample Info:	STD1262		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4626

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	8.696										8.496 - 8.896	8.696
PCB-1262 Peak 2	10.057										9.857 - 10.257	10.057
PCB-1262 Peak 3	10.640										10.440 - 10.840	10.640
PCB-1262 Peak 4	11.189										10.989 - 11.389	11.189
PCB-1262 Peak 5	13.140										12.940 - 13.340	13.140

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4626

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	1050645				Ave		1050645						20.0			
PCB-1262 Peak 2	1608788				Ave		1608788						20.0			
PCB-1262 Peak 3	1584580				Ave		1584580						20.0			
PCB-1262 Peak 4	3045276				Ave		3045276						20.0			
PCB-1262 Peak 5	1134914				Ave		1134914						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 12:51 Calibration End Date: 09/08/2009 12:51 Calibration ID: 4626

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1262 360-48689/5	M17529.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	1050645107					1000				
PCB-1262 Peak 2	Ave	1608788160					1000				
PCB-1262 Peak 3	Ave	1584579680					1000				
PCB-1262 Peak 4	Ave	3045276304					1000				
PCB-1262 Peak 5	Ave	1134914094					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17529.D		
Lims ID:	STD1262	Client ID:	
Inject. Date:	08-Sep-2009 12:51:39	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1262		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	48689	Lims Sample ID:	5
Sublist:	chrom-8082M*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

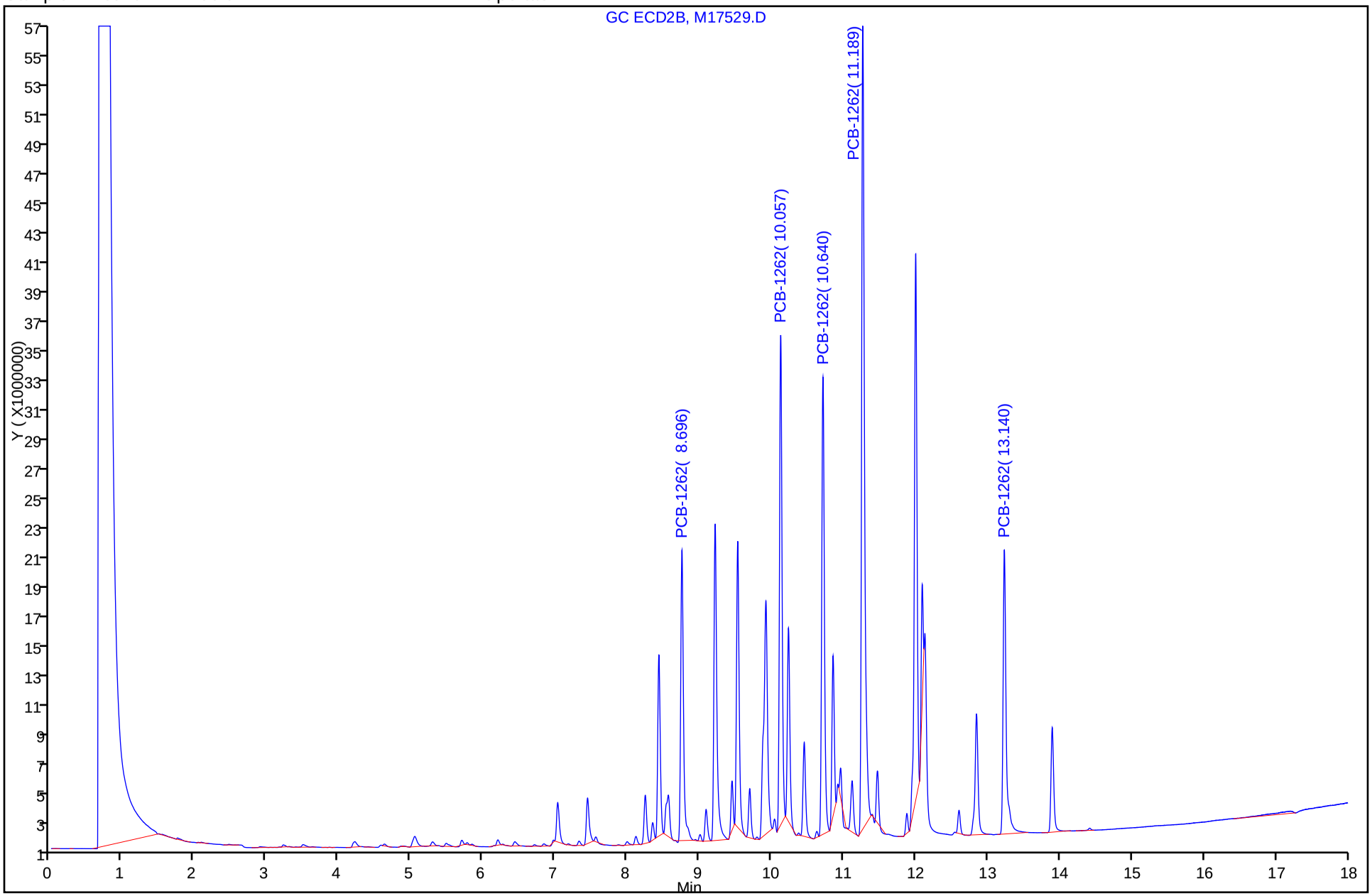
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:10:09	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:42:16
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:52
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:39
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:56
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:26
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:09

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
9 PCB-1262						
1	8.452	8.452	0.000	2511474064	1000.0	
1	9.030	9.030	0.000	1998915840	1000.0	
1	9.837	9.837	0.000	3494944528	1000.0	
1	10.334	10.334	0.000	2955023104	1000.0	
1	12.867	12.867	0.000	1958473515	1000.0	
		Average of Peak Amounts =			1000.0	
2	8.696	8.696	0.000	1050645107	1000.0	
2	10.057	10.057	0.000	1608788160	1000.0	
2	10.640	10.640	0.000	1584579680	1000.0	
2	11.189	11.189	0.000	3045276304	1000.0	
2	13.140	13.140	0.000	1134914094	1000.0	
		Average of Peak Amounts =			1000.0	

Report Date: 17-Sep-2009 14:10:10 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17529.D		
Inj Date:	08-Sep-2009 12:51:39	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	5
Client ID:		Instrument:	Inst. M
Sample Info:	STD1262		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4627

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	10.322										10.122 - 10.522	10.322
PCB-1268 Peak 2	11.644										11.444 - 11.844	11.644
PCB-1268 Peak 3	11.722										11.522 - 11.922	11.722
PCB-1268 Peak 4	12.118										11.918 - 12.318	12.118
PCB-1268 Peak 5	13.843										13.643 - 14.043	13.843

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4627

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1268 Peak 1	2162111				Ave		2162111						20.0			
PCB-1268 Peak 2	6799642				Ave		6799642						20.0			
PCB-1268 Peak 3	9724197				Ave		9724197						20.0			
PCB-1268 Peak 4	7502384				Ave		7502384						20.0			
PCB-1268 Peak 5	4551631				Ave		4551631						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4627

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	2162110784					1000				
PCB-1268 Peak 2	Ave	6799641552					1000				
PCB-1268 Peak 3	Ave	9724196962					1000				
PCB-1268 Peak 4	Ave	7502383520					1000				
PCB-1268 Peak 5	Ave	4551630784					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17530.D		
Lims ID:	STD1268	Client ID:	
Inject. Date:	08-Sep-2009 13:13:07	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1268		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	48689	Lims Sample ID:	6
Sublist:	chrom-8082M*sub6		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:10:28	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:44:46
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:57
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:46
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:10
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:53
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:28

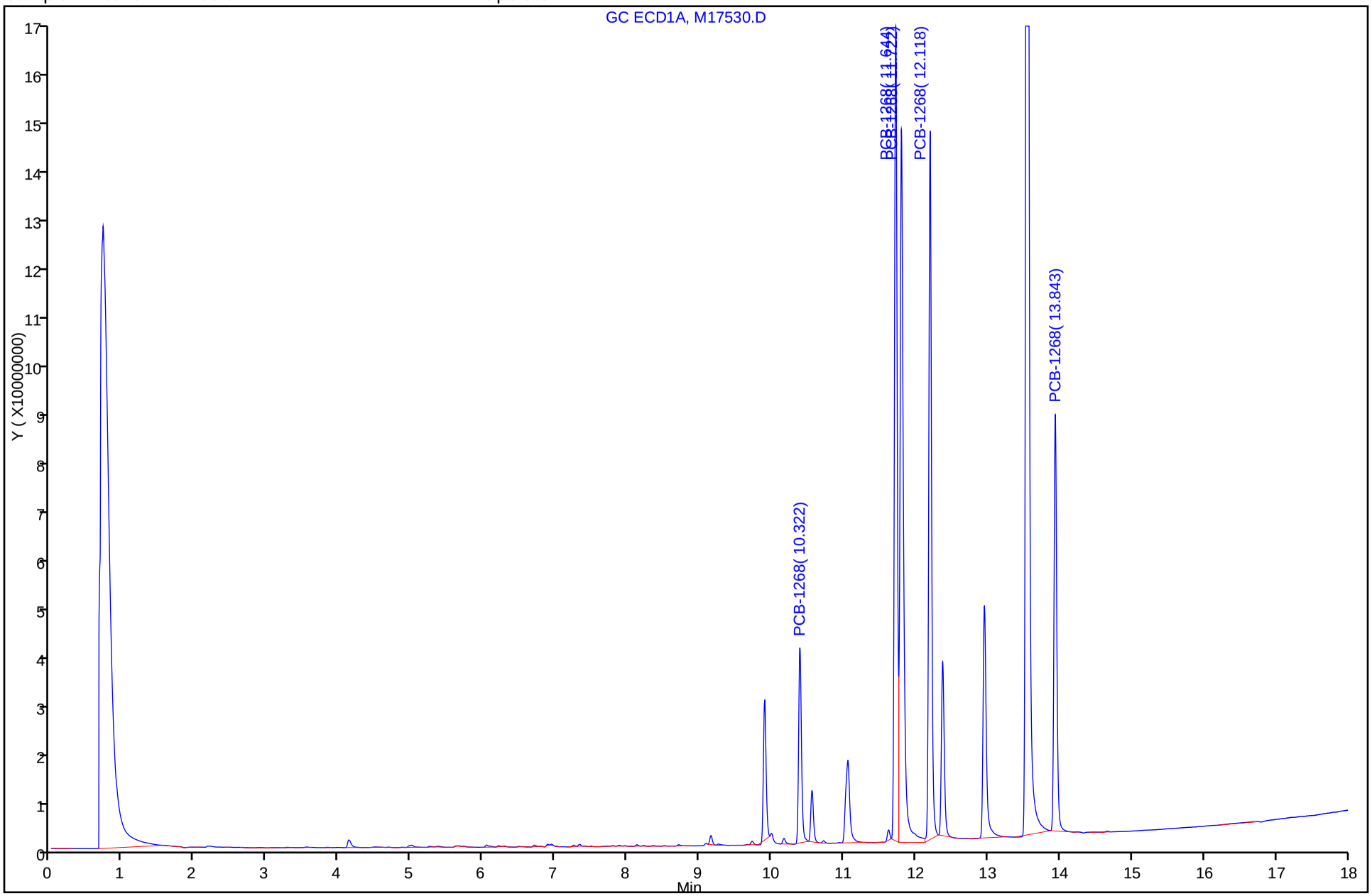
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
10 PCB-1268						M
1	10.322	10.322	0.000	2162110784	1000.0	
1	11.644	11.644	0.000	6799641552	1000.0	
1	11.722	11.722	0.000	9724196962	1000.0	
1	12.118	12.118	0.000	7502383520	1000.0	
1	13.843	13.843	0.000	4551630784	1000.0	
		Average of Peak Amounts =			1000.0	
2	10.648	10.648	0.000	888617860	1000.0	
2	11.916	11.916	0.000	3428828800	1000.0	
2	12.007	12.007	0.000	4028269900	1000.0	
2	12.514	12.514	0.000	3154393000	1000.0	
2	14.316	14.316	0.000	1872261312	1000.0	
		Average of Peak Amounts =			1000.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:10:28 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17530.D		
Inj Date:	08-Sep-2009 13:13:07	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	6
Client ID:		Instrument:	Inst. M
Sample Info:	STD1268		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	10.648										10.448 - 10.848	10.648
PCB-1268 Peak 2	11.916										11.716 - 12.116	11.916
PCB-1268 Peak 3	12.007										11.807 - 12.207	12.007
PCB-1268 Peak 4	12.514										12.314 - 12.714	12.514
PCB-1268 Peak 5	14.316										14.116 - 14.516	14.316

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1268 Peak 1	888618				Ave		888618						20.0			
PCB-1268 Peak 2	3428829				Ave		3428829						20.0			
PCB-1268 Peak 3	4028270				Ave		4028270						20.0			
PCB-1268 Peak 4	3154393				Ave		3154393						20.0			
PCB-1268 Peak 5	1872261				Ave		1872261						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:13 Calibration End Date: 09/08/2009 13:13 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1268 360-48689/6	M17530.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	888617860					1000				
PCB-1268 Peak 2	Ave	3428828800					1000				
PCB-1268 Peak 3	Ave	4028269900					1000				
PCB-1268 Peak 4	Ave	3154393000					1000				
PCB-1268 Peak 5	Ave	1872261312					1000				

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17530.D		
Lims ID:	STD1268	Client ID:	
Inject. Date:	08-Sep-2009 13:13:07	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD1268		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	48689	Lims Sample ID:	6
Sublist:	chrom-8082M*sub6		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	17-Sep-2009 14:10:28	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:44:46
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:02:57
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:04:46
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:10
Reviewed By:	waltersg	Date:	14-Sep-2009 12:21:53
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:28

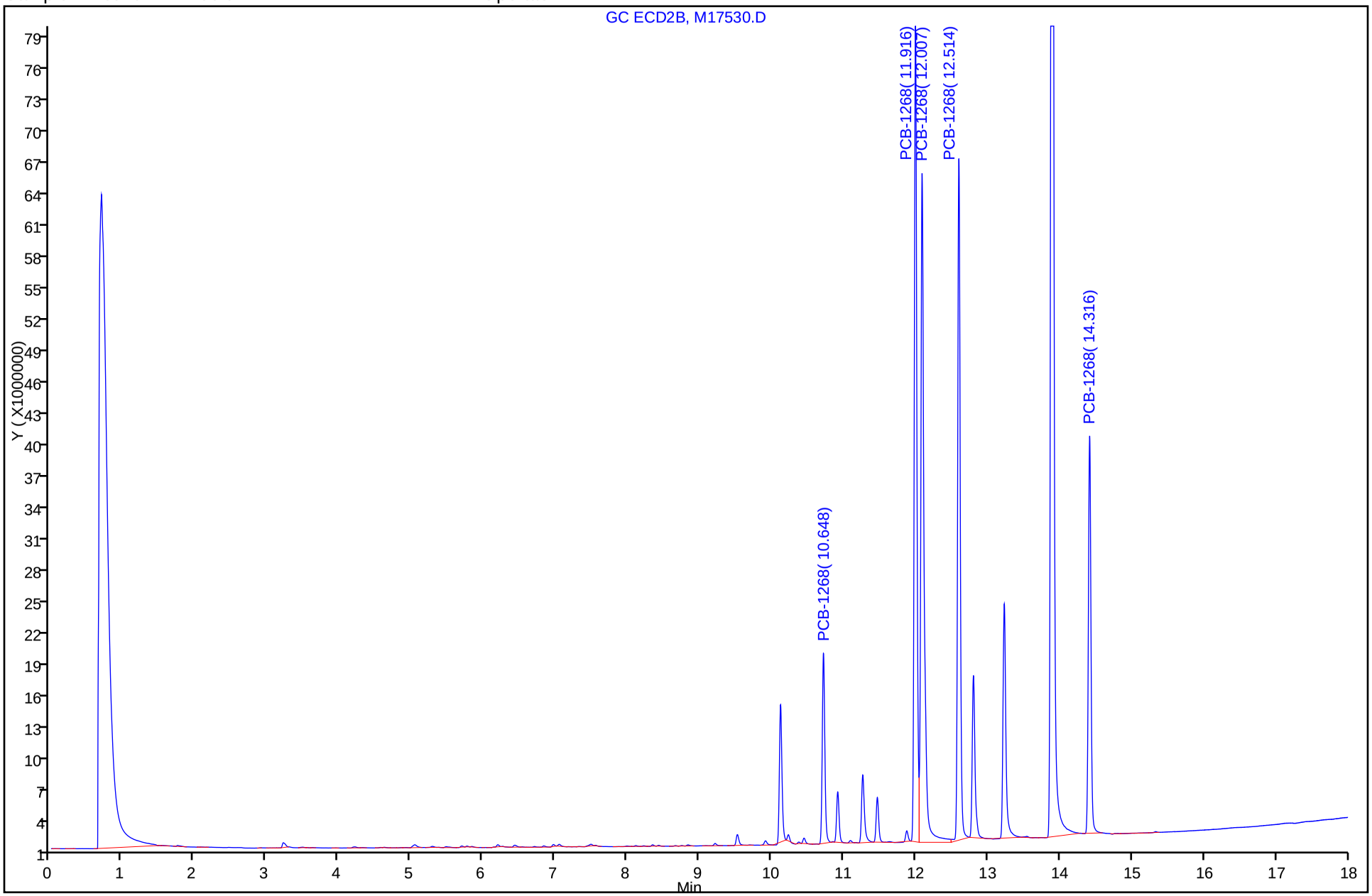
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
10 PCB-1268						M
1	10.322	10.322	0.000	2162110784	1000.0	
1	11.644	11.644	0.000	6799641552	1000.0	
1	11.722	11.722	0.000	9724196962	1000.0	
1	12.118	12.118	0.000	7502383520	1000.0	
1	13.843	13.843	0.000	4551630784	1000.0	
		Average of Peak Amounts =			1000.0	
2	10.648	10.648	0.000	888617860	1000.0	
2	11.916	11.916	0.000	3428828800	1000.0	
2	12.007	12.007	0.000	4028269900	1000.0	
2	12.514	12.514	0.000	3154393000	1000.0	
2	14.316	14.316	0.000	1872261312	1000.0	
		Average of Peak Amounts =			1000.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Sep-2009 14:10:29 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17530.D		
Inj Date:	08-Sep-2009 13:13:07	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	6
Client ID:		Instrument:	Inst. M
Sample Info:	STD1268		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4271

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	3.498	3.496	3.494	3.493	3.495	3.493					3.302 - 3.702	3.495
PCB-1016 Peak 2	4.120	4.118	4.120	4.119	4.120	4.119					3.926 - 4.326	4.119
PCB-1016 Peak 3	4.972	4.971	4.971	4.969	4.970	4.968					4.778 - 5.178	4.970
PCB-1016 Peak 4	5.221	5.218	5.219	5.218	5.219	5.216					5.025 - 5.425	5.219
PCB-1016 Peak 5	6.757	6.755	6.756	6.755	6.755	6.755					6.563 - 6.963	6.756
PCB-1260 Peak 1	8.452	8.451	8.453	8.451	8.453	8.452					8.259 - 8.659	8.452
PCB-1260 Peak 2	9.029	9.028	9.029	9.028	9.028	9.028					8.835 - 9.235	9.028
PCB-1260 Peak 3	9.593	9.594	9.593	9.593	9.593	9.592					9.399 - 9.799	9.593
PCB-1260 Peak 4	11.560	11.560	11.561	11.560	11.559	11.559					11.365 - 11.765	11.560
PCB-1260 Peak 5	12.868	12.868	12.867	12.866	12.867	12.866					12.669 - 13.069	12.867
Tetrachloro-m-xylene	2.898	2.896	2.895	2.895	2.896	2.895					2.703 - 3.103	2.896
DCB Decachlorobiphenyl	13.844	13.844	13.844	13.843	13.843	13.843					13.647 - 14.047	13.844

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4271

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%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								
PCB-1016 Peak 1	1370808 1012823	1225815 976854	1134532	1057432	Ave		1129711				13.0		20.0			
PCB-1016 Peak 2	3385467 2576847	3060628 2365156	2818338	2595473	Ave		2800318				13.0		20.0			
PCB-1016 Peak 3	4158804 4107353	4235354 4094544	4095260	4040861	Ave		4122029				1.6		20.0			
PCB-1016 Peak 4	1633437 1586583	1694757 1582401	1492830	1572362	Ave		1593728				4.2		20.0			
PCB-1016 Peak 5	1101755 938306	1051341 924022	1008373	947983	Ave		995297				7.1		20.0			
PCB-1260 Peak 1	3730033 3306411	3633151 3242445	3513232	3338528	Ave		3460633				5.7		20.0			
PCB-1260 Peak 2	3734221 3570936	3769838 3574883	3644652	3532899	Ave		3637905				2.6		20.0			
PCB-1260 Peak 3	5541981 5325641	5568904 5367053	5423940	5286843	Ave		5419060				2.1		20.0			
PCB-1260 Peak 4	2169321 2129786	2195377 2174943	1609823	2144083	Ave		2070556				11.0		20.0			
PCB-1260 Peak 5	1159626 1142967	1205555 1235047	1163830	1121863	Ave		1171481				3.6		20.0			
Tetrachloro-m-xylene	74176851 74865690	79764957 73981485	79966387	75042027	Ave		76299566				3.7		20.0			
DCB Decachlorobiphenyl	63073245 59682441	61422755 60095767	61975889	59619014	Ave		60978185				2.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4271

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.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
PCB-1016 Peak 1	Ave	68540419 1953707296	122581536	226906432	528716192	1012822848	50.0 2000	100	200	500	1000
PCB-1016 Peak 2	Ave	169273360 4730312416	306062843	563667614	1297736411	2576847200	50.0 2000	100	200	500	1000
PCB-1016 Peak 3	Ave	207940176 8189087104	423535424	819052032	2020430400	4107352768	50.0 2000	100	200	500	1000
PCB-1016 Peak 4	Ave	81671872 3164802656	169475680	298566038	786180800	1586582688	50.0 2000	100	200	500	1000
PCB-1016 Peak 5	Ave	55087754 1848044544	105134096	201674656	473991552	938305952	50.0 2000	100	200	500	1000
PCB-1260 Peak 1	Ave	186501632 6484890352	363315088	702646432	1669263872	3306410912	50.0 2000	100	200	500	1000
PCB-1260 Peak 2	Ave	186711072 7149765920	376983760	728930400	1766449440	3570936464	50.0 2000	100	200	500	1000
PCB-1260 Peak 3	Ave	277099056 1073410566	556890400	1084788064	2643421296	5325641232	50.0 2000	100	200	500	1000
PCB-1260 Peak 4	Ave	108466069 4349886288	219537744	321964544	1072041728	2129786272	50.0 2000	100	200	500	1000
PCB-1260 Peak 5	Ave	57981280 2470093024	120555488	232765936	560931328	1142967392	50.0 2000	100	200	500	1000
Tetrachloro-m-xylene	Ave	370884256 1479629702	797649568	1599327744	3752101372	7486569024	5.00 200	10.0	20.0	50.0	100
DCB Decachlorobiphenyl	Ave	315366223 1201915349	614227551	1239517788	2980950700	5968244128	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Lims ID:	STD1000	Client ID:	
Inject. Date:	08-Sep-2009 13:34:44	Dil. Factor:	1.0000
Sample Type:	ICRTAV, ICal & Average RT's	Calib Level:	5
Sample ID:	STD1000		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	48689	Lims Sample ID:	7
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:28	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:48:15
Reviewed By:	zuccalam	Date:	09-Sep-2009 10:33:48
Reviewed By:	weigelb	Date:	09-Sep-2009 10:54:36
Reviewed By:	zuccalam	Date:	10-Sep-2009 11:44:02
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:01
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:24
Reviewed By:	waltersg	Date:	14-Sep-2009 12:46:42
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:45
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:32:37
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:22
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:27

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						A
1	2.896	2.896	0.000	7486569024	98.1	A
2	2.698	2.698	0.000	2992791036	102.3	A
2 PCB-1016						
1	3.495	3.495	0.000	1012822848	896.5	
1	4.120	4.120	0.000	2576847200	920.2	
1	4.970	4.970	0.000	4107352768	996.4	
1	5.219	5.219	0.000	1586582688	995.5	
1	6.755	6.755	0.000	938305952	942.7	
		Average of Peak Amounts =			950.3	
2	3.474	3.474	0.000	447941024	939.6	
2	4.187	4.187	0.000	969745964	943.8	
2	5.012	5.012	0.000	2090088992	981.6	
2	5.259	5.259	0.000	805453184	953.3	
2	6.392	6.392	0.000	768967136	979.2	
		Average of Peak Amounts =			959.5	

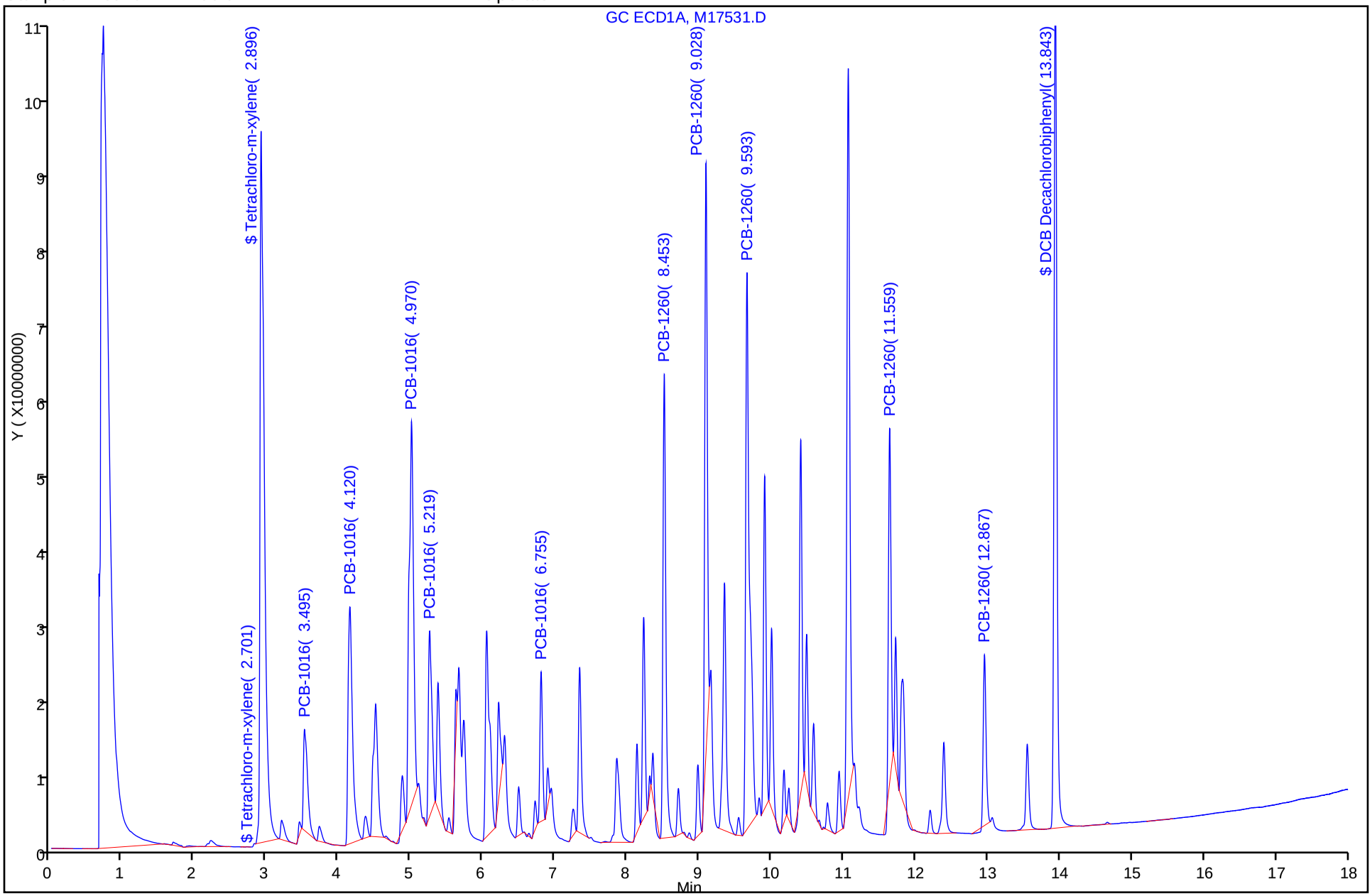
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.453	8.453	0.000	3306410912	955.4	
1	9.028	9.028	0.000	3570936464	981.6	
1	9.593	9.593	0.000	5325641232	982.8	
1	11.559	11.559	0.000	2129786272	1028.6	
1	12.867	12.867	0.000	1142967392	975.7	
		Average of Peak Amounts =			984.8	
2	8.696	8.696	0.000	1236100208	972.6	
2	9.153	9.153	0.000	1619409920	968.0	
2	10.057	10.057	0.000	979258048	977.3	
2	10.639	10.639	0.000	1107249872	982.4	
2	11.917	11.917	0.000	1518948960	1013.2	
		Average of Peak Amounts =			982.7	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.843	0.000	5968244128	97.9	
2	14.316	14.316	0.000	2483019008	101.1	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 21-Sep-2009 14:39:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Inj Date:	08-Sep-2009 13:34:44	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	7
Client ID:		Instrument:	Inst. M
Sample Info:	STD1000		
Sample Amount:	2.00 uL	Operator:	MZ



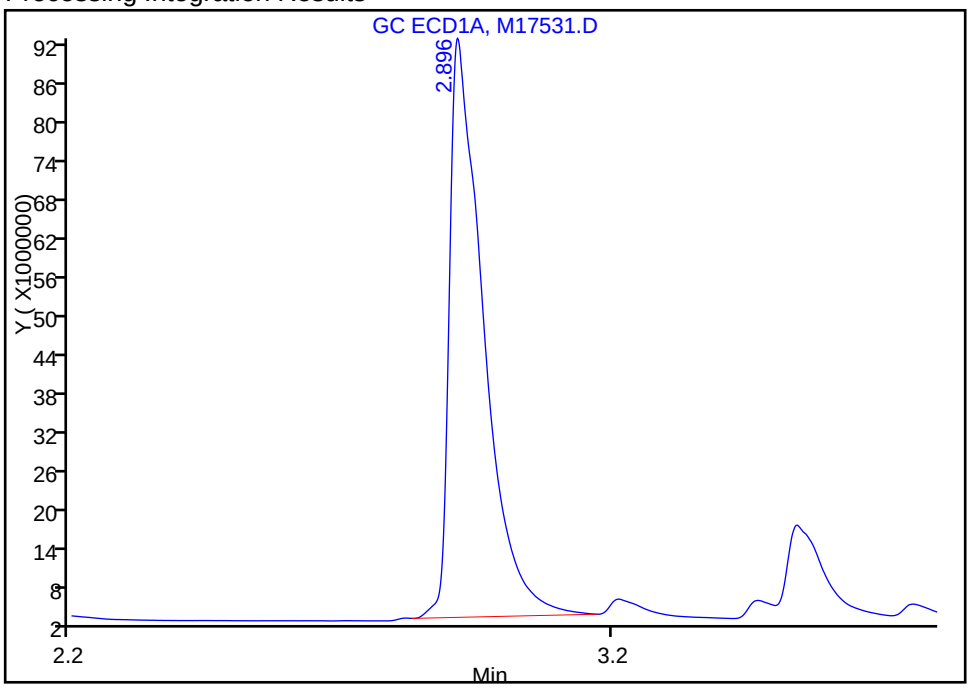
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Inj Date:	08-Sep-2009 13:34:44	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	7
Client ID:		Instrument:	Inst. M
Sample Info:	STD1000		
Sample Amount:	2.00 uL	Operator:	MZ

$ 11 Tetrachloro-m-xylene, Number: 1, Type: quant, RT: 2.90, Det: GC ECD1A

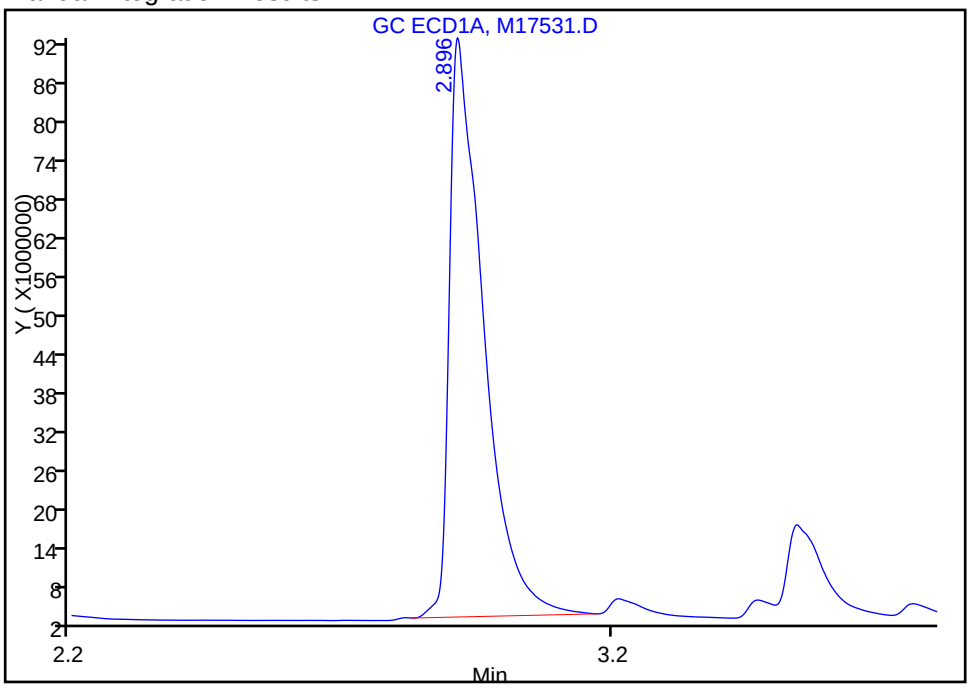
Processing Integration Results

RT: 2.90
Response: 7486569024
Amount: 97.753318



Manual Integration Results

RT: 2.90
Response: 7486569024
Amount: 98.120728



Reviewer: zuccalam, 21-Sep-2009 14:39:27
Audit Action: Assigned Compound ID
Audit Reason: Peak not integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D		
Lims ID:	STD50	Client ID:	
Inject. Date:	08-Sep-2009 13:56:12	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD50		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	48689	Lims Sample ID:	8
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:48	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:48:59
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:05
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:38
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:06
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:05
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:32:48
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:41
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:48

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						M
1	2.898	2.896	0.002	370884256	4.84	
2	2.696	2.698	-0.002	46908580	5.43	M
2 PCB-1016						
1	3.498	3.498	0.000	68540419	60.7	
1	4.120	4.120	0.000	169273360	60.4	
1	4.972	4.972	0.000	207940176	50.4	
1	5.221	5.221	0.000	81671872	51.2	
1	6.757	6.757	0.000	55087754	55.3	
		Average of Peak Amounts =			55.6	
2	3.475	3.475	0.000	27491990	57.7	
2	4.188	4.188	0.000	53139430	51.7	
2	5.014	5.014	0.000	116127424	54.5	
2	5.259	5.259	0.000	47921536	56.7	
2	6.393	6.393	0.000	40047616	51.0	
		Average of Peak Amounts =			54.3	

Report Date: 21-Sep-2009 14:39:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D

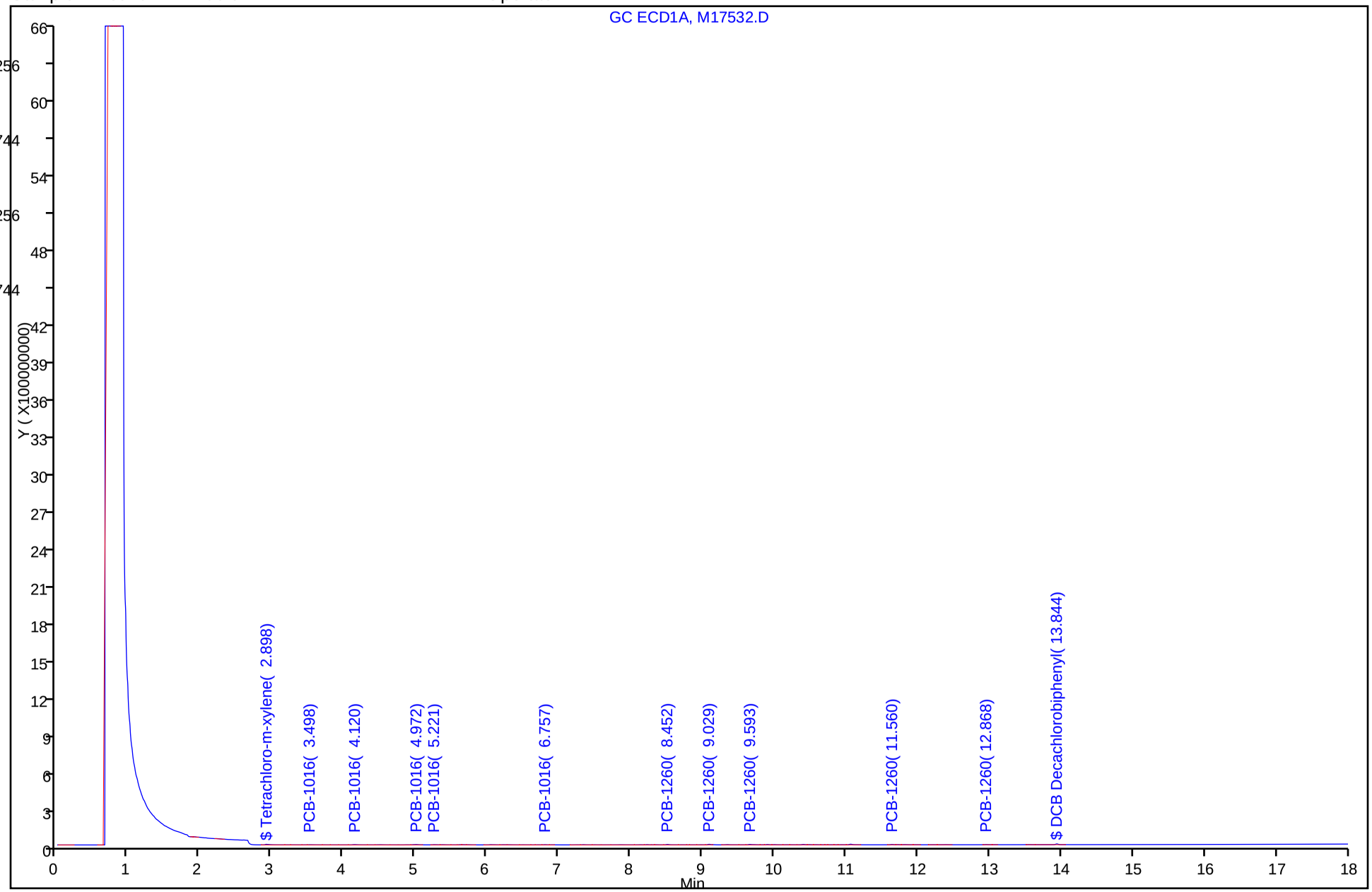
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.452	8.452	0.000	186501632	53.9	
1	9.029	9.029	0.000	186711072	51.3	
1	9.593	9.593	0.000	277099056	51.1	
1	11.560	11.560	0.000	108466069	52.4	
1	12.868	12.868	0.000	57981280	49.5	
		Average of Peak Amounts =			51.6	
2	8.695	8.695	0.000	68217017	53.7	
2	9.153	9.153	0.000	90825872	54.3	
2	10.057	10.057	0.000	54447072	54.3	
2	10.639	10.639	0.000	60830541	54.0	
2	11.918	11.918	0.000	77608870	51.8	
		Average of Peak Amounts =			53.6	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.844	0.000	315366223	5.17	
2	14.315	14.315	0.000	120463296	4.91	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 14:39:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D		
Inj Date:	08-Sep-2009 13:56:12	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	8
Client ID:		Instrument:	Inst. M
Sample Info:	STD50		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17533.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	08-Sep-2009 14:17:41	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD100		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	48689	Lims Sample ID:	9
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:55	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

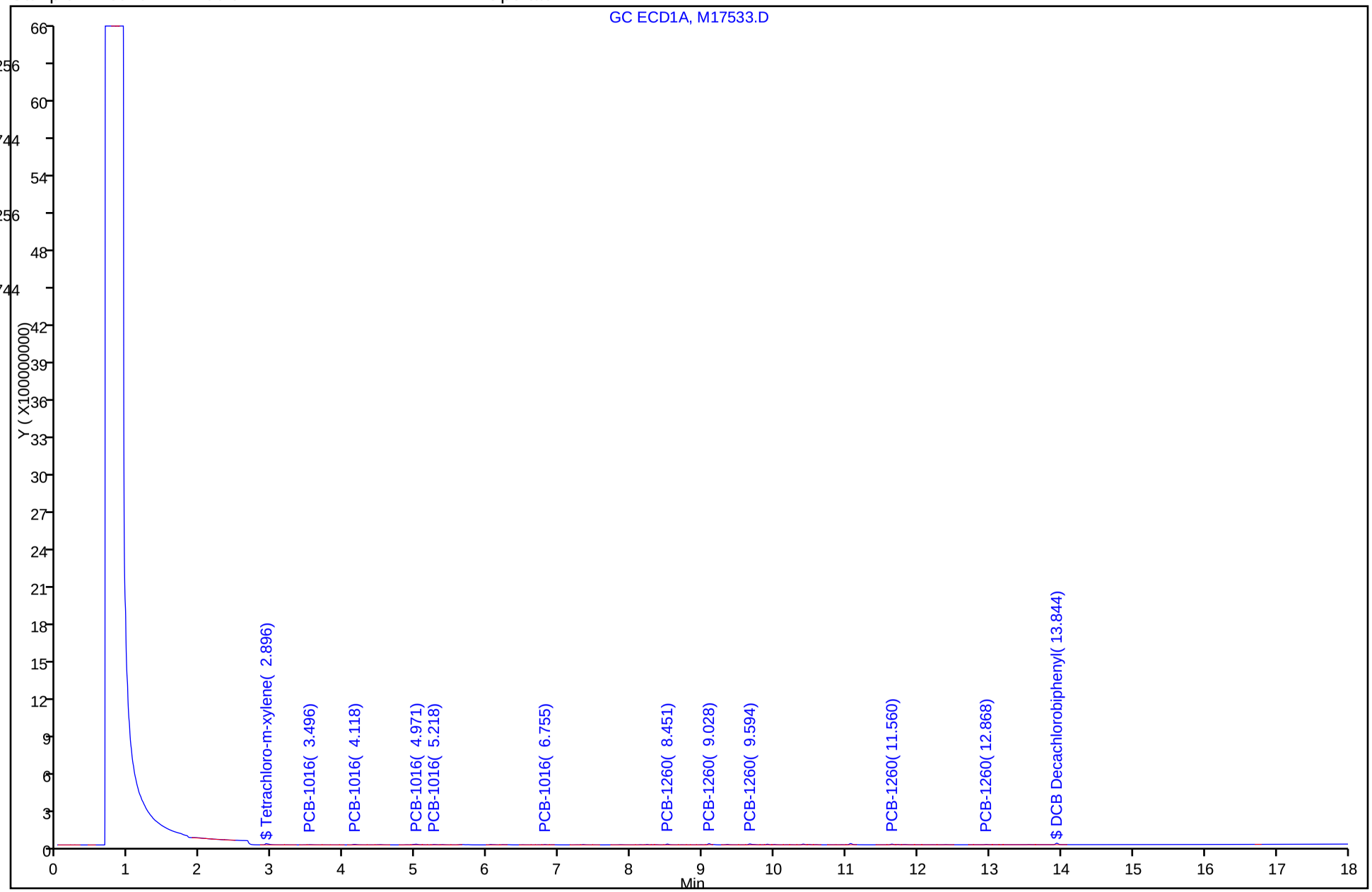
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:49:57
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:11
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:50
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:25
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:26
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:21:19
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:03
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:54
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:55

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.896	2.896	0.000	797649568	10.4	
2	2.697	2.698	-0.001	138720928	8.48	
2 PCB-1016						
1	3.496	3.502	-0.006	122581536	108.5	
1	4.118	4.126	-0.008	306062843	109.3	
1	4.971	4.978	-0.007	423535424	102.7	
1	5.218	5.225	-0.007	169475680	106.3	
1	6.755	6.763	-0.008	105134096	105.6	
		Average of Peak Amounts =			106.5	
2	3.475	3.471	0.004	49115525	103.0	
2	4.186	4.182	0.004	113359787	110.3	
2	5.013	5.006	0.007	222775424	104.6	
2	5.258	5.252	0.006	90062704	106.6	
2	6.392	6.388	0.004	85032320	108.3	
		Average of Peak Amounts =			106.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.451	8.459	-0.008	363315088	105.0	
1	9.028	9.035	-0.007	376983760	103.6	
1	9.594	9.599	-0.005	556890400	102.8	
1	11.560	11.565	-0.005	219537744	106.0	
1	12.868	12.869	-0.001	120555488	102.9	
		Average of Peak Amounts =			104.1	
2	8.695	8.689	0.006	134843840	106.1	
2	9.153	9.148	0.005	177720608	106.2	
2	10.056	10.051	0.005	104870544	104.7	
2	10.638	10.633	0.005	117005239	103.8	
2	11.919	11.913	0.006	152168569	101.5	
		Average of Peak Amounts =			104.5	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.847	-0.003	614227551	10.1	
2	14.316	14.310	0.006	251675306	10.2	

Report Date: 21-Sep-2009 14:39:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17533.D		
Inj Date:	08-Sep-2009 14:17:41	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	9
Client ID:		Instrument:	Inst. M
Sample Info:	STD100		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17534.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	08-Sep-2009 14:39:19	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD200		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	48689	Lims Sample ID:	10
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:40:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

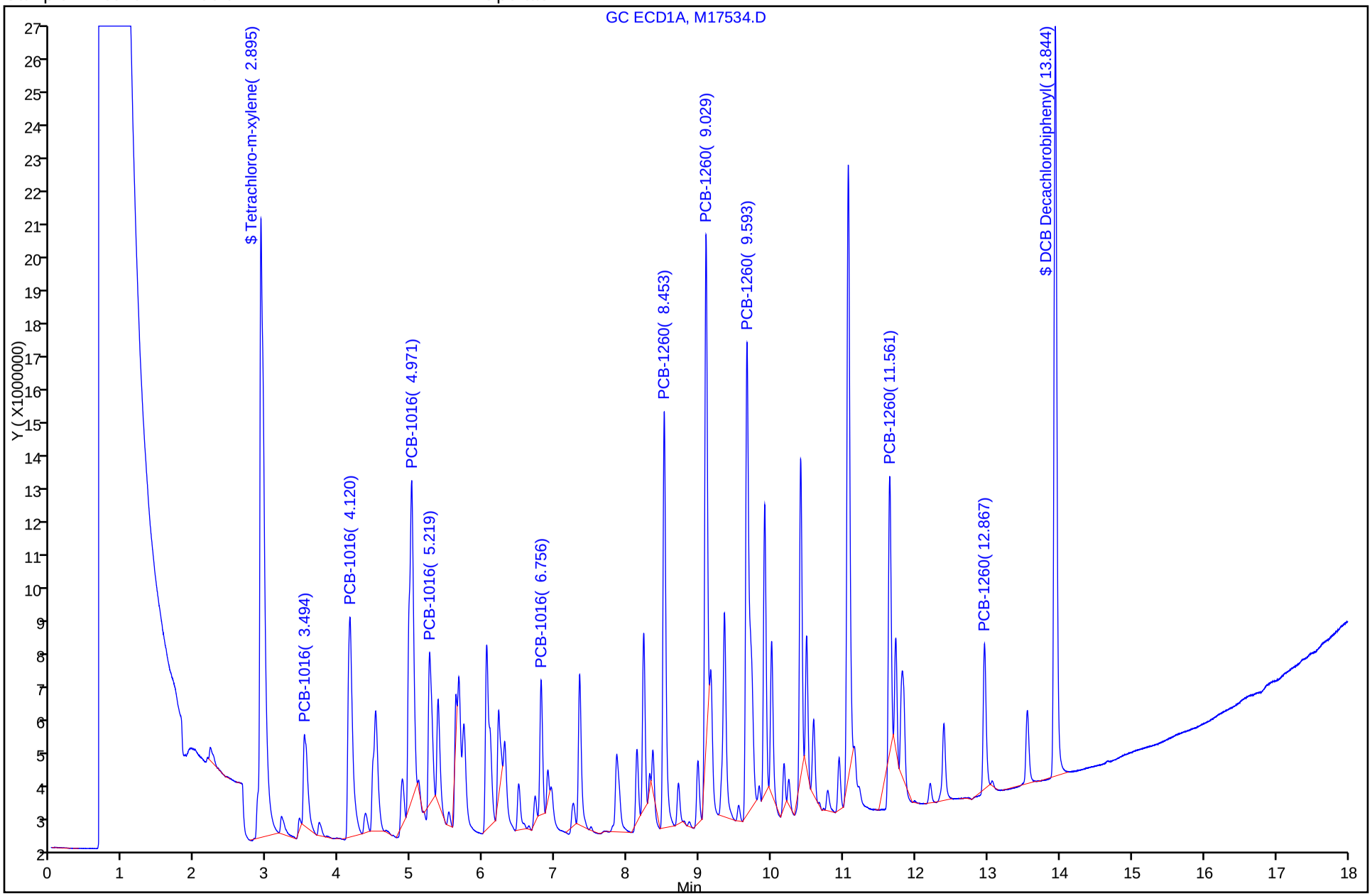
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:50:20
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:17
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:05
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:44
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:42
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:12
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:40:07

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.896	-0.001	1599327744	20.9	
2	2.697	2.698	-0.001	504522037	20.6	
2 PCB-1016						
1	3.494	3.502	-0.008	226906432	200.9	
1	4.120	4.126	-0.006	563667614	201.3	
1	4.971	4.978	-0.007	819052032	198.7	
1	5.219	5.225	-0.006	298566038	187.3	
1	6.756	6.763	-0.007	201674656	202.6	
		Average of Peak Amounts =			198.2	
2	3.475	3.471	0.004	99189250	208.1	
2	4.186	4.182	0.004	217343968	211.5	
2	5.013	5.006	0.007	420502720	197.5	
2	5.259	5.252	0.007	168668368	199.6	
2	6.394	6.388	0.006	160555744	204.4	
		Average of Peak Amounts =			204.2	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.453	8.459	-0.006	702646432	203.0	
1	9.029	9.035	-0.006	728930400	200.4	
1	9.593	9.599	-0.006	1084788064	200.2	
1	11.561	11.565	-0.004	321964544	155.5	
1	12.867	12.869	-0.002	232765936	198.7	
		Average of Peak Amounts =			191.6	
2	8.696	8.689	0.007	256345600	201.7	
2	9.153	9.148	0.005	336382496	201.1	
2	10.057	10.051	0.006	199642560	199.3	
2	10.639	10.633	0.006	224650016	199.3	
2	11.918	11.913	0.005	293148812	195.5	
		Average of Peak Amounts =			199.4	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.847	-0.003	1239517788	20.3	
2	14.315	14.310	0.005	495031664	20.2	

Report Date: 21-Sep-2009 14:40:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17534.D		
Inj Date:	08-Sep-2009 14:39:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	10
Client ID:		Instrument:	Inst. M
Sample Info:	STD200		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

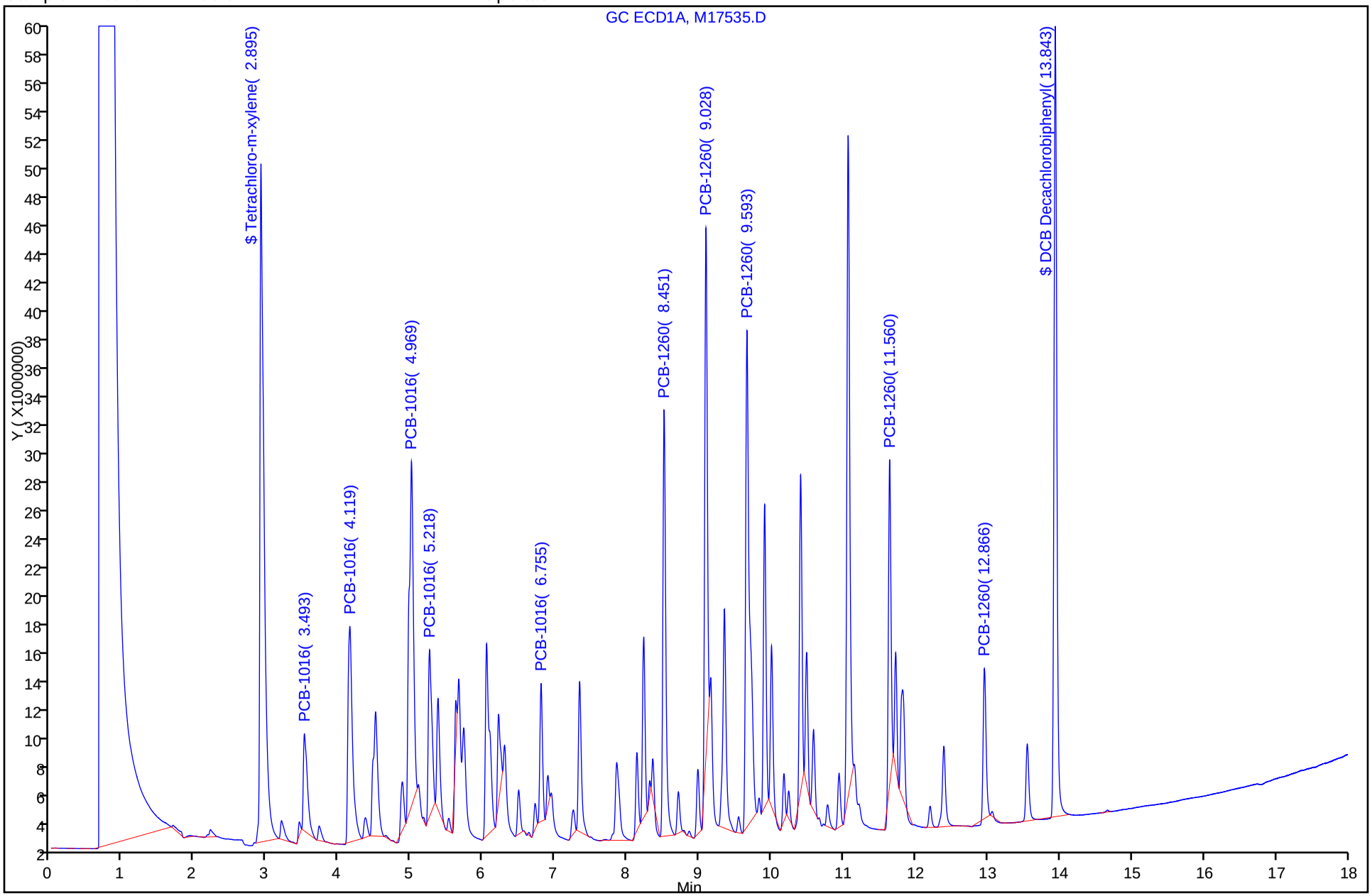
Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Lims ID:	STD500	Client ID:	
Inject. Date:	08-Sep-2009 15:00:48	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD500		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	11
Lims Batch ID:	48689	Lims Sample ID:	11
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:40:20	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:50:47
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:22
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:16
Reviewed By:	waltersg	Date:	14-Sep-2009 12:48:07
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:12:03
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:23
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:40:45

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.896	-0.001	3752101372	49.0	
2	2.697	2.698	-0.001	1451266720	52.1	
2 PCB-1016						
1	3.493	3.502	-0.009	528716192	468.0	
1	4.119	4.126	-0.007	1297736411	463.4	
1	4.969	4.978	-0.009	2020430400	490.2	
1	5.218	5.225	-0.007	786180800	493.3	
1	6.755	6.763	-0.008	473991552	476.2	
		Average of Peak Amounts =			478.2	
2	3.474	3.471	0.003	228486848	479.3	
2	4.186	4.182	0.004	492943945	479.8	
2	5.011	5.006	0.005	1008722976	473.7	
2	5.257	5.252	0.005	393247072	465.5	
2	6.393	6.388	0.005	375007104	477.5	
		Average of Peak Amounts =			475.2	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.451	8.459	-0.008	1669263872	482.4	
1	9.028	9.035	-0.007	1766449440	485.6	
1	9.593	9.599	-0.006	2643421296	487.8	
1	11.560	11.565	-0.005	1072041728	517.8	
1	12.866	12.869	-0.003	560931328	478.8	
		Average of Peak Amounts =			490.5	
2	8.695	8.689	0.006	604181776	475.4	
2	9.153	9.148	0.005	793159520	474.1	
2	10.055	10.051	0.004	475191488	474.3	
2	10.638	10.633	0.005	537388256	476.8	
2	11.918	11.913	0.005	722311242	481.8	
		Average of Peak Amounts =			476.5	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.847	-0.004	2980950700	48.9	
2	14.315	14.310	0.005	1207033530	49.1	

Report Date: 21-Sep-2009 14:40:46 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Inj Date:	08-Sep-2009 15:00:48	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	11
Client ID:		Instrument:	Inst. M
Sample Info:	STD500		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Lims ID:	STD2000	Client ID:	
Inject. Date:	08-Sep-2009 15:22:19	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	6
Sample ID:	STD2000		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	48689	Lims Sample ID:	12
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:43:04	Calib Date:	08-Sep-2009 15:00:48
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:51:37
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:28
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:37
Reviewed By:	waltersg	Date:	14-Sep-2009 12:48:31
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:13:09
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:20:54
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:31:36
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:43:18
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:45:40

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						A
1	2.895	2.903	-0.008	14796297024	193.9	A
2	2.698	2.696	0.002	5857946272	196.6	A
2 PCB-1016						
1	3.493	3.502	-0.009	1953707296	1729.4	
1	4.119	4.126	-0.007	4730312416	1689.2	
1	4.968	4.978	-0.010	8189087104	1986.7	
1	5.216	5.225	-0.009	3164802656	1985.8	
1	6.755	6.763	-0.008	1848044544	1856.8	
		Average of Peak Amounts =			1849.6	
2	3.475	3.471	0.004	837023712	1755.8	
2	4.185	4.182	0.003	1852113568	1802.6	
2	5.011	5.006	0.005	4030901680	1893.1	
2	5.257	5.252	0.005	1549728992	1834.3	
2	6.392	6.388	0.004	1477717376	1881.7	
		Average of Peak Amounts =			1833.5	

Report Date: 21-Sep-2009 14:45:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						5
1	8.452	8.459	-0.007	6484890352	1873.9	5
1	9.028	9.035	-0.007	7149765920	1965.4	
1	9.592	9.599	-0.007	10734105664	1980.8	
1	11.559	11.565	-0.006	4349886288	2100.8	
1	12.866	12.869	-0.003	2470093024	2108.5	
		Average of Peak Amounts =			2005.9	
2	8.694	8.689	0.005	2373375232	1867.4	5
2	9.152	9.148	0.004	3113332592	1860.9	
2	10.056	10.051	0.005	1892443104	1888.8	
2	10.637	10.633	0.004	2141657824	1900.1	
2	11.918	11.913	0.005	2982840704	1989.8	
		Average of Peak Amounts =			1901.4	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.847	-0.004	12019153497	197.1	
2	14.315	14.310	0.005	4874435776	198.5	

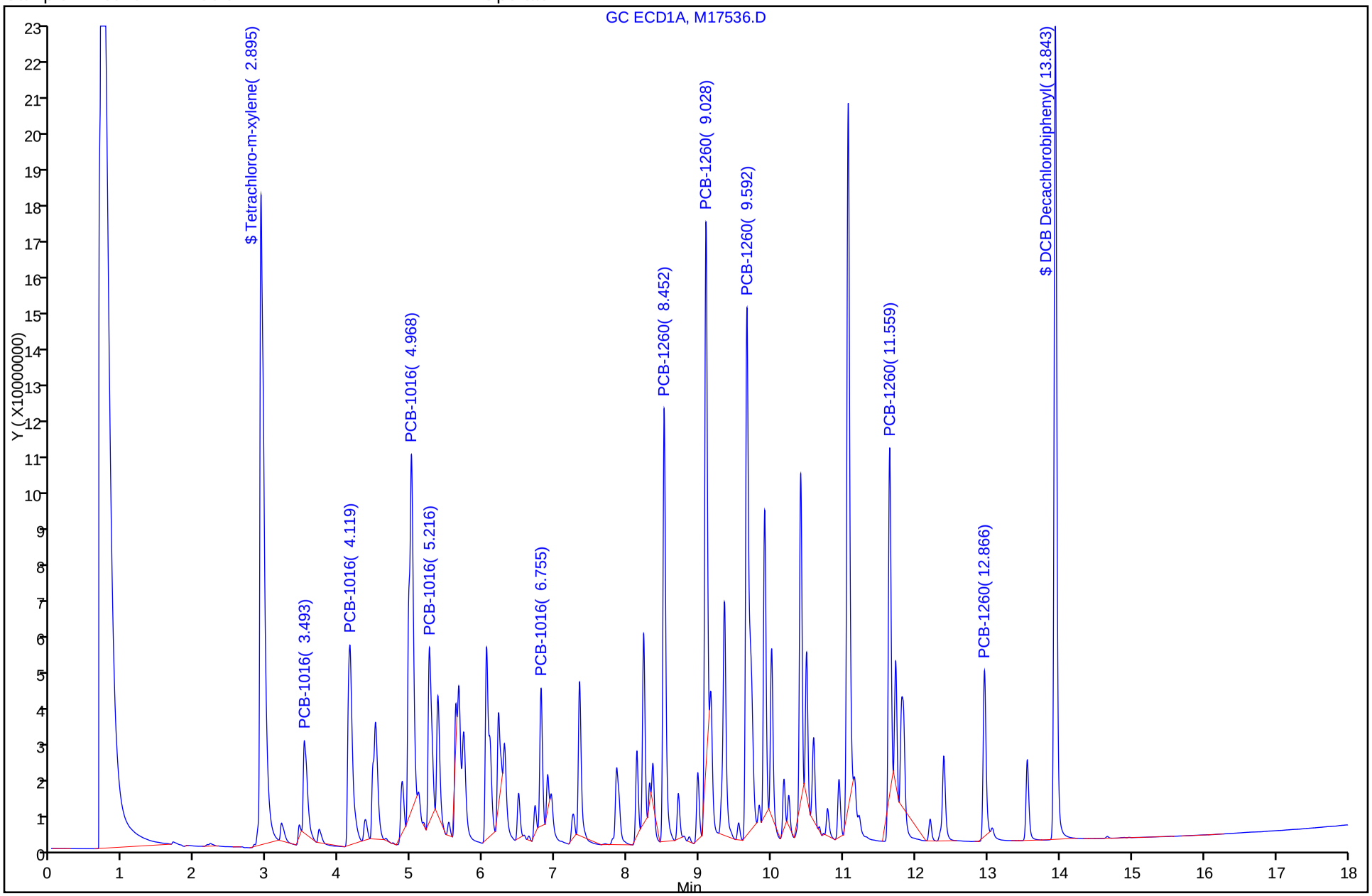
QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
A - User Assigned ID

Report Date: 21-Sep-2009 14:45:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Inj Date:	08-Sep-2009 15:22:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	12
Client ID:		Instrument:	Inst. M
Sample Info:	STD2000		
Sample Amount:	2.00 uL	Operator:	MZ



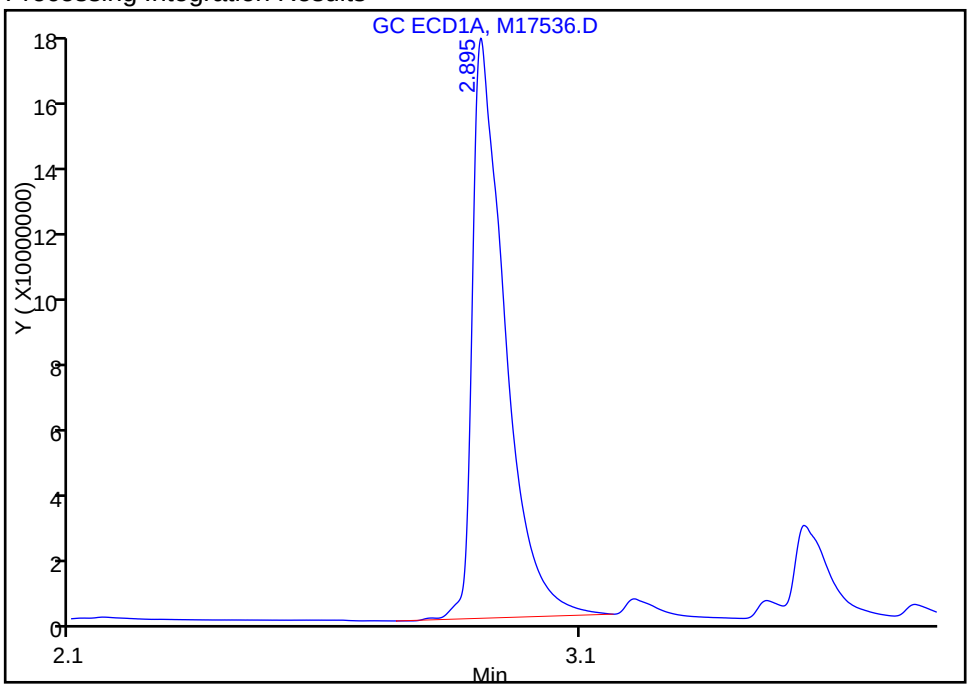
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Inj Date:	08-Sep-2009 15:22:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	12
Client ID:		Instrument:	Inst. M
Sample Info:	STD2000		
Sample Amount:	2.00 uL	Operator:	MZ

$ 11 Tetrachloro-m-xylene, Number: 1, Type: quant, RT: 2.90, Det: GC ECD1A

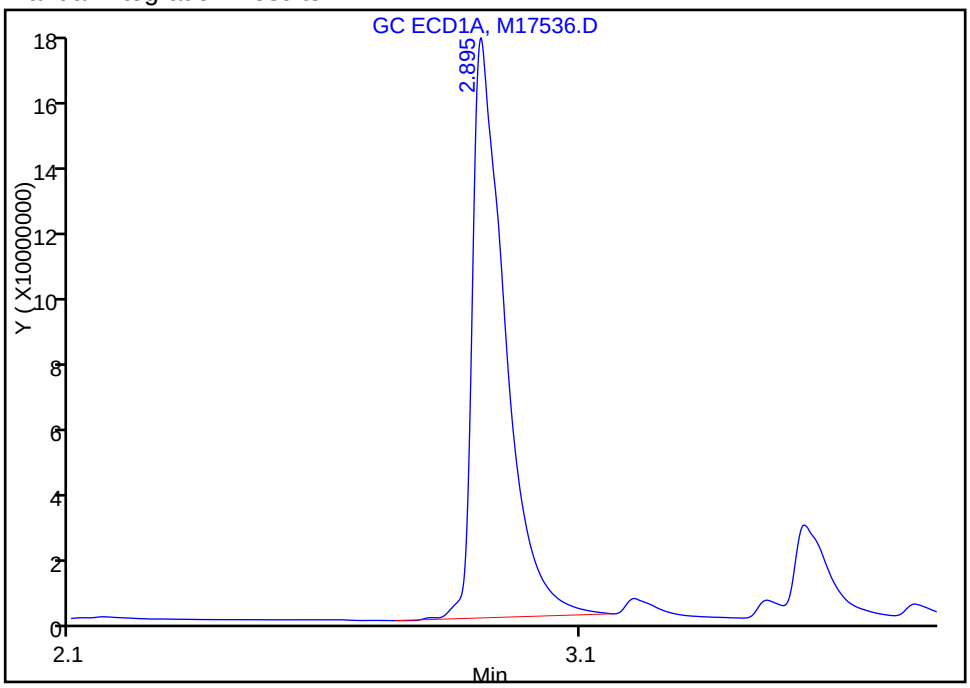
Processing Integration Results

RT: 2.90
Response: 14796297024
Amount: 6.063534



Manual Integration Results

RT: 2.90
Response: 14796297024
Amount: 193.9237



Reviewer: zuccalam, 21-Sep-2009 14:31:36
Audit Action: Assigned Compound ID
Audit Reason:

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4272

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	3.475	3.475	3.475	3.474	3.474	3.475					3.271 - 3.671	3.475
PCB-1016 Peak 2	4.188	4.186	4.186	4.186	4.187	4.185					3.982 - 4.382	4.186
PCB-1016 Peak 3	5.014	5.013	5.013	5.011	5.012	5.011					4.806 - 5.206	5.012
PCB-1016 Peak 4	5.259	5.258	5.259	5.257	5.259	5.257					5.052 - 5.452	5.258
PCB-1016 Peak 5	6.393	6.392	6.394	6.393	6.392	6.392					6.188 - 6.588	6.393
PCB-1260 Peak 1	8.695	8.695	8.696	8.695	8.696	8.694					8.489 - 8.889	8.695
PCB-1260 Peak 2	9.153	9.153	9.153	9.153	9.153	9.152					8.948 - 9.348	9.153
PCB-1260 Peak 3	10.057	10.056	10.057	10.055	10.057	10.056					9.851 - 10.251	10.056
PCB-1260 Peak 4	10.639	10.638	10.639	10.638	10.639	10.637					10.433 - 10.833	10.638
PCB-1260 Peak 5	11.918	11.919	11.918	11.918	11.917	11.918					11.713 - 12.113	11.918
Tetrachloro-m-xylene	2.696	2.697	2.697	2.697	2.698	2.698					2.498 - 2.898	2.697
DCB Decachlorobiphenyl	14.315	14.316	14.315	14.315	14.316	14.315					14.110 - 14.510	14.315

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4272

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.D

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%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								
PCB-1016 Peak 1	549840 447941	491155 418512	495946	456974	Ave		476728				9.6		20.0			
PCB-1016 Peak 2	1062789 969746	1133598 926057	1086720	985888	Ave		1027466				7.7		20.0			
PCB-1016 Peak 3	2322548 2090089	2227754 2015451	2102514	2017446	Ave		2129300				5.7		20.0			
PCB-1016 Peak 4	958431 805453	900627 774864	843342	786494	Ave		844869				8.5		20.0			
PCB-1016 Peak 5	800952 768967	850323 738859	802779	750014	Ave		785316				5.2		20.0			
PCB-1260 Peak 1	1364340 1236100	1348438 1186688	1281728	1208364	Ave		1270943				5.8		20.0			
PCB-1260 Peak 2	1816517 1619410	1777206 1556666	1681912	1586319	Ave		1673005				6.3		20.0			
PCB-1260 Peak 3	1088941 979258	1048705 946222	998213	950383	Ave		1001954				5.7		20.0			
PCB-1260 Peak 4	1216611 1107250	1170052 1070829	1123250	1074777	Ave		1127128				5.0		20.0			
PCB-1260 Peak 5	1552177 1518949	1521686 1491420	1465744	1444622	Ave		1499100				2.6		20.0			
Tetrachloro-m-xylene	9381716 29927910	13872093 29289731	25226102	29025334	Lin1	118642210	30400023							0.9980		0.9900
DCB Decachlorobiphenyl	24092659 24830190	25167531 24372179	24751583	24140671	Ave		24559135				1.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24582-1 Analy Batch No.: 48689

SDG No.: OCRI-15

Instrument ID: Inst. M GC Column: RTX-CLPest2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 13:34 Calibration End Date: 09/08/2009 15:22 Calibration ID: 4272

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 360-48689/8	M17532.D
Level 2	STD100 360-48689/9	M17533.D
Level 3	STD200 360-48689/10	M17534.D
Level 4	STD500 360-48689/11	M17535.D
Level 5	STD1000 360-48689/7	M17531.D
Level 6	STD2000 360-48689/12	M17536.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
PCB-1016 Peak 1	Ave	27491990 837023712	49115525	99189250	228486848	447941024	50.0 2000	100	200	500	1000
PCB-1016 Peak 2	Ave	53139430 1852113568	113359787	217343968	492943945	969745964	50.0 2000	100	200	500	1000
PCB-1016 Peak 3	Ave	116127424 4030901680	222775424	420502720	1008722976	2090088992	50.0 2000	100	200	500	1000
PCB-1016 Peak 4	Ave	47921536 1549728992	90062704	168668368	393247072	805453184	50.0 2000	100	200	500	1000
PCB-1016 Peak 5	Ave	40047616 1477717376	85032320	160555744	375007104	768967136	50.0 2000	100	200	500	1000
PCB-1260 Peak 1	Ave	68217017 2373375232	134843840	256345600	604181776	1236100208	50.0 2000	100	200	500	1000
PCB-1260 Peak 2	Ave	90825872 3113332592	177720608	336382496	793159520	1619409920	50.0 2000	100	200	500	1000
PCB-1260 Peak 3	Ave	54447072 1892443104	104870544	199642560	475191488	979258048	50.0 2000	100	200	500	1000
PCB-1260 Peak 4	Ave	60830541 2141657824	117005239	224650016	537388256	1107249872	50.0 2000	100	200	500	1000
PCB-1260 Peak 5	Ave	77608870 2982840704	152168569	293148812	722311242	1518948960	50.0 2000	100	200	500	1000
Tetrachloro-m-xylene	Lin1	46908580 5857946272	138720928	504522037	1451266720	2992791036	5.00 200	10.0	20.0	50.0	100
DCB Decachlorobiphenyl	Ave	120463296 4874435776	251675306	495031664	1207033530	2483019008	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Lims ID:	STD1000	Client ID:	
Inject. Date:	08-Sep-2009 13:34:44	Dil. Factor:	1.0000
Sample Type:	ICRTAV, ICal & Average RT's	Calib Level:	5
Sample ID:	STD1000		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	48689	Lims Sample ID:	7
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:28	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:48:15
Reviewed By:	zuccalam	Date:	09-Sep-2009 10:33:48
Reviewed By:	weigelb	Date:	09-Sep-2009 10:54:36
Reviewed By:	zuccalam	Date:	10-Sep-2009 11:44:02
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:01
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:24
Reviewed By:	waltersg	Date:	14-Sep-2009 12:46:42
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:10:45
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:32:37
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:22
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:27

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						A
1	2.896	2.896	0.000	7486569024	98.1	A
2	2.698	2.698	0.000	2992791036	102.3	A
2 PCB-1016						
1	3.495	3.495	0.000	1012822848	896.5	
1	4.120	4.120	0.000	2576847200	920.2	
1	4.970	4.970	0.000	4107352768	996.4	
1	5.219	5.219	0.000	1586582688	995.5	
1	6.755	6.755	0.000	938305952	942.7	
		Average of Peak Amounts =			950.3	
2	3.474	3.474	0.000	447941024	939.6	
2	4.187	4.187	0.000	969745964	943.8	
2	5.012	5.012	0.000	2090088992	981.6	
2	5.259	5.259	0.000	805453184	953.3	
2	6.392	6.392	0.000	768967136	979.2	
		Average of Peak Amounts =			959.5	

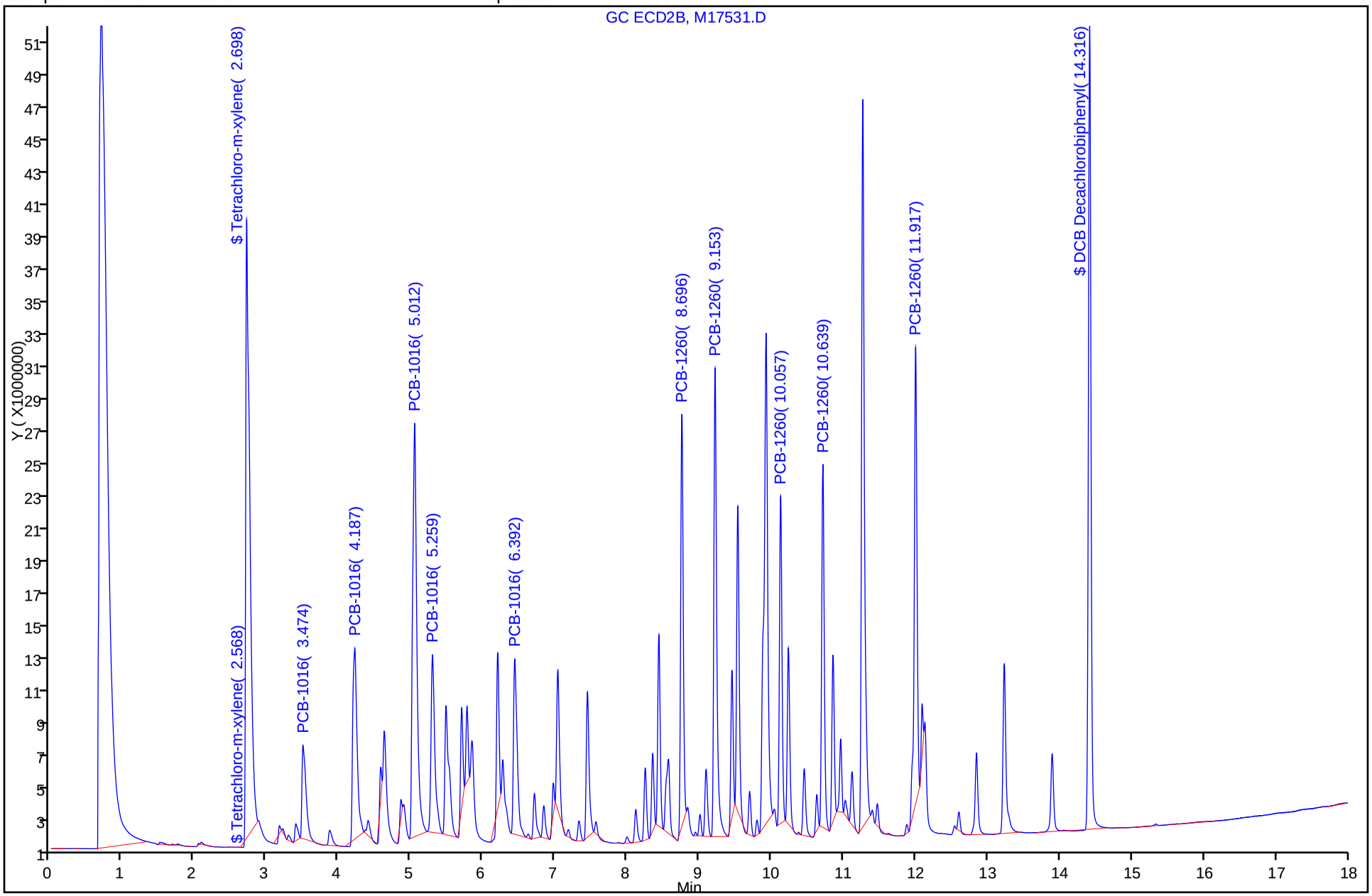
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.453	8.453	0.000	3306410912	955.4	
1	9.028	9.028	0.000	3570936464	981.6	
1	9.593	9.593	0.000	5325641232	982.8	
1	11.559	11.559	0.000	2129786272	1028.6	
1	12.867	12.867	0.000	1142967392	975.7	
		Average of Peak Amounts =			984.8	
2	8.696	8.696	0.000	1236100208	972.6	
2	9.153	9.153	0.000	1619409920	968.0	
2	10.057	10.057	0.000	979258048	977.3	
2	10.639	10.639	0.000	1107249872	982.4	
2	11.917	11.917	0.000	1518948960	1013.2	
		Average of Peak Amounts =			982.7	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.843	0.000	5968244128	97.9	
2	14.316	14.316	0.000	2483019008	101.1	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 21-Sep-2009 14:39:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Inj Date:	08-Sep-2009 13:34:44	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	7
Client ID:		Instrument:	Inst. M
Sample Info:	STD1000		
Sample Amount:	2.00 uL	Operator:	MZ



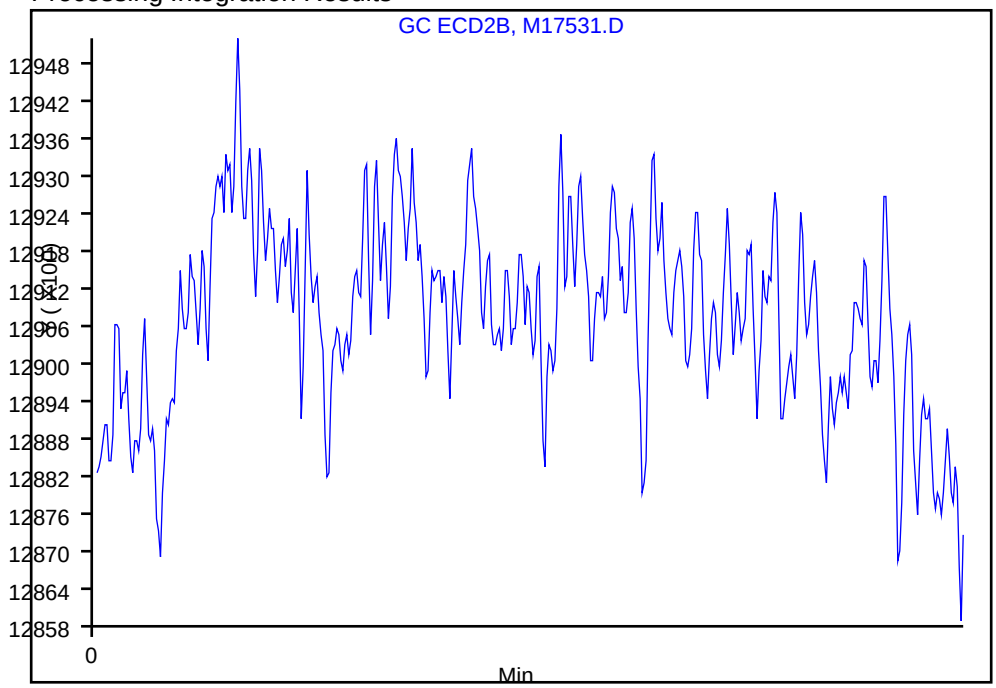
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17531.D		
Inj Date:	08-Sep-2009 13:34:44	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	7
Client ID:		Instrument:	Inst. M
Sample Info:	STD1000		
Sample Amount:	2.00 uL	Operator:	MZ

$ 11 Tetrachloro-m-xylene, Number: 2, Type: quant, RT: 2.70, Det: GC ECD2B

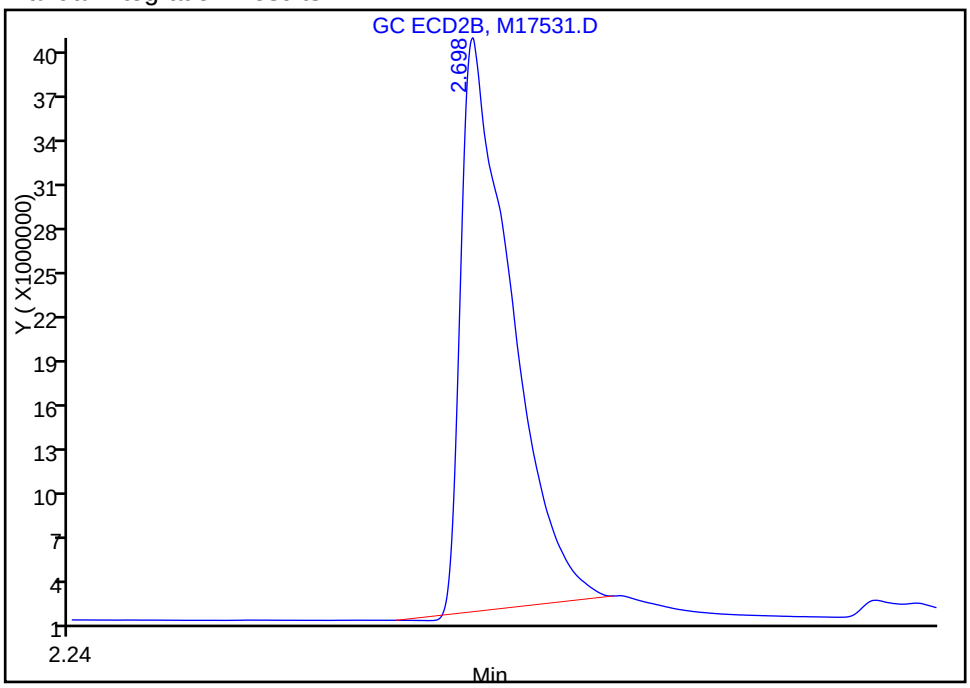
Processing Integration Results

RT: 0.00
Response: 0
Amount: 0



Manual Integration Results

RT: 2.70
Response: 2992791036
Amount: 102.3497



Reviewer: zuccalam, 21-Sep-2009 14:39:27
Audit Action: Assigned Compound ID
Audit Reason: Peak not integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D		
Lims ID:	STD50	Client ID:	
Inject. Date:	08-Sep-2009 13:56:12	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD50		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	48689	Lims Sample ID:	8
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:48	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:48:59
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:05
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:38
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:06
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:05
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:32:48
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:41
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:48

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						M
1	2.898	2.896	0.002	370884256	4.84	
2	2.696	2.698	-0.002	46908580	5.43	M
2 PCB-1016						
1	3.498	3.498	0.000	68540419	60.7	
1	4.120	4.120	0.000	169273360	60.4	
1	4.972	4.972	0.000	207940176	50.4	
1	5.221	5.221	0.000	81671872	51.2	
1	6.757	6.757	0.000	55087754	55.3	
		Average of Peak Amounts =			55.6	
2	3.475	3.475	0.000	27491990	57.7	
2	4.188	4.188	0.000	53139430	51.7	
2	5.014	5.014	0.000	116127424	54.5	
2	5.259	5.259	0.000	47921536	56.7	
2	6.393	6.393	0.000	40047616	51.0	
		Average of Peak Amounts =			54.3	

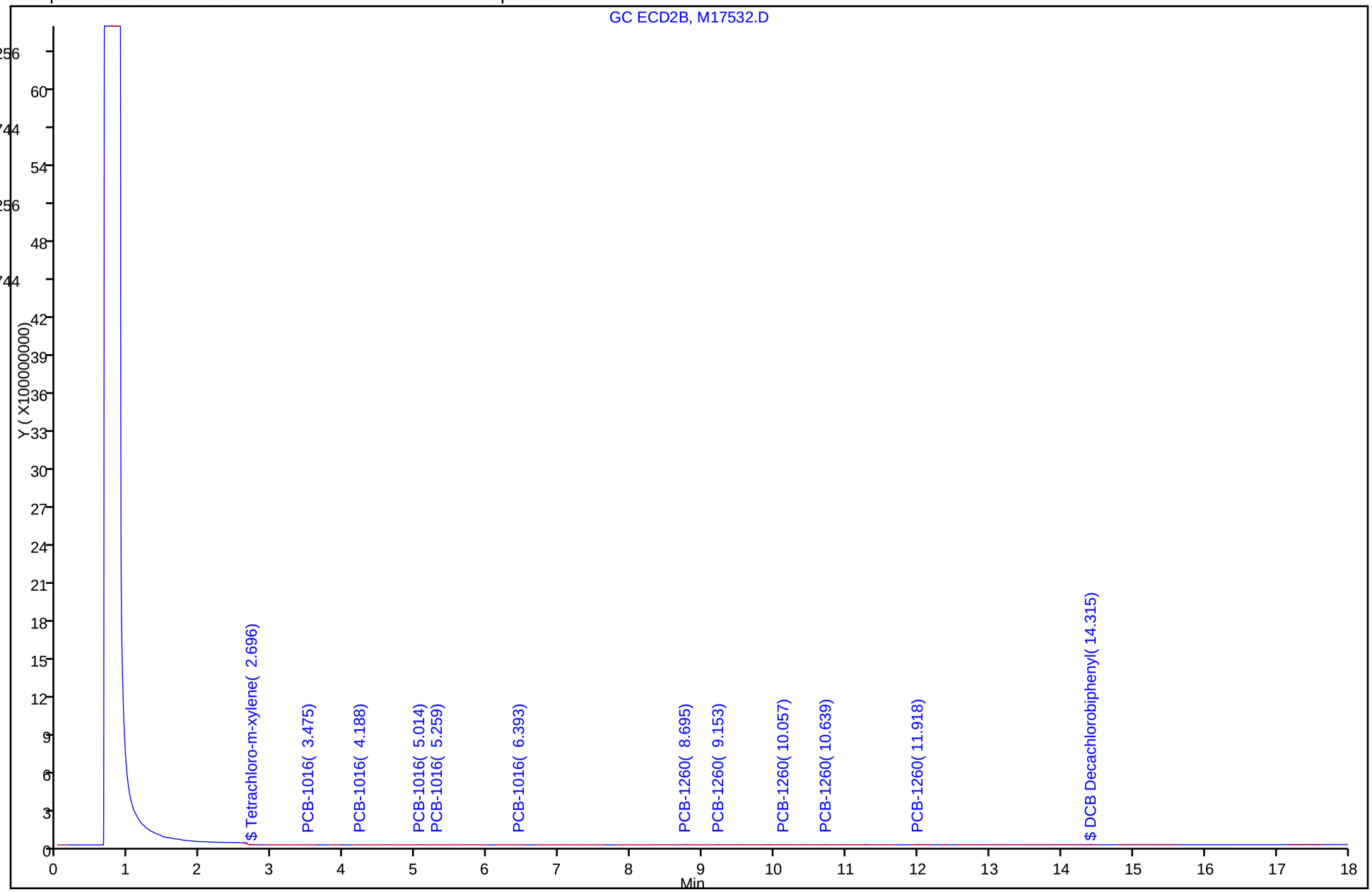
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.452	8.452	0.000	186501632	53.9	
1	9.029	9.029	0.000	186711072	51.3	
1	9.593	9.593	0.000	277099056	51.1	
1	11.560	11.560	0.000	108466069	52.4	
1	12.868	12.868	0.000	57981280	49.5	
		Average of Peak Amounts =			51.6	
2	8.695	8.695	0.000	68217017	53.7	
2	9.153	9.153	0.000	90825872	54.3	
2	10.057	10.057	0.000	54447072	54.3	
2	10.639	10.639	0.000	60830541	54.0	
2	11.918	11.918	0.000	77608870	51.8	
		Average of Peak Amounts =			53.6	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.844	0.000	315366223	5.17	
2	14.315	14.315	0.000	120463296	4.91	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 14:39:50 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D		
Inj Date:	08-Sep-2009 13:56:12	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	8
Client ID:		Instrument:	Inst. M
Sample Info:	STD50		
Sample Amount:	2.00 uL	Operator:	MZ



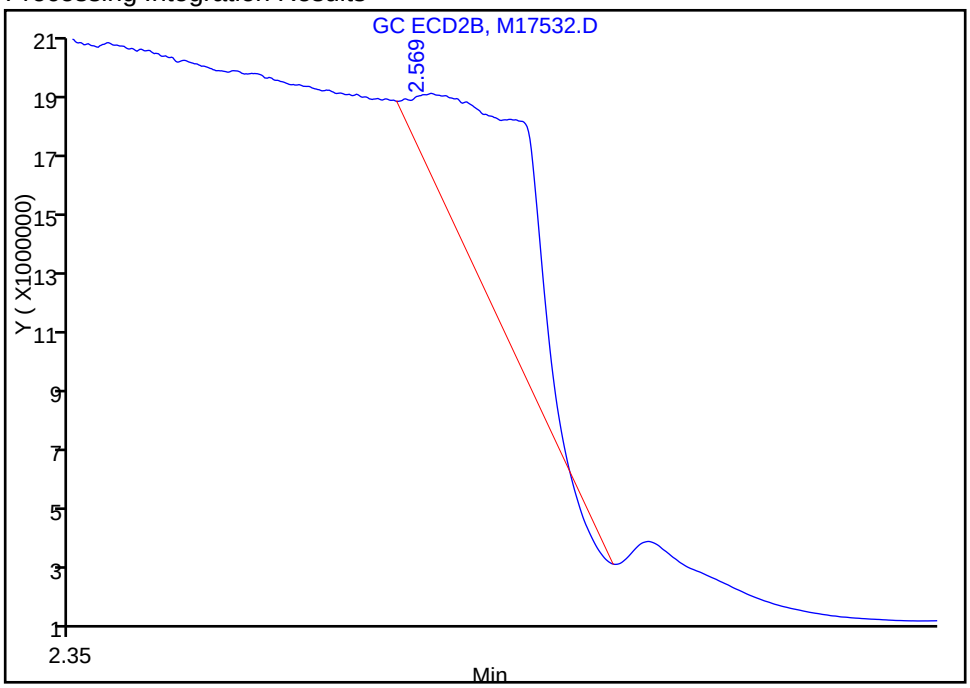
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17532.D		
Inj Date:	08-Sep-2009 13:56:12	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	8
Client ID:		Instrument:	Inst. M
Sample Info:	STD50		
Sample Amount:	2.00 uL	Operator:	MZ

$ 11 Tetrachloro-m-xylene, Number: 2, Type: quant, RT: 2.70, Det: GC ECD2B

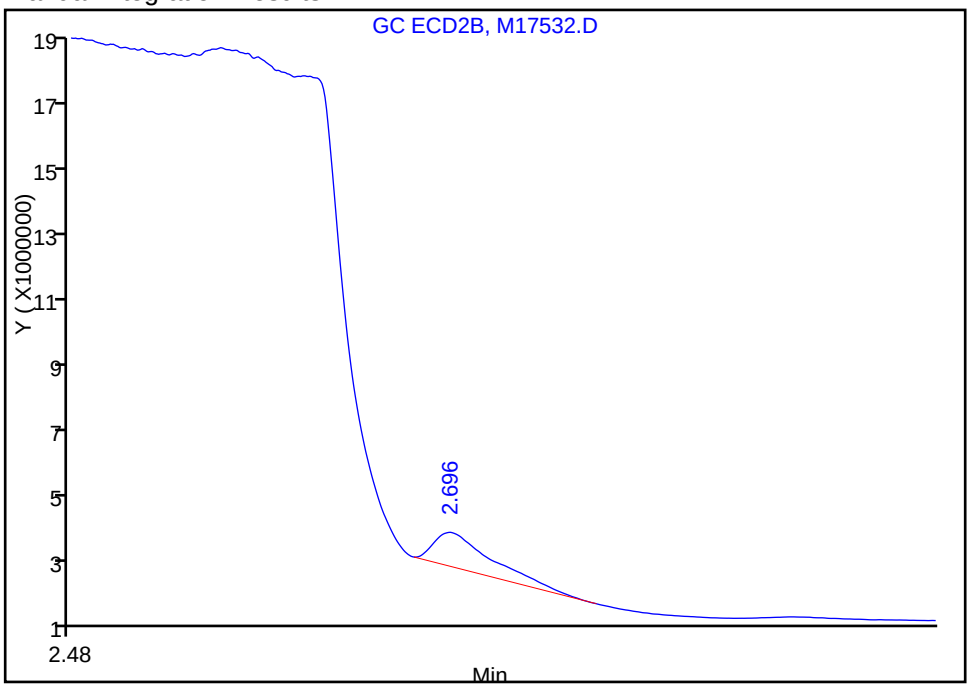
Processing Integration Results

RT: 2.57
Response: 453224704
Amount: 14.556614



Manual Integration Results

RT: 2.70
Response: 46908580
Amount: 5.434734



Reviewer: zuccalam, 09-Sep-2009 08:48:59
Audit Action: Manually Integrated
Audit Reason: Wrong Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17533.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	08-Sep-2009 14:17:41	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD100		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	48689	Lims Sample ID:	9
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:39:55	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

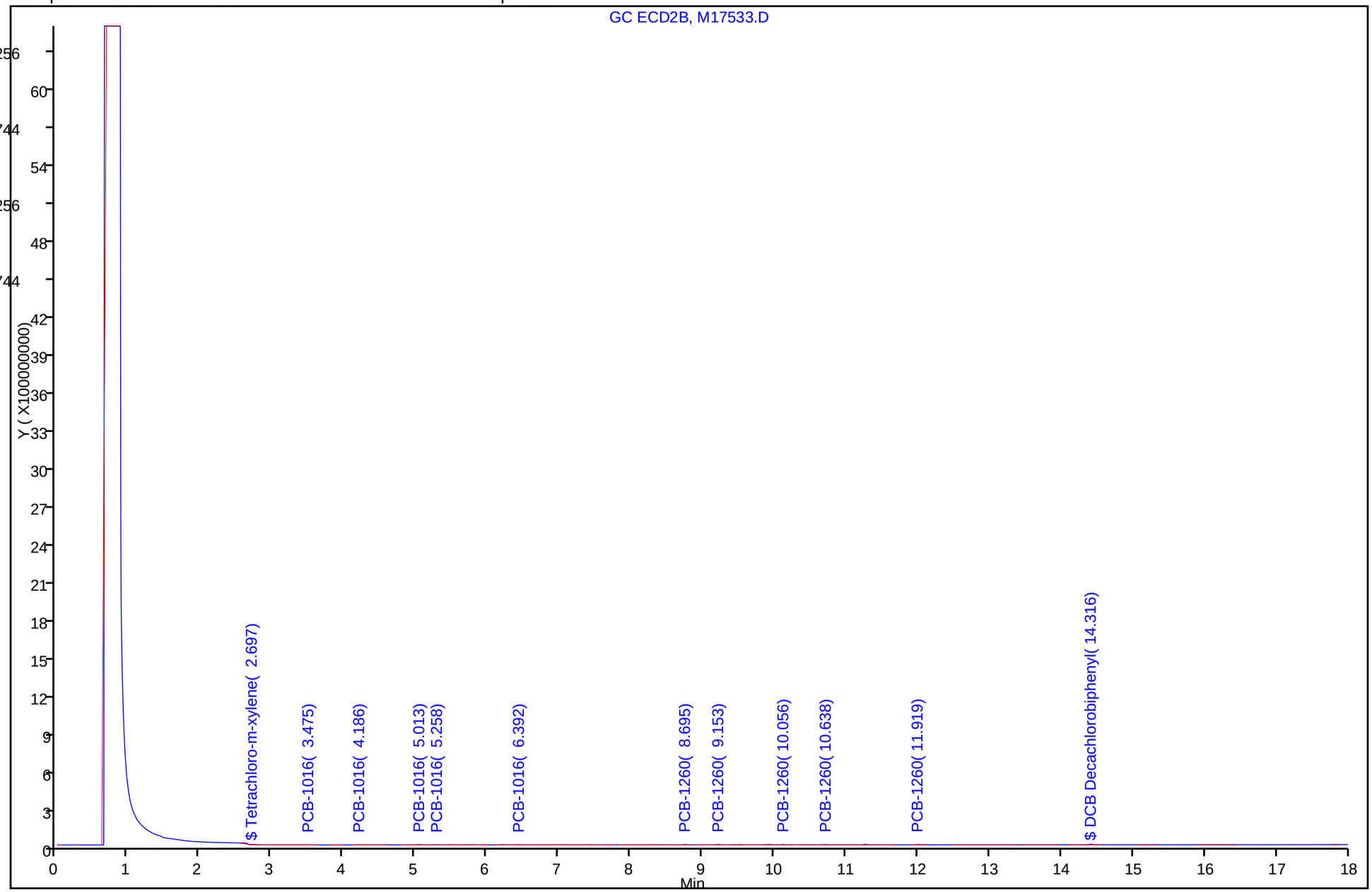
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:49:57
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:11
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:05:50
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:25
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:26
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:21:19
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:03
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:35:54
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:39:55

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.896	2.896	0.000	797649568	10.4	
2	2.697	2.698	-0.001	138720928	8.48	
2 PCB-1016						
1	3.496	3.502	-0.006	122581536	108.5	
1	4.118	4.126	-0.008	306062843	109.3	
1	4.971	4.978	-0.007	423535424	102.7	
1	5.218	5.225	-0.007	169475680	106.3	
1	6.755	6.763	-0.008	105134096	105.6	
		Average of Peak Amounts =			106.5	
2	3.475	3.471	0.004	49115525	103.0	
2	4.186	4.182	0.004	113359787	110.3	
2	5.013	5.006	0.007	222775424	104.6	
2	5.258	5.252	0.006	90062704	106.6	
2	6.392	6.388	0.004	85032320	108.3	
		Average of Peak Amounts =			106.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.451	8.459	-0.008	363315088	105.0	
1	9.028	9.035	-0.007	376983760	103.6	
1	9.594	9.599	-0.005	556890400	102.8	
1	11.560	11.565	-0.005	219537744	106.0	
1	12.868	12.869	-0.001	120555488	102.9	
		Average of Peak Amounts =			104.1	
2	8.695	8.689	0.006	134843840	106.1	
2	9.153	9.148	0.005	177720608	106.2	
2	10.056	10.051	0.005	104870544	104.7	
2	10.638	10.633	0.005	117005239	103.8	
2	11.919	11.913	0.006	152168569	101.5	
		Average of Peak Amounts =			104.5	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.847	-0.003	614227551	10.1	
2	14.316	14.310	0.006	251675306	10.2	

Report Date: 21-Sep-2009 14:39:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17533.D		
Inj Date:	08-Sep-2009 14:17:41	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	9
Client ID:		Instrument:	Inst. M
Sample Info:	STD100		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17534.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	08-Sep-2009 14:39:19	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD200		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	48689	Lims Sample ID:	10
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:40:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

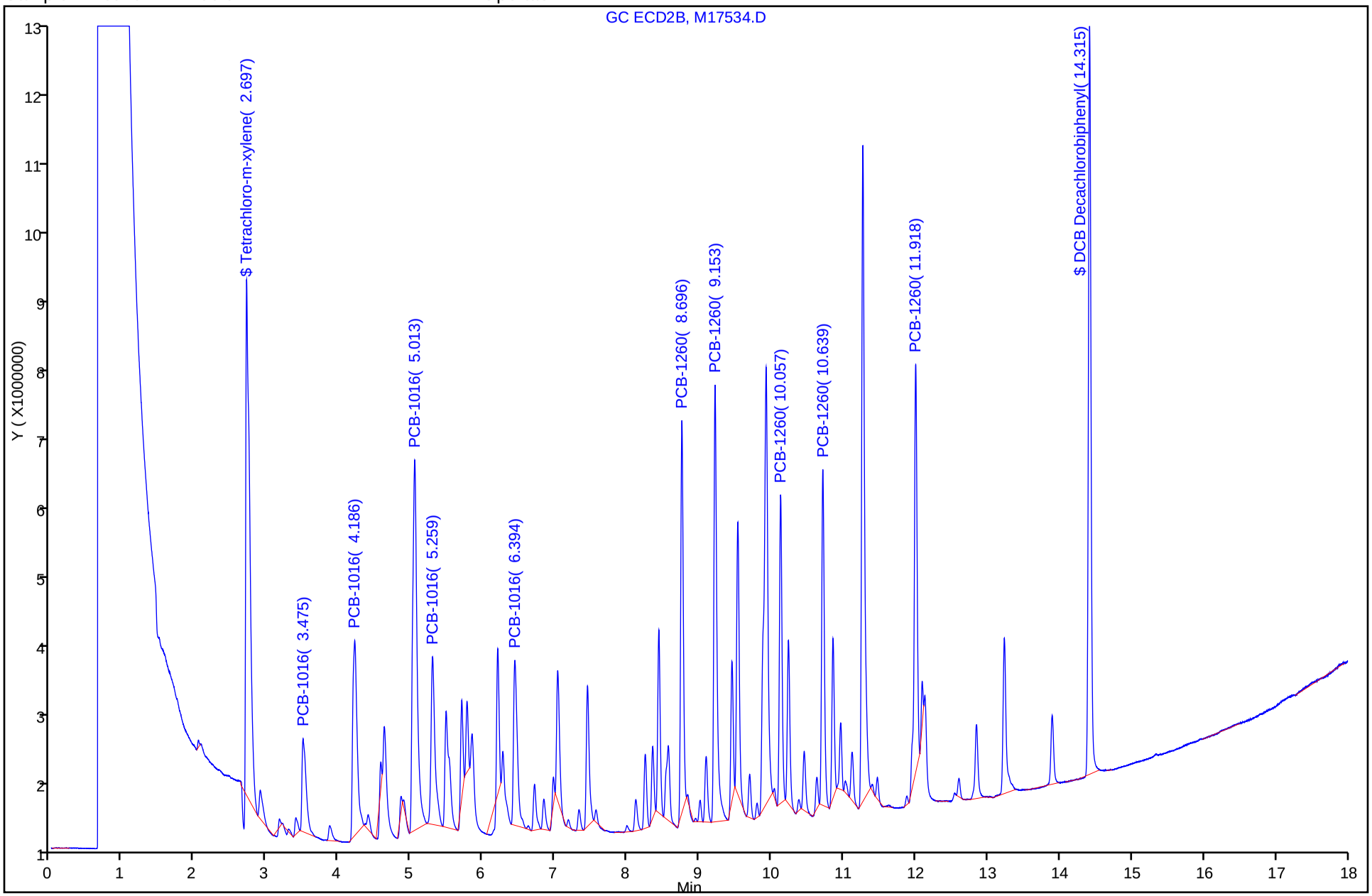
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:50:20
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:17
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:05
Reviewed By:	waltersg	Date:	14-Sep-2009 12:47:44
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:11:42
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:12
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:40:07

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.896	-0.001	1599327744	20.9	
2	2.697	2.698	-0.001	504522037	20.6	
2 PCB-1016						
1	3.494	3.502	-0.008	226906432	200.9	
1	4.120	4.126	-0.006	563667614	201.3	
1	4.971	4.978	-0.007	819052032	198.7	
1	5.219	5.225	-0.006	298566038	187.3	
1	6.756	6.763	-0.007	201674656	202.6	
		Average of Peak Amounts =			198.2	
2	3.475	3.471	0.004	99189250	208.1	
2	4.186	4.182	0.004	217343968	211.5	
2	5.013	5.006	0.007	420502720	197.5	
2	5.259	5.252	0.007	168668368	199.6	
2	6.394	6.388	0.006	160555744	204.4	
		Average of Peak Amounts =			204.2	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.453	8.459	-0.006	702646432	203.0	
1	9.029	9.035	-0.006	728930400	200.4	
1	9.593	9.599	-0.006	1084788064	200.2	
1	11.561	11.565	-0.004	321964544	155.5	
1	12.867	12.869	-0.002	232765936	198.7	
		Average of Peak Amounts =			191.6	
2	8.696	8.689	0.007	256345600	201.7	
2	9.153	9.148	0.005	336382496	201.1	
2	10.057	10.051	0.006	199642560	199.3	
2	10.639	10.633	0.006	224650016	199.3	
2	11.918	11.913	0.005	293148812	195.5	
		Average of Peak Amounts =			199.4	
$ 1 DCB Decachlorobiphenyl						
1	13.844	13.847	-0.003	1239517788	20.3	
2	14.315	14.310	0.005	495031664	20.2	

Report Date: 21-Sep-2009 14:40:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17534.D		
Inj Date:	08-Sep-2009 14:39:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	10
Client ID:		Instrument:	Inst. M
Sample Info:	STD200		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Lims ID:	STD500	Client ID:	
Inject. Date:	08-Sep-2009 15:00:48	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD500		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	11
Lims Batch ID:	48689	Lims Sample ID:	11
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:40:20	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	09-Sep-2009 08:50:47
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:22
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:16
Reviewed By:	waltersg	Date:	14-Sep-2009 12:48:07
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:12:03
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:33:23
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:40:45

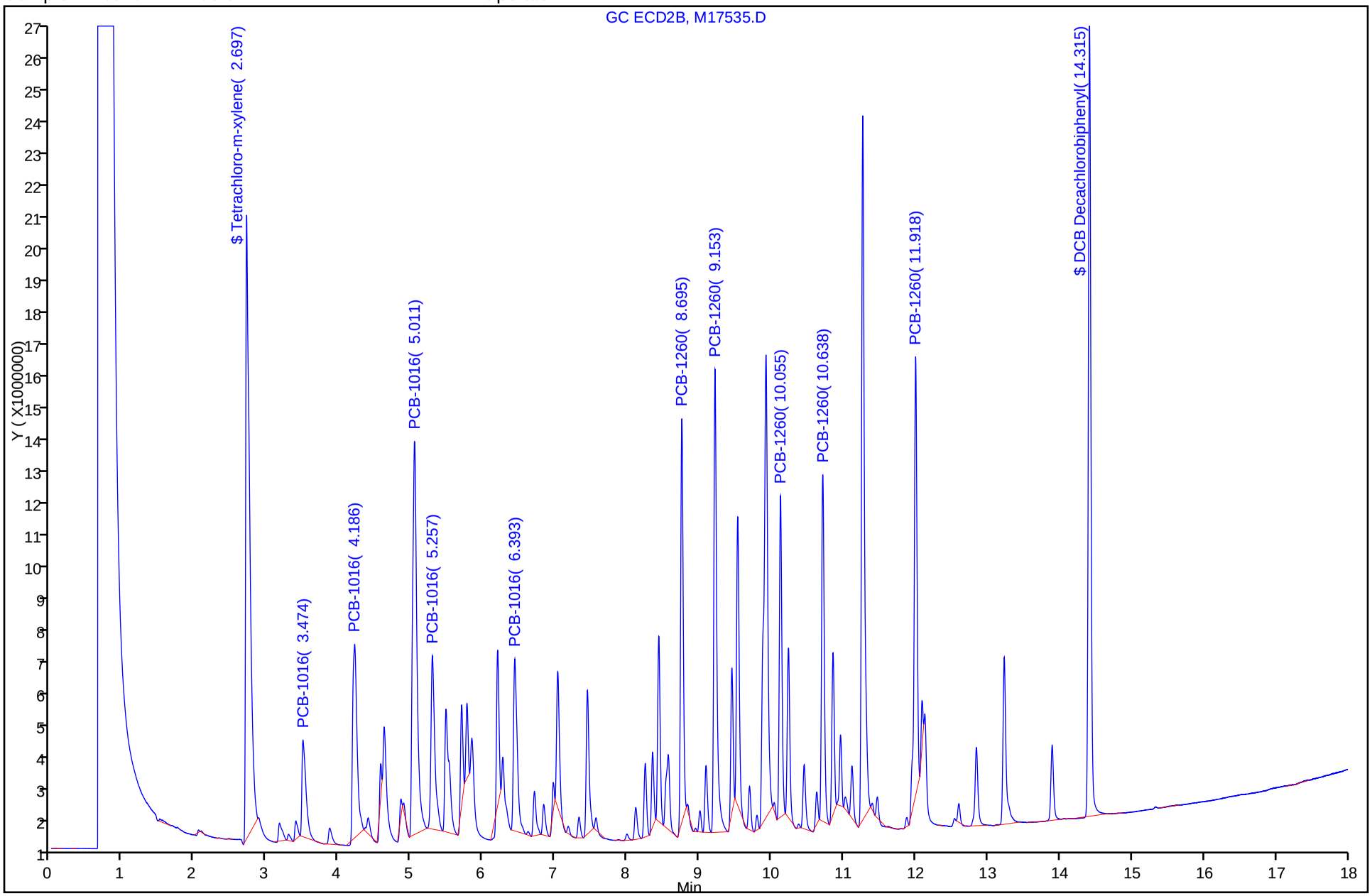
Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.896	-0.001	3752101372	49.0	
2	2.697	2.698	-0.001	1451266720	52.1	
2 PCB-1016						
1	3.493	3.502	-0.009	528716192	468.0	
1	4.119	4.126	-0.007	1297736411	463.4	
1	4.969	4.978	-0.009	2020430400	490.2	
1	5.218	5.225	-0.007	786180800	493.3	
1	6.755	6.763	-0.008	473991552	476.2	
		Average of Peak Amounts =			478.2	
2	3.474	3.471	0.003	228486848	479.3	
2	4.186	4.182	0.004	492943945	479.8	
2	5.011	5.006	0.005	1008722976	473.7	
2	5.257	5.252	0.005	393247072	465.5	
2	6.393	6.388	0.005	375007104	477.5	
		Average of Peak Amounts =			475.2	

Report Date: 21-Sep-2009 14:40:47 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.451	8.459	-0.008	1669263872	482.4	
1	9.028	9.035	-0.007	1766449440	485.6	
1	9.593	9.599	-0.006	2643421296	487.8	
1	11.560	11.565	-0.005	1072041728	517.8	
1	12.866	12.869	-0.003	560931328	478.8	
		Average of Peak Amounts =			490.5	
2	8.695	8.689	0.006	604181776	475.4	
2	9.153	9.148	0.005	793159520	474.1	
2	10.055	10.051	0.004	475191488	474.3	
2	10.638	10.633	0.005	537388256	476.8	
2	11.918	11.913	0.005	722311242	481.8	
		Average of Peak Amounts =			476.5	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.847	-0.004	2980950700	48.9	
2	14.315	14.310	0.005	1207033530	49.1	

Report Date: 21-Sep-2009 14:40:47 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Inj Date:	08-Sep-2009 15:00:48	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	11
Client ID:		Instrument:	Inst. M
Sample Info:	STD500		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Lims ID:	STD2000	Client ID:	
Inject. Date:	08-Sep-2009 15:22:19	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	6
Sample ID:	STD2000		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	48689	Lims Sample ID:	12
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\8082M.m		
Last Update:	21-Sep-2009 14:43:04	Calib Date:	08-Sep-2009 15:00:48
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17535.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

Reviewed By:	zuccalam	Date:	09-Sep-2009 08:51:37
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:03:28
Reviewed By:	zuccalam	Date:	10-Sep-2009 15:06:37
Reviewed By:	waltersg	Date:	14-Sep-2009 12:48:31
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:13:09
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:20:54
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:31:36
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:43:18
Reviewed By:	zuccalam	Date:	21-Sep-2009 14:45:40

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						A
1	2.895	2.903	-0.008	14796297024	193.9	A
2	2.698	2.696	0.002	5857946272	196.6	A
2 PCB-1016						
1	3.493	3.502	-0.009	1953707296	1729.4	
1	4.119	4.126	-0.007	4730312416	1689.2	
1	4.968	4.978	-0.010	8189087104	1986.7	
1	5.216	5.225	-0.009	3164802656	1985.8	
1	6.755	6.763	-0.008	1848044544	1856.8	
		Average of Peak Amounts =			1849.6	
2	3.475	3.471	0.004	837023712	1755.8	
2	4.185	4.182	0.003	1852113568	1802.6	
2	5.011	5.006	0.005	4030901680	1893.1	
2	5.257	5.252	0.005	1549728992	1834.3	
2	6.392	6.388	0.004	1477717376	1881.7	
		Average of Peak Amounts =			1833.5	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						5
1	8.452	8.459	-0.007	6484890352	1873.9	5
1	9.028	9.035	-0.007	7149765920	1965.4	
1	9.592	9.599	-0.007	10734105664	1980.8	
1	11.559	11.565	-0.006	4349886288	2100.8	
1	12.866	12.869	-0.003	2470093024	2108.5	
		Average of Peak Amounts =			2005.9	
2	8.694	8.689	0.005	2373375232	1867.4	5
2	9.152	9.148	0.004	3113332592	1860.9	
2	10.056	10.051	0.005	1892443104	1888.8	
2	10.637	10.633	0.004	2141657824	1900.1	
2	11.918	11.913	0.005	2982840704	1989.8	
		Average of Peak Amounts =			1901.4	
$ 1 DCB Decachlorobiphenyl						
1	13.843	13.847	-0.004	12019153497	197.1	
2	14.315	14.310	0.005	4874435776	198.5	

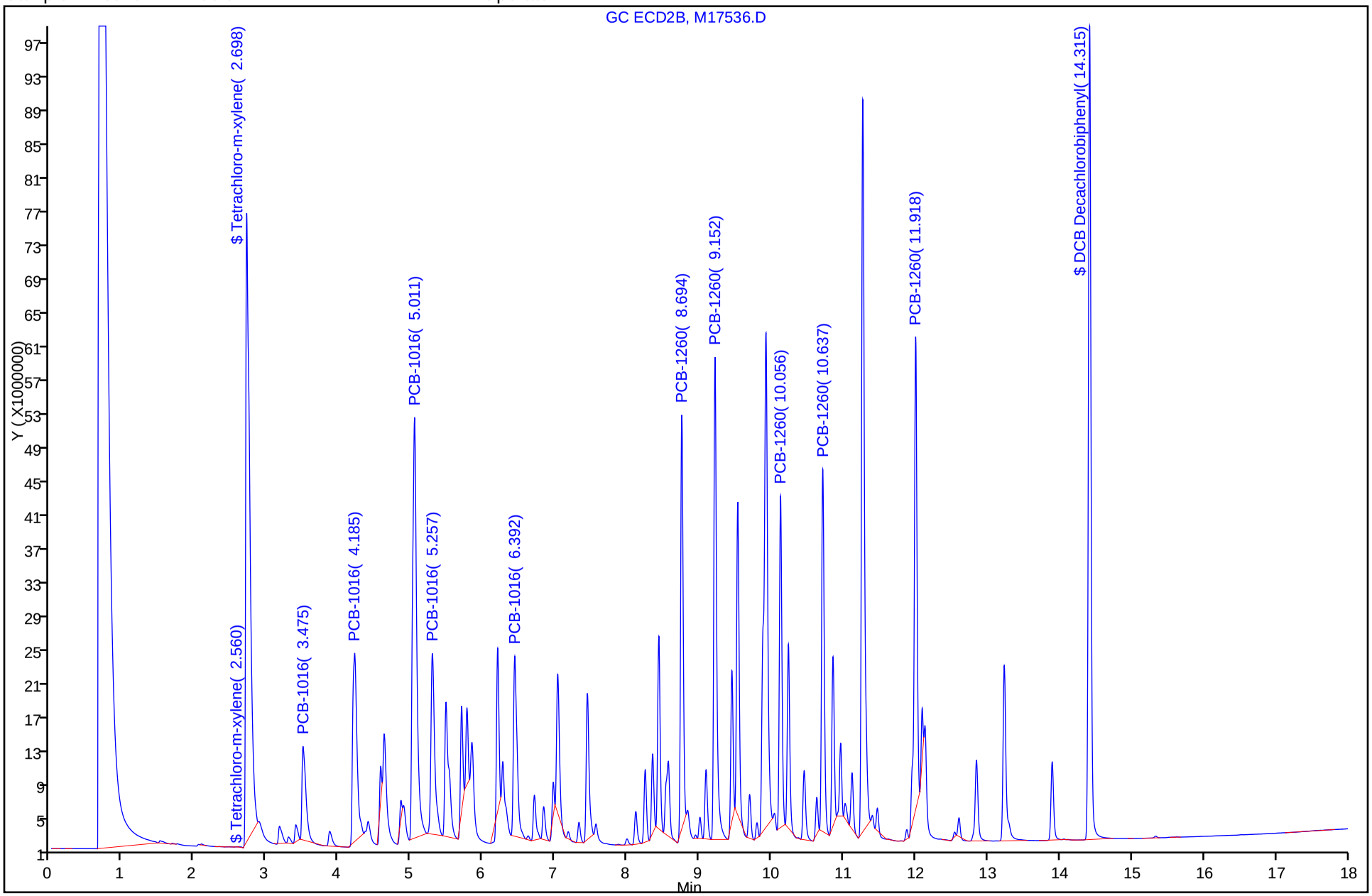
QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
A - User Assigned ID

Report Date: 21-Sep-2009 14:45:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Inj Date:	08-Sep-2009 15:22:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	12
Client ID:		Instrument:	Inst. M
Sample Info:	STD2000		
Sample Amount:	2.00 uL	Operator:	MZ



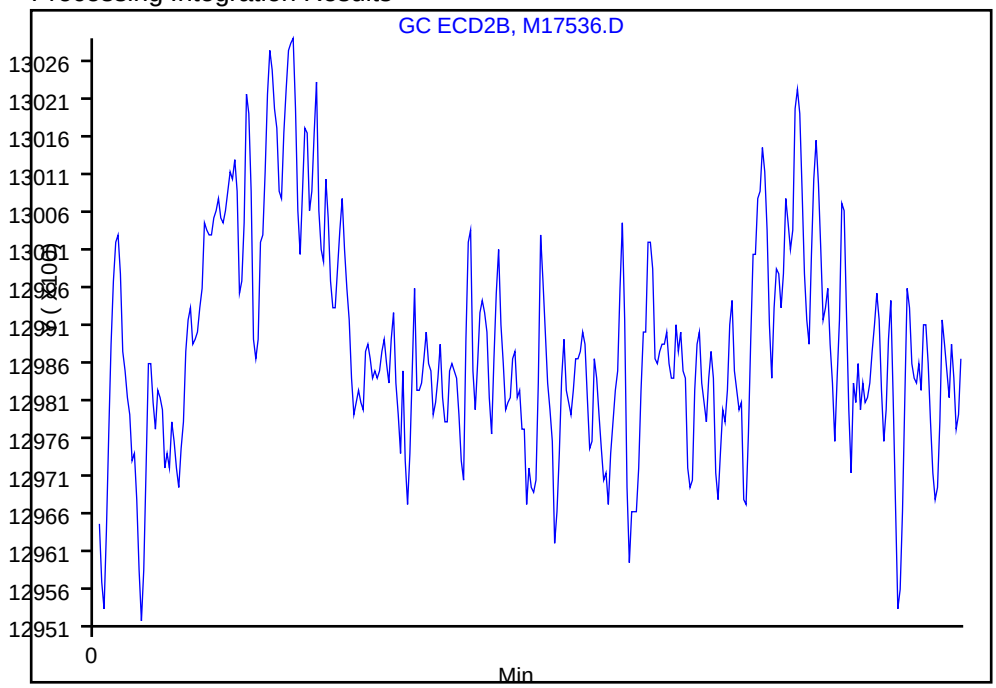
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Inj Date:	08-Sep-2009 15:22:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	48689	Lims Sample ID:	12
Client ID:		Instrument:	Inst. M
Sample Info:	STD2000		
Sample Amount:	2.00 uL	Operator:	MZ

$ 11 Tetrachloro-m-xylene, Number: 2, Type: quant, RT: 2.70, Det: GC ECD2B

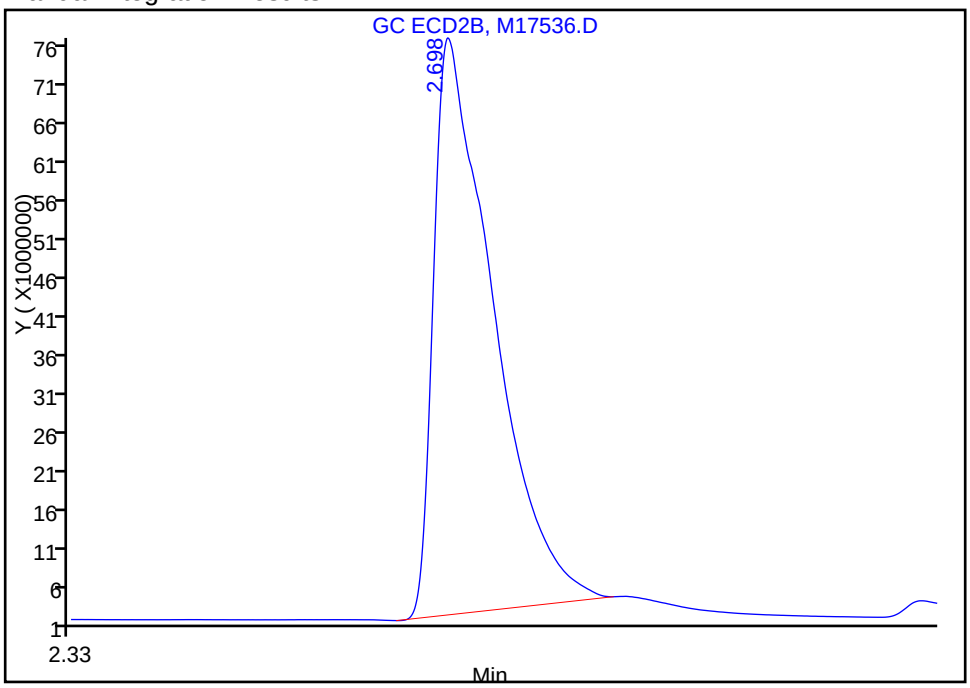
Processing Integration Results

RT: 0.00
Response: 0
Amount: 0



Manual Integration Results

RT: 2.70
Response: 5857946272
Amount: 196.5982



Reviewer: zuccalam, 21-Sep-2009 14:31:36
Audit Action: Assigned Compound ID
Audit Reason:

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49013/1 Calibration Date: 09/16/2009 10:17

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17601.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1057782		936	1000	-6.4	15.0
PCB-1016 Peak 2	Ave	2800318	2712405		969	1000	-3.1	15.0
PCB-1016 Peak 3	Ave	4122029	4320891		1050	1000	4.8	15.0
PCB-1016 Peak 4	Ave	1593728	1466503		920	1000	-8.0	15.0
PCB-1016 Peak 5	Ave	995297	950577		955	1000	-4.5	15.0
PCB-1260 Peak 1	Ave	3460633	3427936		991	1000	-0.9	15.0
PCB-1260 Peak 2	Ave	3637905	3675344		1010	1000	1.0	15.0
PCB-1260 Peak 3	Ave	5419060	5575862		1030	1000	2.9	15.0
PCB-1260 Peak 4	Ave	2070556	2062879		996	1000	-0.4	15.0
PCB-1260 Peak 5	Ave	1171481	1221189		1040	1000	4.2	15.0
Tetrachloro-m-xylene	Ave	76299566	905016		103	100	3.2	15.0
DCB Decachlorobiphenyl	Ave	60978185	58183490		95.4	100	-4.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49013/1 Calibration Date: 09/16/2009 10:17

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17601.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.30	3.70
PCB-1016 Peak 2	4.13	3.93	4.33
PCB-1016 Peak 3	4.98	4.78	5.18
PCB-1016 Peak 4	5.23	5.03	5.43
PCB-1016 Peak 5	6.77	6.57	6.97
PCB-1260 Peak 1	8.46	8.26	8.66
PCB-1260 Peak 2	9.04	8.84	9.24
PCB-1260 Peak 3	9.60	9.40	9.80
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.87	12.67	13.07
Tetrachloro-m-xylene	2.90	2.70	3.10
DCB Decachlorobiphenyl	13.85	13.65	14.05

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17601.D		
Lims ID:	CCVRT	Client ID:	
Inject. Date:	16-Sep-2009 10:17:16	Dil. Factor:	1.0000
Sample Type:	CCVRT, Cal Verification & RT Calib		
Sample ID:	CCVRT		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	49013	Lims Sample ID:	1
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\8082M.m		
Last Update:	17-Sep-2009 14:36:39	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

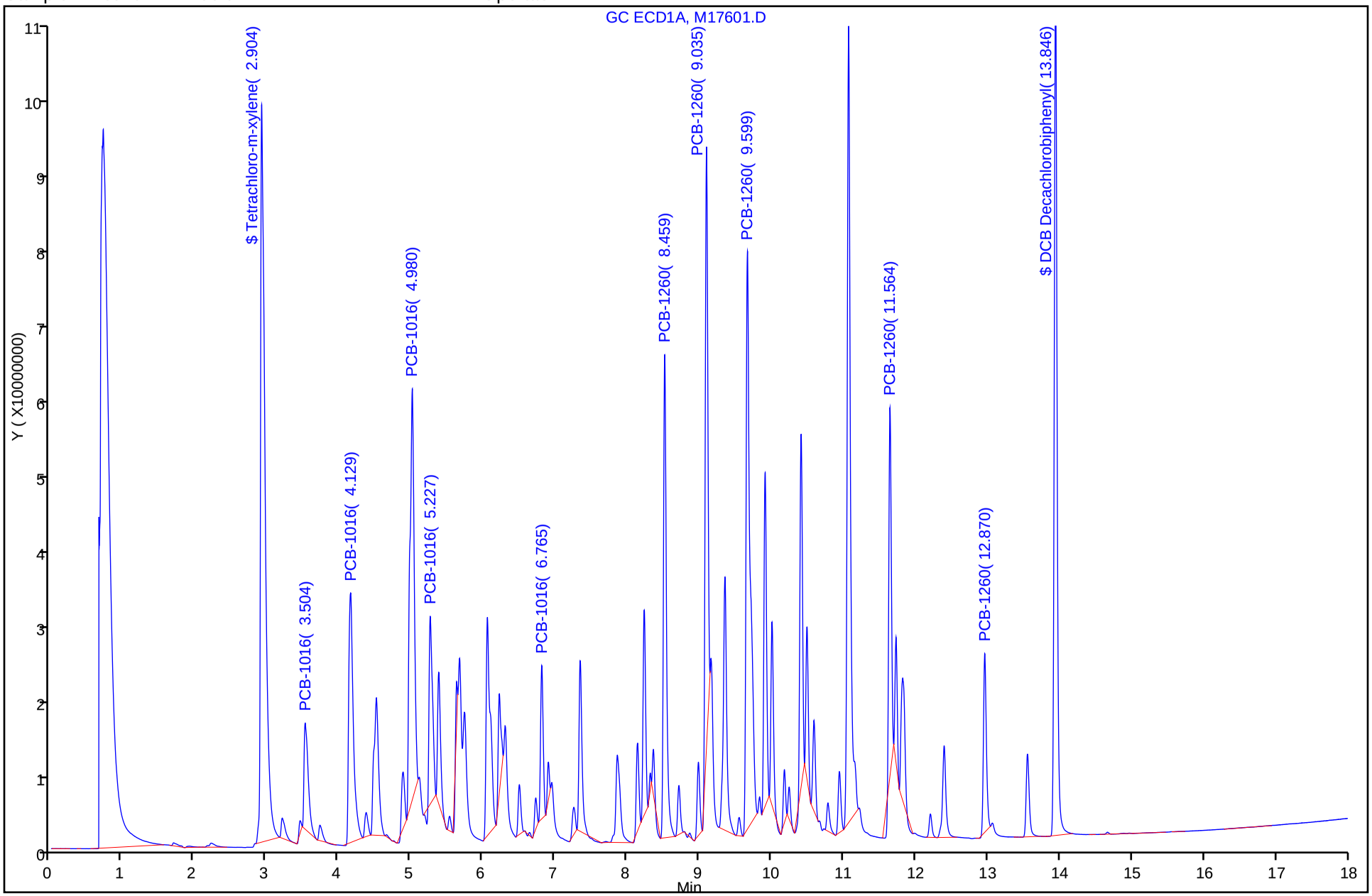
Reviewed By:	zuccalam	Date:	16-Sep-2009 10:48:21
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:36:39

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.904	2.904	0.000	7877203360	103.2	
2	2.697	2.697	0.000	2821591680	96.7	
2 PCB-1016						
1	3.504	3.504	0.000	1057781600	936.3	
1	4.129	4.129	0.000	2712405268	968.6	
1	4.980	4.980	0.000	4320890592	1048.2	
1	5.227	5.227	0.000	1466503300	920.2	
1	6.765	6.765	0.000	950576608	955.1	
		Average of Peak Amounts =			965.7	
2	3.475	3.475	0.000	432660048	907.6	
2	4.185	4.185	0.000	911046989	886.7	
2	5.009	5.009	0.000	2014820096	946.2	
2	5.255	5.255	0.000	773154096	915.1	
2	6.389	6.389	0.000	733846208	934.5	
		Average of Peak Amounts =			918.0	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.459	8.459	0.000	3427936320	990.6	
1	9.035	9.035	0.000	3675344352	1010.3	
1	9.599	9.599	0.000	5575862144	1028.9	
1	11.564	11.564	0.000	2062878713	996.3	
1	12.870	12.870	0.000	1221189152	1042.4	
		Average of Peak Amounts =			1013.7	
2	8.691	8.691	0.000	1159968464	912.7	
2	9.149	9.149	0.000	1540102048	920.6	
2	10.052	10.052	0.000	911900352	910.1	
2	10.634	10.634	0.000	1039455456	922.2	
2	11.913	11.913	0.000	1413281472	942.8	
		Average of Peak Amounts =			921.7	
$ 1 DCB Decachlorobiphenyl						
1	13.846	13.846	0.000	5818349216	95.4	
2	14.311	14.311	0.000	2234915280	91.0	

Report Date: 17-Sep-2009 14:36:40 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17601.D		
Inj Date:	16-Sep-2009 10:17:16	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49013	Lims Sample ID:	1
Client ID:		Instrument:	Inst. M
Sample Info:	CCVRT		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49013/19 Calibration Date: 09/16/2009 17:10

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17619.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1046763		927	1000	-7.3	15.0
PCB-1016 Peak 2	Ave	2800318	2668497		953	1000	-4.7	15.0
PCB-1016 Peak 3	Ave	4122029	4330428		1050	1000	5.1	15.0
PCB-1016 Peak 4	Ave	1593728	1668838		1050	1000	4.7	15.0
PCB-1016 Peak 5	Ave	995297	945165		950	1000	-5.0	15.0
PCB-1260 Peak 1	Ave	3460633	3316280		958	1000	-4.2	15.0
PCB-1260 Peak 2	Ave	3637905	3659504		1010	1000	0.6	15.0
PCB-1260 Peak 3	Ave	5419060	5495365		1010	1000	1.4	15.0
PCB-1260 Peak 4	Ave	2070556	2309647		1120	1000	11.5	15.0
PCB-1260 Peak 5	Ave	1171481	1185102		1010	1000	1.2	15.0
Tetrachloro-m-xylene	Ave	76299566	971166		103	100	3.0	15.0
DCB Decachlorobiphenyl	Ave	60978185	56243290		92.2	100	-7.8	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49013/19 Calibration Date: 09/16/2009 17:10

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17619.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.30	3.70
PCB-1016 Peak 2	4.11	3.93	4.33
PCB-1016 Peak 3	4.97	4.78	5.18
PCB-1016 Peak 4	5.21	5.03	5.43
PCB-1016 Peak 5	6.75	6.57	6.97
PCB-1260 Peak 1	8.45	8.26	8.66
PCB-1260 Peak 2	9.02	8.84	9.24
PCB-1260 Peak 3	9.59	9.40	9.80
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.86	12.67	13.07
Tetrachloro-m-xylene	2.89	2.70	3.10
DCB Decachlorobiphenyl	13.84	13.65	14.05

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17619.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	16-Sep-2009 17:10:26	Dil. Factor:	1.0000
Sample Type:	CCV, Cal Verification		
Sample ID:	CCV		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	19
Lims Batch ID:	49013	Lims Sample ID:	19
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\8082M.m		
Last Update:	17-Sep-2009 14:44:15	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

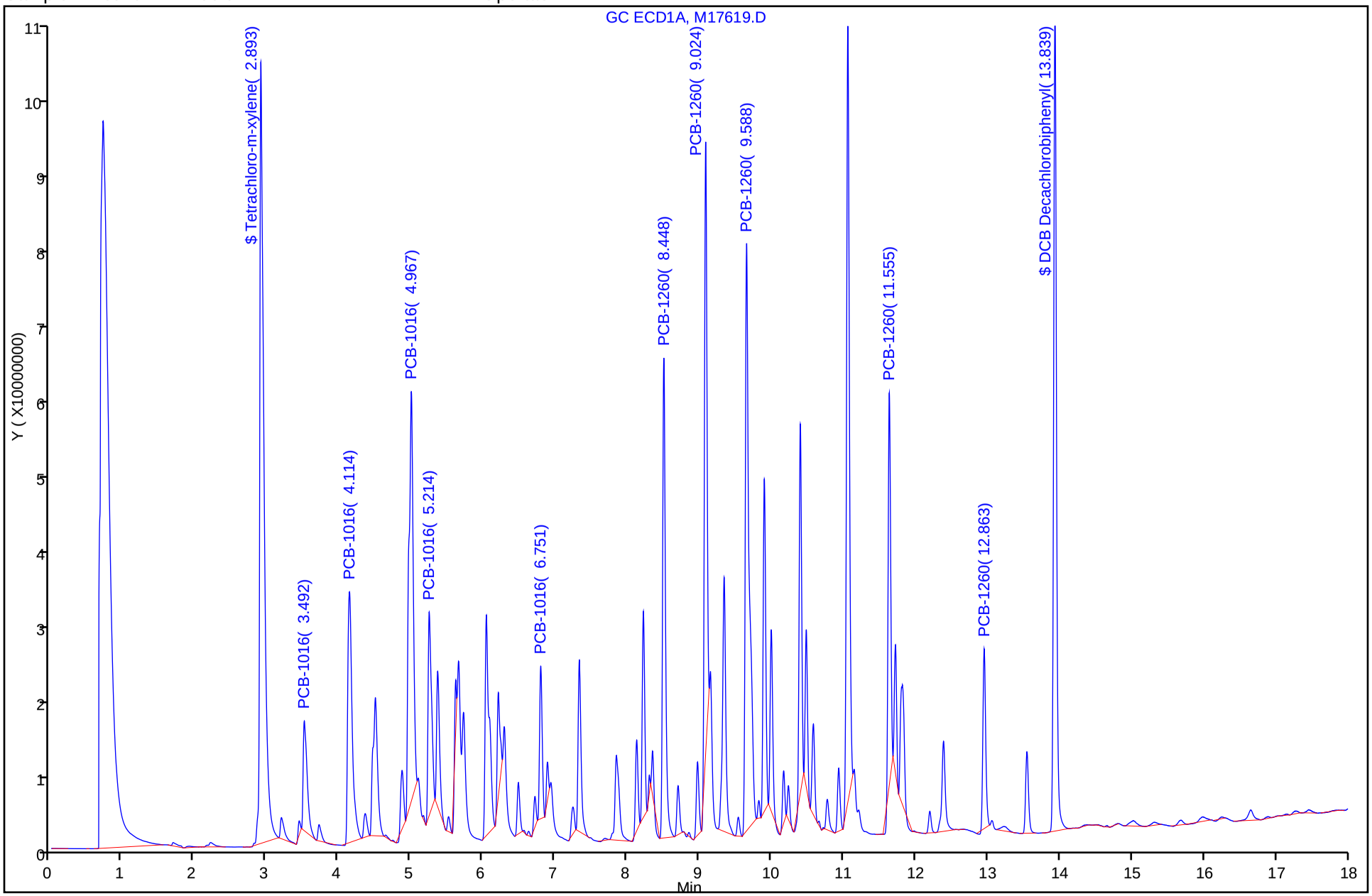
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:50:05
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:44:15

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.893	2.904	-0.011	7861129877	103.0	
2	2.697	2.697	0.000	2813431726	96.4	
2 PCB-1016						
1	3.492	3.504	-0.012	1046763136	926.6	
1	4.114	4.129	-0.015	2668497336	952.9	
1	4.967	4.980	-0.013	4330428128	1050.6	
1	5.214	5.227	-0.013	1668838400	1047.1	
1	6.751	6.765	-0.014	945165408	949.6	
		Average of Peak Amounts =			985.4	
2	3.473	3.475	-0.002	434234064	910.9	
2	4.183	4.185	-0.002	919543752	895.0	
2	5.010	5.009	0.001	2022534256	949.9	
2	5.255	5.255	0.000	776448576	919.0	
2	6.390	6.389	0.001	723753408	921.6	
		Average of Peak Amounts =			919.3	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.448	8.459	-0.011	3316280400	958.3	
1	9.024	9.035	-0.011	3659504320	1005.9	
1	9.588	9.599	-0.011	5495365472	1014.1	
1	11.555	11.564	-0.009	2309647312	1115.5	
1	12.863	12.870	-0.007	1185102380	1011.6	
		Average of Peak Amounts =			1021.1	
2	8.693	8.691	0.002	1147767216	903.1	
2	9.150	9.149	0.001	1512918624	904.3	
2	10.053	10.052	0.001	894042960	892.3	
2	10.635	10.634	0.001	1010166880	896.2	
2	11.914	11.913	0.001	1445505472	964.2	
		Average of Peak Amounts =			912.0	
$ 1 DCB Decachlorobiphenyl						
1	13.839	13.846	-0.007	5624328932	92.2	
2	14.312	14.311	0.001	2171241548	88.4	

Report Date: 17-Sep-2009 14:44:16 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17619.D		
Inj Date:	16-Sep-2009 17:10:26	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49013	Lims Sample ID:	19
Client ID:		Instrument:	Inst. M
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49051/1 Calibration Date: 09/16/2009 17:31

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17620.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1019905		903	1000	-9.7	15.0
PCB-1016 Peak 2	Ave	2800318	2618938		935	1000	-6.5	15.0
PCB-1016 Peak 3	Ave	4122029	4204377		1020	1000	2.0	15.0
PCB-1016 Peak 4	Ave	1593728	1461258		917	1000	-8.3	15.0
PCB-1016 Peak 5	Ave	995297	936110		941	1000	-5.9	15.0
PCB-1260 Peak 1	Ave	3460633	3283742		949	1000	-5.1	15.0
PCB-1260 Peak 2	Ave	3637905	3622672		996	1000	-0.4	15.0
PCB-1260 Peak 3	Ave	5419060	5457268		1010	1000	0.7	15.0
PCB-1260 Peak 4	Ave	2070556	2384909		1150	1000	15.2*	15.0
PCB-1260 Peak 5	Ave	1171481	1197350		1020	1000	2.2	15.0
Tetrachloro-m-xylene	Ave	76299566	79856810		105	100	4.7	15.0
DCB Decachlorobiphenyl	Ave	60978185	55660290		91.3	100	-8.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49051/1 Calibration Date: 09/16/2009 17:31

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17620.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.29	3.69
PCB-1016 Peak 2	4.12	3.92	4.32
PCB-1016 Peak 3	4.97	4.77	5.17
PCB-1016 Peak 4	5.22	5.02	5.42
PCB-1016 Peak 5	6.75	6.55	6.95
PCB-1260 Peak 1	8.45	8.25	8.65
PCB-1260 Peak 2	9.02	8.82	9.22
PCB-1260 Peak 3	9.59	9.39	9.79
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.86	12.66	13.06
Tetrachloro-m-xylene	2.89	2.69	3.09
DCB Decachlorobiphenyl	13.84	13.64	14.04

TestAmerica Laboratories
Target Compound Quantitation Report

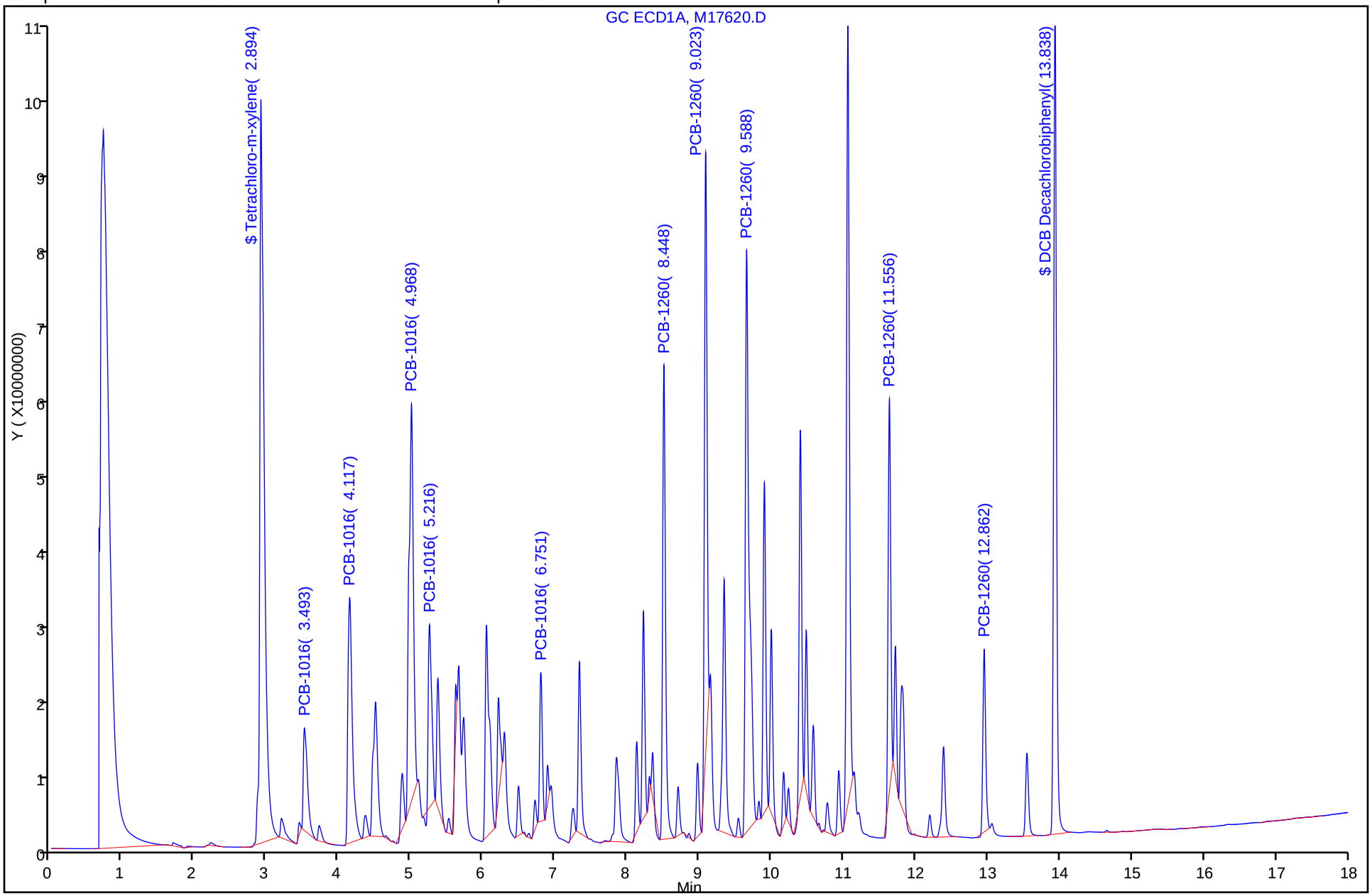
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17620.D		
Lims ID:	CCVRT	Client ID:	
Inject. Date:	16-Sep-2009 17:31:56	Dil. Factor:	1.0000
Sample Type:	CCVRT, Cal Verification & RT Calib		
Sample ID:	CCVRT		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	19
Lims Batch ID:	49051	Lims Sample ID:	1
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:50:42
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:45:22
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:49:07

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.894	2.894	0.000	7985681024	104.7	
2	2.696	2.696	0.000	2857190732	97.9	
2 PCB-1016						
1	3.493	3.493	0.000	1019904896	902.8	
1	4.117	4.117	0.000	2618938207	935.2	
1	4.968	4.968	0.000	4204377152	1020.0	
1	5.216	5.216	0.000	1461258281	916.9	
1	6.751	6.751	0.000	936109632	940.5	
		Average of Peak Amounts =			943.1	
2	3.473	3.473	0.000	441121536	925.3	
2	4.183	4.183	0.000	945121484	919.9	
2	5.009	5.009	0.000	2067680928	971.1	
2	5.255	5.255	0.000	794709200	940.6	
2	6.389	6.389	0.000	742841152	945.9	
		Average of Peak Amounts =			940.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.448	8.448	0.000	3283742176	948.9	
1	9.023	9.023	0.000	3622672448	995.8	
1	9.588	9.588	0.000	5457267840	1007.1	
1	11.556	11.556	0.000	2384909344	1151.8	
1	12.862	12.862	0.000	1197350208	1022.1	
		Average of Peak Amounts =			1025.1	
2	8.691	8.691	0.000	1189747712	936.1	
2	9.150	9.150	0.000	1561822400	933.5	
2	10.052	10.052	0.000	927626688	925.8	
2	10.634	10.634	0.000	1050135552	931.7	
2	11.913	11.913	0.000	1507187648	1005.4	
		Average of Peak Amounts =			946.5	
$ 1 DCB Decachlorobiphenyl						
1	13.838	13.838	0.000	5566029280	91.3	
2	14.311	14.311	0.000	2270699616	92.5	

Report Date: 17-Sep-2009 14:49:07 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17620.D		
Inj Date:	16-Sep-2009 17:31:56	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	1
Client ID:		Instrument:	Inst. M
Sample Info:	CCVRT		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49051/12 Calibration Date: 09/16/2009 21:28

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17631.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1046863		927	1000	-7.3	15.0
PCB-1016 Peak 2	Ave	2800318	2672974		955	1000	-4.5	15.0
PCB-1016 Peak 3	Ave	4122029	4287293		1040	1000	4.0	15.0
PCB-1016 Peak 4	Ave	1593728	1478127		927	1000	-7.3	15.0
PCB-1016 Peak 5	Ave	995297	940787		945	1000	-5.5	15.0
PCB-1260 Peak 1	Ave	3460633	3333154		963	1000	-3.7	15.0
PCB-1260 Peak 2	Ave	3637905	3761396		1030	1000	3.4	15.0
PCB-1260 Peak 3	Ave	5419060	5558376		1030	1000	2.6	15.0
PCB-1260 Peak 4	Ave	2070556	2443098		1180	1000	18.0*	15.0
PCB-1260 Peak 5	Ave	1171481	1221299		1040	1000	4.3	15.0
Tetrachloro-m-xylene	Ave	76299566	77929800		102	100	2.1	15.0
DCB Decachlorobiphenyl	Ave	60978185	55524820		91.1	100	-8.9	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49051/12 Calibration Date: 09/16/2009 21:28

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17631.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.29	3.69
PCB-1016 Peak 2	4.12	3.92	4.32
PCB-1016 Peak 3	4.97	4.77	5.17
PCB-1016 Peak 4	5.22	5.02	5.42
PCB-1016 Peak 5	6.75	6.55	6.95
PCB-1260 Peak 1	8.45	8.25	8.65
PCB-1260 Peak 2	9.03	8.82	9.22
PCB-1260 Peak 3	9.59	9.39	9.79
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.86	12.66	13.06
Tetrachloro-m-xylene	2.90	2.69	3.09
DCB Decachlorobiphenyl	13.84	13.64	14.04

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17631.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	16-Sep-2009 21:28:47	Dil. Factor:	1.0000
Sample Type:	CCV, Cal Verification		
Sample ID:	CCV		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	96
Lims Batch ID:	49051	Lims Sample ID:	12
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:53:18	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

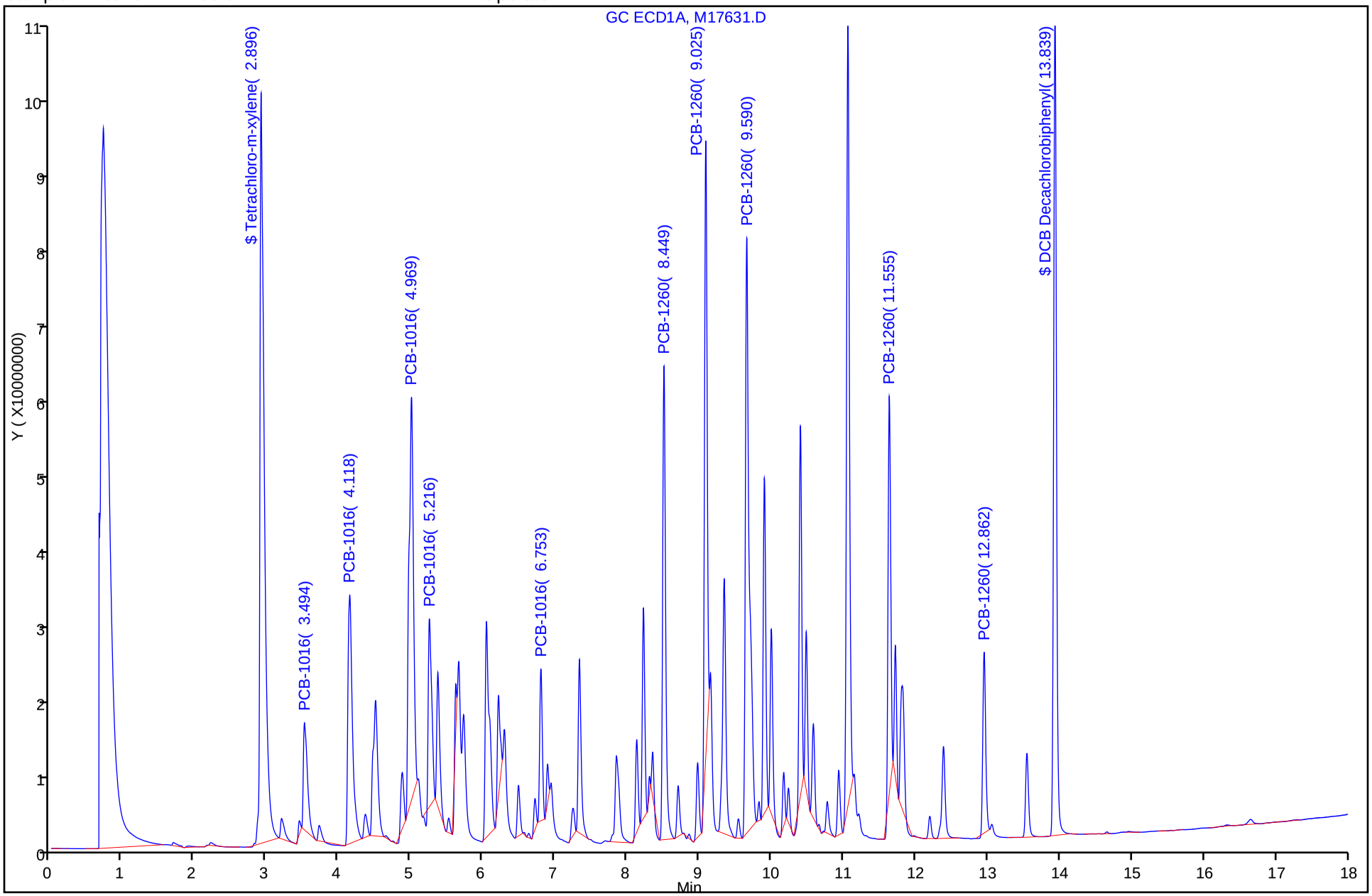
Reviewed By:	zuccalam	Date:	17-Sep-2009 07:51:25
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:47:24
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:53:18

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.896	2.894	0.002	7792980016	102.1	
2	2.696	2.696	0.000	2966808042	101.5	
2 PCB-1016						
1	3.494	3.493	0.001	1046862720	926.7	
1	4.118	4.117	0.001	2672974112	954.5	
1	4.969	4.968	0.001	4287293088	1040.1	
1	5.216	5.216	0.000	1478127274	927.5	
1	6.753	6.751	0.002	940786816	945.2	
		Average of Peak Amounts =			958.8	
2	3.472	3.473	-0.001	455768304	956.0	
2	4.185	4.183	0.002	963276231	937.5	
2	5.010	5.009	0.001	2157736512	1013.4	
2	5.255	5.255	0.000	829376256	981.7	
2	6.390	6.389	0.001	773908304	985.5	
		Average of Peak Amounts =			974.8	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.449	8.448	0.001	3333153696	963.2	
1	9.025	9.023	0.002	3761396288	1033.9	
1	9.590	9.588	0.002	5558376128	1025.7	
1	11.555	11.556	-0.001	2443097936	1179.9	
1	12.862	12.862	0.000	1221298825	1042.5	
		Average of Peak Amounts =			1049.1	
2	8.692	8.691	0.001	1232460992	969.7	
2	9.149	9.150	-0.001	1629910048	974.2	
2	10.052	10.052	0.000	968907840	967.0	
2	10.634	10.634	0.000	1090361936	967.4	
2	11.913	11.913	0.000	1589584064	1060.4	
		Average of Peak Amounts =			987.7	
$ 1 DCB Decachlorobiphenyl						
1	13.839	13.838	0.001	5552482464	91.1	
2	14.311	14.311	0.000	2339499607	95.3	

Report Date: 17-Sep-2009 14:53:18 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17631.D		
Inj Date:	16-Sep-2009 21:28:47	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	12
Client ID:		Instrument:	Inst. M
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49100/1 Calibration Date: 09/17/2009 12:23

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17631.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1055513		934	1000	-6.6	15.0
PCB-1016 Peak 2	Ave	2800318	2683618		958	1000	-4.2	15.0
PCB-1016 Peak 3	Ave	4122029	4466432		1080	1000	8.4	15.0
PCB-1016 Peak 4	Ave	1593728	1554256		975	1000	-2.5	15.0
PCB-1016 Peak 5	Ave	995297	939822		944	1000	-5.6	15.0
PCB-1260 Peak 1	Ave	3460633	3303793		955	1000	-4.5	15.0
PCB-1260 Peak 2	Ave	3637905	3706885		1020	1000	1.9	15.0
PCB-1260 Peak 3	Ave	5419060	5461333		1010	1000	0.8	15.0
PCB-1260 Peak 4	Ave	2070556	2179826		1050	1000	5.3	15.0
PCB-1260 Peak 5	Ave	1171481	1131113		966	1000	-3.4	15.0
Tetrachloro-m-xylene	Ave	76299566	912855		102	100	1.9	15.0
DCB Decachlorobiphenyl	Ave	60978185	53552020		87.8	100	-12.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCVRT 360-49100/1 Calibration Date: 09/17/2009 12:23

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17631.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.30	3.70
PCB-1016 Peak 2	4.13	3.93	4.33
PCB-1016 Peak 3	4.98	4.78	5.18
PCB-1016 Peak 4	5.23	5.03	5.43
PCB-1016 Peak 5	6.76	6.56	6.96
PCB-1260 Peak 1	8.46	8.26	8.66
PCB-1260 Peak 2	9.04	8.84	9.24
PCB-1260 Peak 3	9.60	9.40	9.80
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.87	12.67	13.07
Tetrachloro-m-xylene	2.90	2.70	3.10
DCB Decachlorobiphenyl	13.85	13.65	14.05

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17631.D		
Lims ID:	CCVRT	Client ID:	
Inject. Date:	17-Sep-2009 12:23:26	Dil. Factor:	1.0000
Sample Type:	CCVRT, Cal Verification & RT Calib		
Sample ID:	CCVRT		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	49100	Lims Sample ID:	1
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\8082M.m		
Last Update:	17-Sep-2009 15:01:32	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

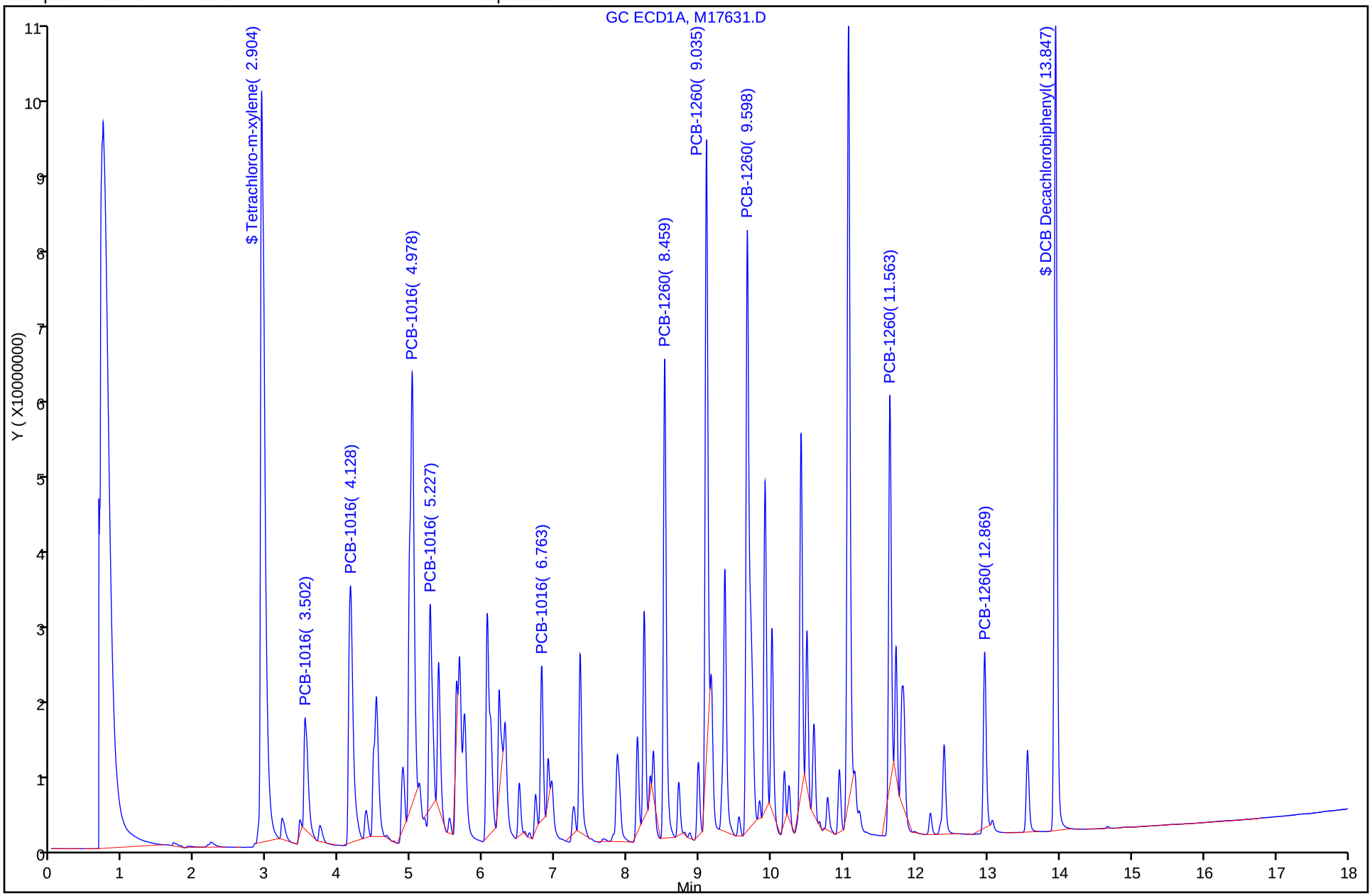
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:07:35
Reviewed By:	zuccalam	Date:	17-Sep-2009 15:01:32

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.904	2.904	0.000	7772273632	101.9	
2	2.695	2.695	0.000	2921842907	100.0	
2 PCB-1016						
1	3.502	3.502	0.000	1055513472	934.3	
1	4.128	4.128	0.000	2683617855	958.3	
1	4.978	4.978	0.000	4466432032	1083.6	
1	5.227	5.227	0.000	1554256300	975.2	
1	6.763	6.763	0.000	939821664	944.3	
		Average of Peak Amounts =			979.1	
2	3.471	3.471	0.000	439682336	922.3	
2	4.183	4.183	0.000	962322160	936.6	
2	5.007	5.007	0.000	2110685408	991.3	
2	5.253	5.253	0.000	813618080	963.0	
2	6.389	6.389	0.000	760000880	967.8	
		Average of Peak Amounts =			956.2	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.459	8.459	0.000	3303793216	954.7	
1	9.035	9.035	0.000	3706885376	1019.0	
1	9.598	9.598	0.000	5461332800	1007.8	
1	11.563	11.563	0.000	2179825951	1052.8	
1	12.869	12.869	0.000	1131112832	965.5	
		Average of Peak Amounts =			1000.0	
2	8.692	8.692	0.000	1175272544	924.7	
2	9.149	9.149	0.000	1556851040	930.6	
2	10.052	10.052	0.000	919571584	917.8	
2	10.633	10.633	0.000	1036443744	919.5	
2	11.912	11.912	0.000	1469891984	980.5	
		Average of Peak Amounts =			934.6	
$ 1 DCB Decachlorobiphenyl						
1	13.847	13.847	0.000	5355202132	87.8	
2	14.312	14.312	0.000	2147012586	87.4	

Report Date: 17-Sep-2009 15:01:32 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17631.D		
Inj Date:	17-Sep-2009 12:23:26	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	1
Client ID:		Instrument:	Inst. M
Sample Info:	CCVRT		
Sample Amount:	2.00 uL	Operator:	MZ



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49100/11 Calibration Date: 09/17/2009 16:55

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17641.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1129711	1027607		910	1000	-9.0	15.0
PCB-1016 Peak 2	Ave	2800318	2621331		936	1000	-6.4	15.0
PCB-1016 Peak 3	Ave	4122029	4189456		1020	1000	1.6	15.0
PCB-1016 Peak 4	Ave	1593728	1463818		918	1000	-8.2	15.0
PCB-1016 Peak 5	Ave	995297	921488		926	1000	-7.4	15.0
PCB-1260 Peak 1	Ave	3460633	3243561		937	1000	-6.3	15.0
PCB-1260 Peak 2	Ave	3637905	3589459		987	1000	-1.3	15.0
PCB-1260 Peak 3	Ave	5419060	5337704		985	1000	-1.5	15.0
PCB-1260 Peak 4	Ave	2070556	2129462		1030	1000	2.8	15.0
PCB-1260 Peak 5	Ave	1171481	1187098		1010	1000	1.3	15.0
Tetrachloro-m-xylene	Ave	76299566	938406		105	100	4.6	15.0
DCB Decachlorobiphenyl	Ave	60978185	54788460		89.8	100	-10.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: CCV 360-49100/11 Calibration Date: 09/17/2009 16:55

Instrument ID: Inst. M Calib Start Date: 09/08/2009 13:34

GC Column: RTX-CLPest1 ID: 0.32(mm) Calib End Date: 09/08/2009 15:22

Lab File ID: M17641.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.30	3.70
PCB-1016 Peak 2	4.12	3.93	4.33
PCB-1016 Peak 3	4.97	4.78	5.18
PCB-1016 Peak 4	5.22	5.03	5.43
PCB-1016 Peak 5	6.75	6.56	6.96
PCB-1260 Peak 1	8.45	8.26	8.66
PCB-1260 Peak 2	9.03	8.84	9.24
PCB-1260 Peak 3	9.59	9.40	9.80
PCB-1260 Peak 4	11.56	11.36	11.76
PCB-1260 Peak 5	12.86	12.67	13.07
Tetrachloro-m-xylene	2.90	2.70	3.10
DCB Decachlorobiphenyl	13.84	13.65	14.05

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17641.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	17-Sep-2009 16:55:28	Dil. Factor:	1.0000
Sample Type:	CCV, Cal Verification		
Sample ID:	CCV		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	49100	Lims Sample ID:	11
Sublist:	chrom-8082M*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		

Method:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\8082M.m		
Last Update:	18-Sep-2009 08:12:01	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		

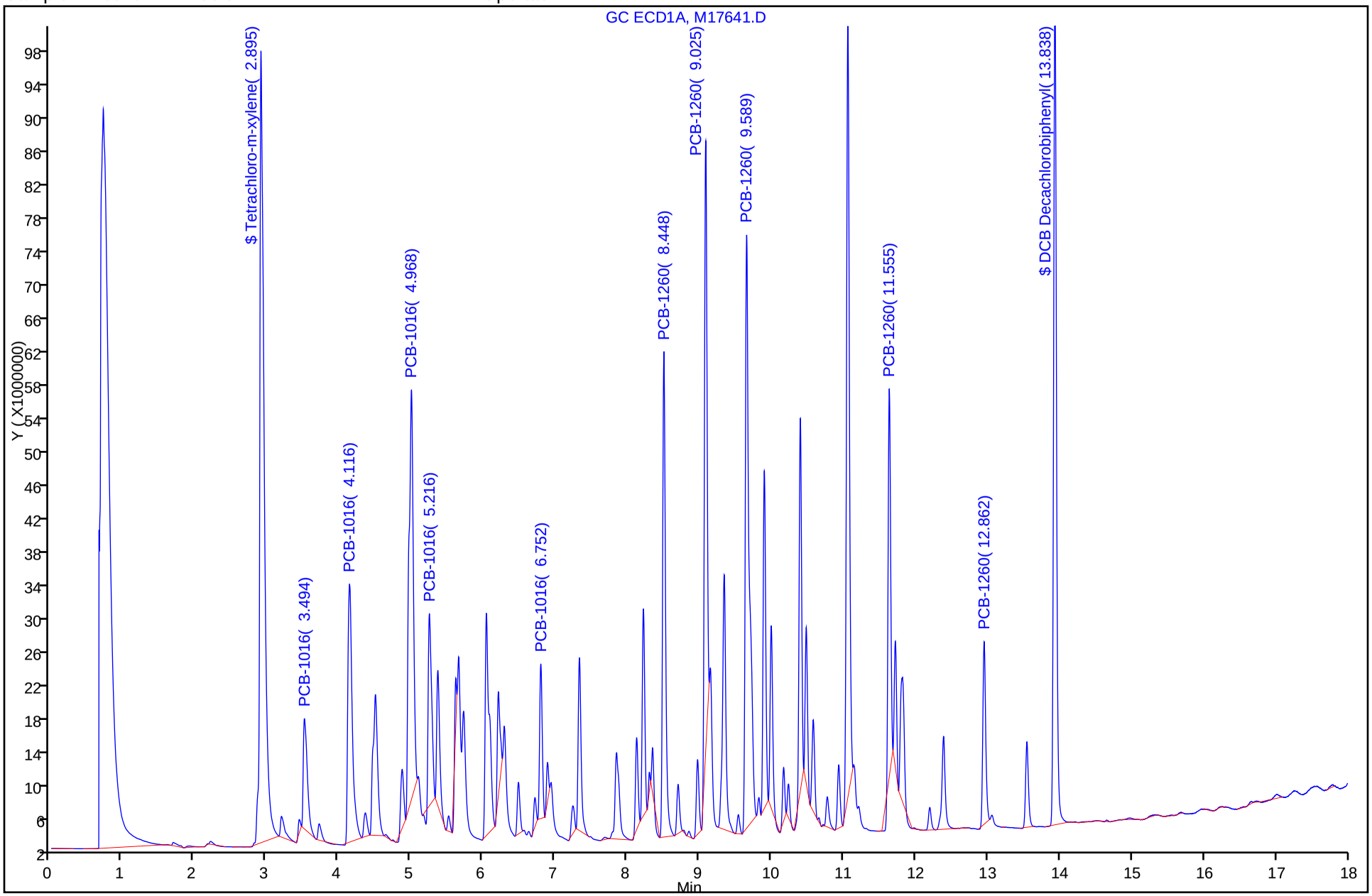
Reviewed By:	zuccalam	Date:	18-Sep-2009 08:12:01

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.895	2.904	-0.009	7980140816	104.6	
2	2.696	2.695	0.001	3013519757	103.0	
2 PCB-1016						
1	3.494	3.502	-0.008	1027606976	909.6	
1	4.116	4.128	-0.012	2621331189	936.1	
1	4.968	4.978	-0.010	4189456208	1016.4	
1	5.216	5.227	-0.011	1463817738	918.5	
1	6.752	6.763	-0.011	921487920	925.8	
		Average of Peak Amounts =			941.3	
2	3.472	3.471	0.001	460837440	966.7	
2	4.181	4.183	-0.002	1002535648	975.7	
2	5.008	5.007	0.001	2160008704	1014.4	
2	5.254	5.253	0.001	829359104	981.6	
2	6.389	6.389	0.000	777186208	989.6	
		Average of Peak Amounts =			985.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.448	8.459	-0.011	3243560768	937.3	
1	9.025	9.035	-0.010	3589459392	986.7	
1	9.589	9.598	-0.009	5337704160	985.0	
1	11.555	11.563	-0.008	2129462272	1028.4	
1	12.862	12.869	-0.007	1187097952	1013.3	
		Average of Peak Amounts =			990.1	
2	8.691	8.692	-0.001	1239183488	975.0	
2	9.149	9.149	0.000	1621346816	969.1	
2	10.052	10.052	0.000	964998656	963.1	
2	10.634	10.633	0.001	1083163696	961.0	
2	11.914	11.912	0.002	1553772992	1036.5	
		Average of Peak Amounts =			980.9	
$ 1 DCB Decachlorobiphenyl						
1	13.838	13.847	-0.009	5478846176	89.8	
2	14.311	14.312	-0.001	2322050160	94.5	

Report Date: 18-Sep-2009 08:12:01 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090917-1.b\M17641.D		
Inj Date:	17-Sep-2009 16:55:28	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49100	Lims Sample ID:	11
Client ID:		Instrument:	Inst. M
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: | Lab Sample ID: MB 360-49010/1-A

Matrix: Solid | Lab File ID: M17602.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3546 | Date Extracted: 09/16/2009 09:18

Sample wt/vol: 10.00(g) | Date Analyzed: 09/16/2009 10:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49013 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		100	14
11104-28-2	PCB-1221	ND		100	15
11141-16-5	PCB-1232	ND		100	23
53469-21-9	PCB-1242	ND		100	64
12672-29-6	PCB-1248	ND		100	22
11097-69-1	PCB-1254	ND		100	26
11096-82-5	PCB-1260	ND		100	28
37324-23-5	PCB-1262	ND		100	14
11100-14-4	PCB-1268	ND		100	21

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	93	30-150	
877-09-8	Tetrachloro-m-xylene	91	30-150	

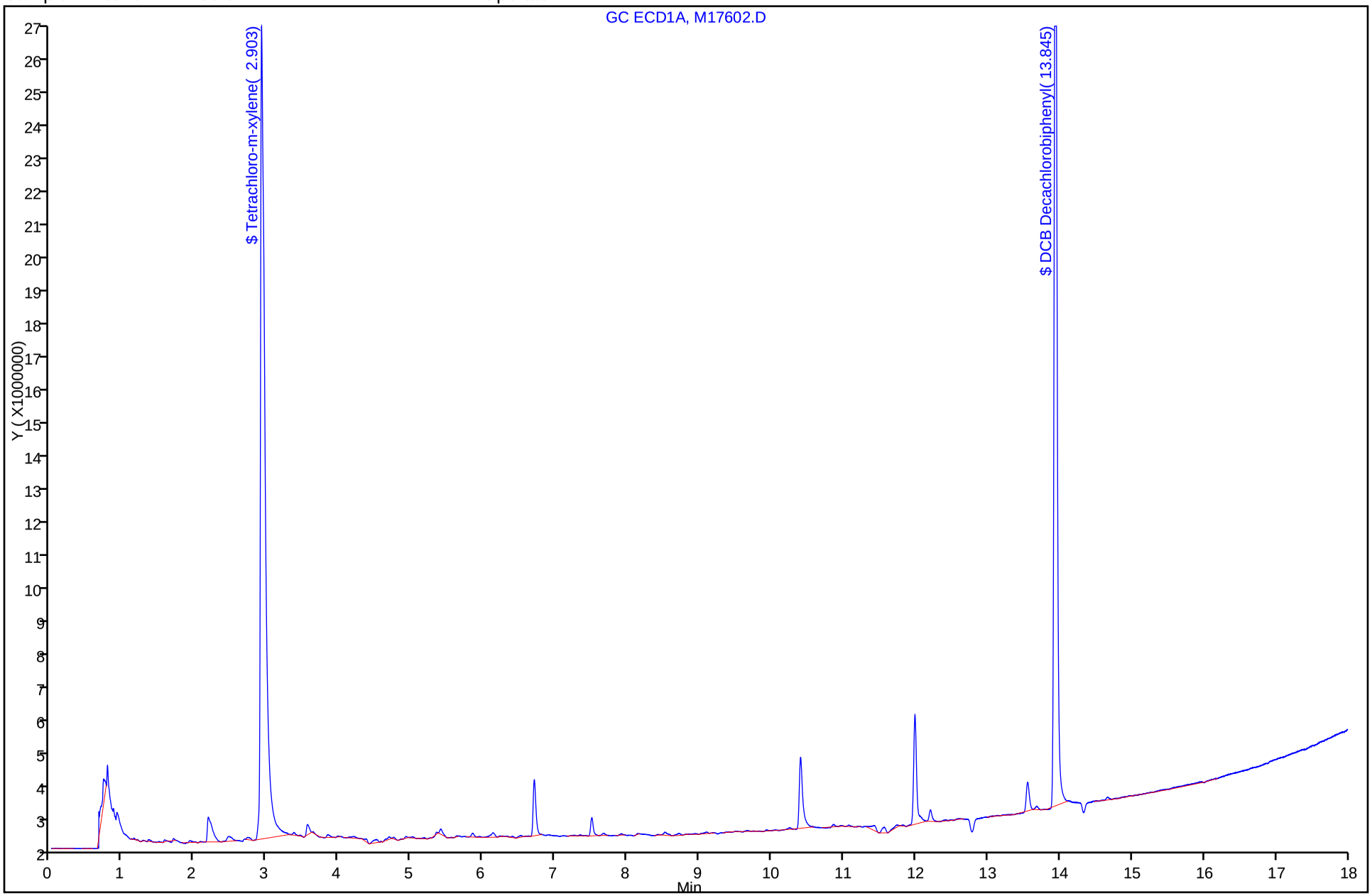
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17602.D		
Lims ID:	MB 360-49010/1-A	Client ID:	
Inject. Date:	16-Sep-2009 10:52:18	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49010/1-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	49013	Lims Sample ID:	2
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\8082M.m		
Last Update:	17-Sep-2009 14:36:39	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	16-Sep-2009 11:19:51
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:37:16

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.903	2.904	-0.001	2075609904	27.2	
2	2.697	2.697	0.000	778397581	29.5	
$ 1 DCB Decachlorobiphenyl						
1	13.845	13.846	-0.001	1694818299	27.8	
2	14.311	14.311	0.000	647253151	26.4	

Report Date: 17-Sep-2009 14:37:16 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17602.D		
Inj Date:	16-Sep-2009 10:52:18	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49013	Lims Sample ID:	2
Client ID:		Instrument:	Inst. M
Sample Info:	MB 360-49010/1-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCS 360-49010/2-A
Matrix: Solid
Lab File ID: M17603.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3546
Date Extracted: 09/16/2009 09:18
Sample wt/vol: 10.00(g)
Date Analyzed: 09/16/2009 11:13
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
GC Column: RTX-CLPest1 ID: 0.32(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49013
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	414		100	14
11096-82-5	PCB-1260	459		100	28

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	92	30-150	
877-09-8	Tetrachloro-m-xylene	87	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

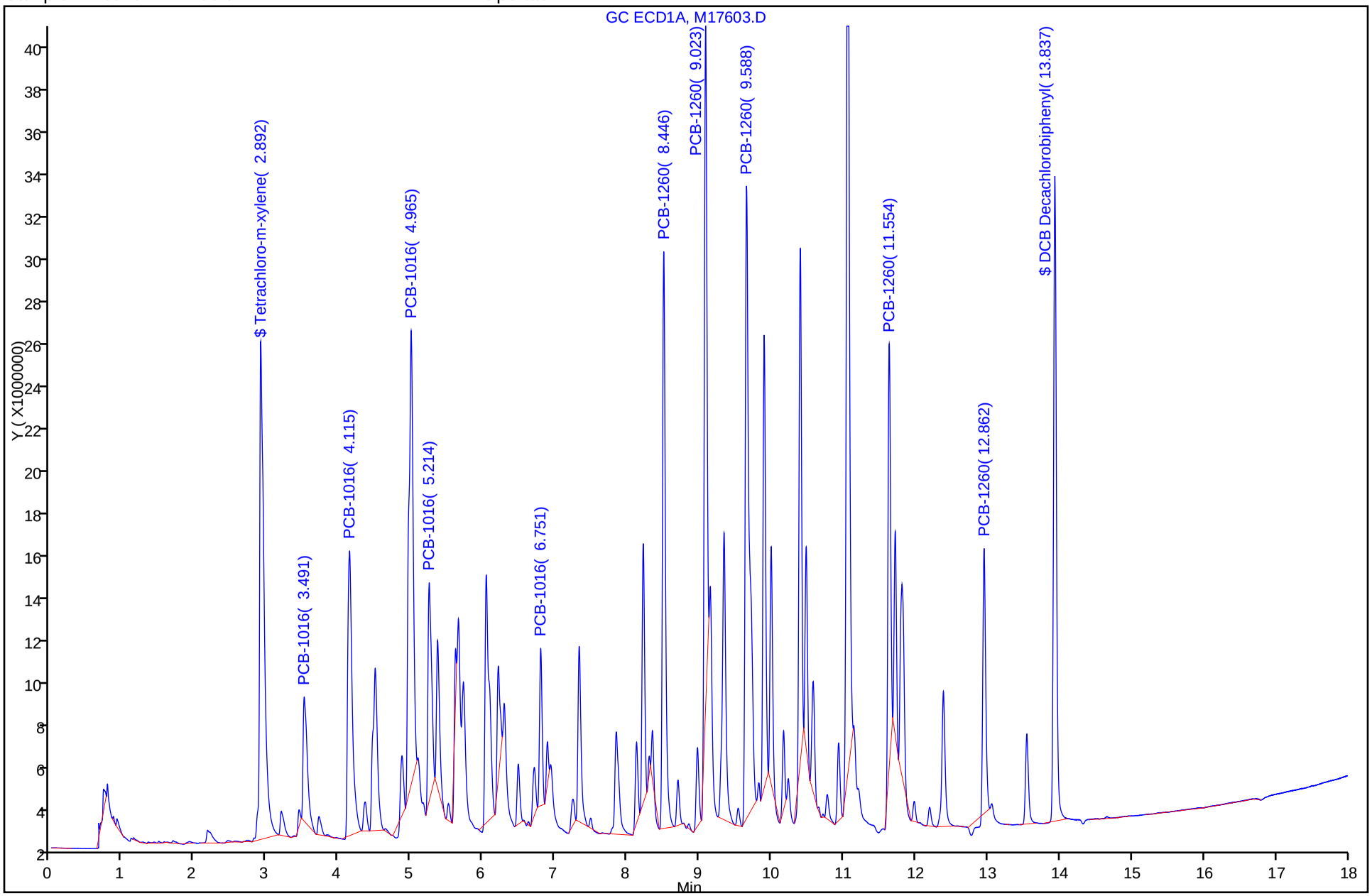
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17603.D		
Lims ID:	LCS 360-49010/2-A	Client ID:	
Inject. Date:	16-Sep-2009 11:13:43	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49010/2-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	49013	Lims Sample ID:	3
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\8082M.m		
Last Update:	17-Sep-2009 14:36:39	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	16-Sep-2009 11:34:10
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:40:31

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.892	2.904	-0.012	2002794976	26.2	
2	2.693	2.697	-0.004	739466400	28.2	
2 PCB-1016						
1	3.491	3.504	-0.013	468771776	414.9	
1	4.115	4.129	-0.014	1152469272	411.5	
1	4.965	4.980	-0.015	1809604656	439.0	
1	5.214	5.227	-0.013	701570880	440.2	
1	6.751	6.765	-0.015	361708640	363.4	
		Average of Peak Amounts =			413.8	
2	3.469	3.475	-0.006	197865408	415.0	
2	4.180	4.185	-0.005	436806432	425.1	
2	5.007	5.009	-0.002	913842400	429.2	
2	5.252	5.255	-0.003	355907776	421.3	
2	6.387	6.389	-0.002	331616512	422.3	
		Average of Peak Amounts =			422.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.446	8.459	-0.013	1552423328	448.6	
1	9.023	9.035	-0.012	1546505648	425.1	
1	9.588	9.599	-0.011	2347112384	433.1	
1	11.554	11.564	-0.010	982684720	474.6	
1	12.862	12.870	-0.008	603044544	514.8	
		Average of Peak Amounts =			459.2	
2	8.689	8.691	-0.002	560173120	440.8	
2	9.147	9.149	-0.002	727259136	434.7	
2	10.050	10.052	-0.002	505900960	504.9	
2	10.632	10.634	-0.002	564437664	500.8	
2	11.911	11.913	-0.002	735300288	490.5	
		Average of Peak Amounts =			474.3	
$ 1 DCB Decachlorobiphenyl						
1	13.837	13.846	-0.009	1677695808	27.5	
2	14.309	14.311	-0.002	662697760	27.0	

Report Date: 17-Sep-2009 14:40:32 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17603.D		
Inj Date:	16-Sep-2009 11:13:43	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49013	Lims Sample ID:	3
Client ID:		Instrument:	Inst. M
Sample Info:	LCS 360-49010/2-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Client Sample ID:
Lab Sample ID: LCSD 360-49010/3-A
Matrix: Solid
Lab File ID: M17604.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3546
Date Extracted: 09/16/2009 09:18
Sample wt/vol: 10.00(g)
Date Analyzed: 09/16/2009 11:35
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
GC Column: RTX-CLPest1 ID: 0.32(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49013
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	427		100	14
11096-82-5	PCB-1260	469		100	28

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	94	30-150	
877-09-8	Tetrachloro-m-xylene	89	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

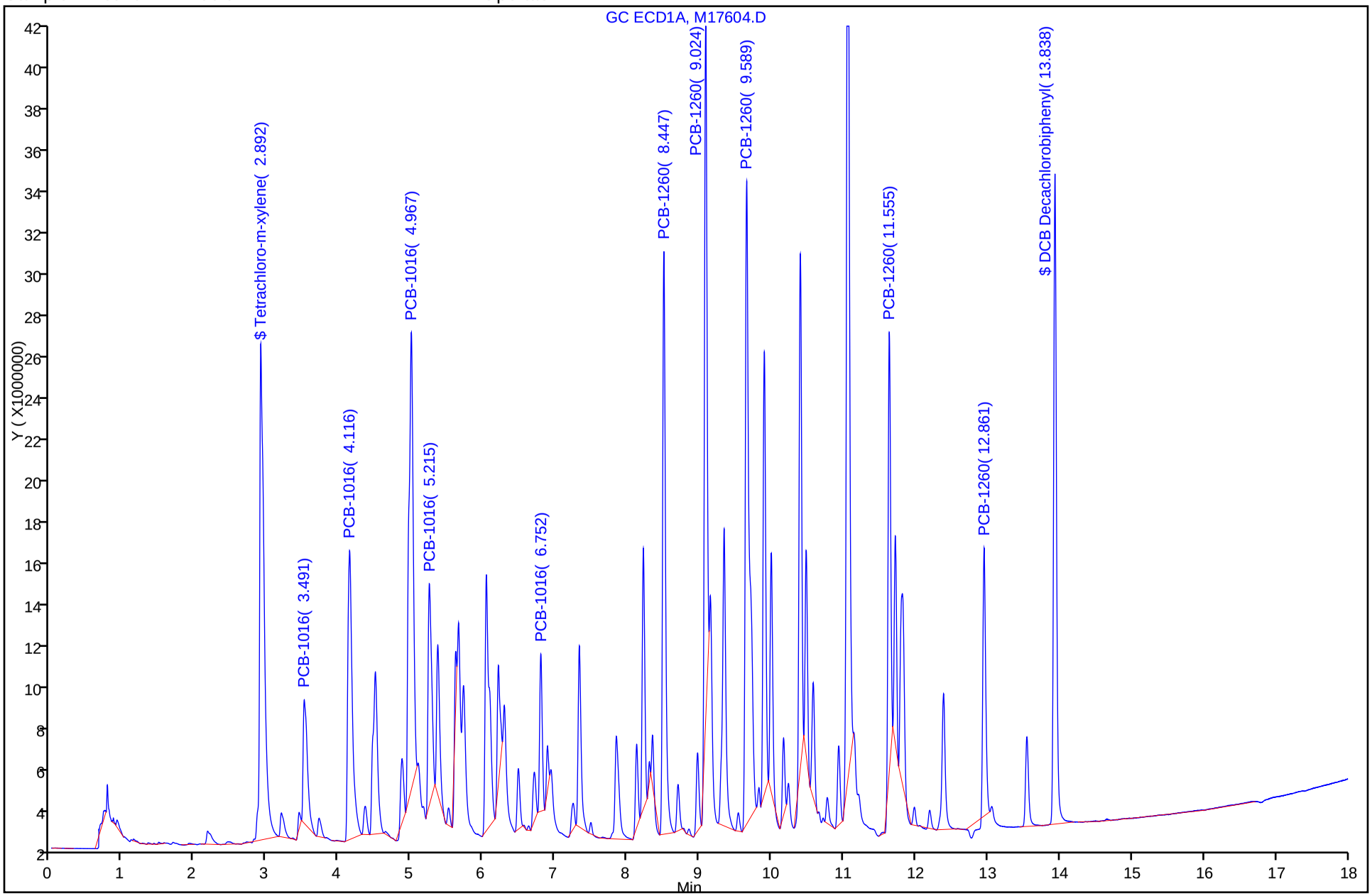
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17604.D		
Lims ID:	LCSD 360-49010/3-A	Client ID:	
Inject. Date:	16-Sep-2009 11:35:19	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-49010/3-A		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	49013	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\8082M.m		
Last Update:	17-Sep-2009 14:36:39	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	16-Sep-2009 12:51:54
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:41:14

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.892	2.904	-0.012	2040186535	26.7	
2	2.693	2.697	-0.004	763254366	29.0	
2 PCB-1016						
1	3.491	3.504	-0.013	484137392	428.5	
1	4.116	4.129	-0.013	1196889600	427.4	
1	4.967	4.980	-0.013	1873195552	454.4	
1	5.215	5.227	-0.012	725652096	455.3	
1	6.752	6.765	-0.013	369930672	371.7	
		Average of Peak Amounts =			427.5	
2	3.470	3.475	-0.005	200528352	420.6	
2	4.182	4.185	-0.003	448396912	436.4	
2	5.007	5.009	-0.002	947119968	444.8	
2	5.253	5.255	-0.002	367930880	435.5	
2	6.387	6.389	-0.002	338101312	430.5	
		Average of Peak Amounts =			433.6	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.447	8.459	-0.012	1578600656	456.2	
1	9.024	9.035	-0.011	1601875744	440.3	
1	9.589	9.599	-0.010	2400246944	442.9	
1	11.555	11.564	-0.009	1008185290	486.9	
1	12.861	12.870	-0.009	607763797	518.8	
		Average of Peak Amounts =			469.0	
2	8.690	8.691	-0.001	571183168	449.4	
2	9.148	9.149	-0.001	740396976	442.6	
2	10.051	10.052	-0.001	516788528	515.8	
2	10.634	10.634	0.000	575215648	510.3	
2	11.912	11.913	-0.001	767425280	511.9	
		Average of Peak Amounts =			486.0	
$ 1 DCB Decachlorobiphenyl						
1	13.838	13.846	-0.008	1722509056	28.2	
2	14.310	14.311	-0.001	676961460	27.6	

Report Date: 17-Sep-2009 14:41:15 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-1.b\M17604.D		
Inj Date:	16-Sep-2009 11:35:19	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49013	Lims Sample ID:	4
Client ID:		Instrument:	Inst. M
Sample Info:	LCSD 360-49010/3-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MS | Lab Sample ID: 360-24582-22 MS

Matrix: Solid | Lab File ID: M17629.D

Analysis Method: 8082 | Date Collected: 09/15/2009 12:40

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.16(g) | Date Analyzed: 09/16/2009 20:45

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	451		110	15
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	69
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	516		110	30
37324-23-5	PCB-1262	ND		110	15
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	81	30-150	
877-09-8	Tetrachloro-m-xylene	95	30-150	

Report Date: 17-Sep-2009 14:52:33 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

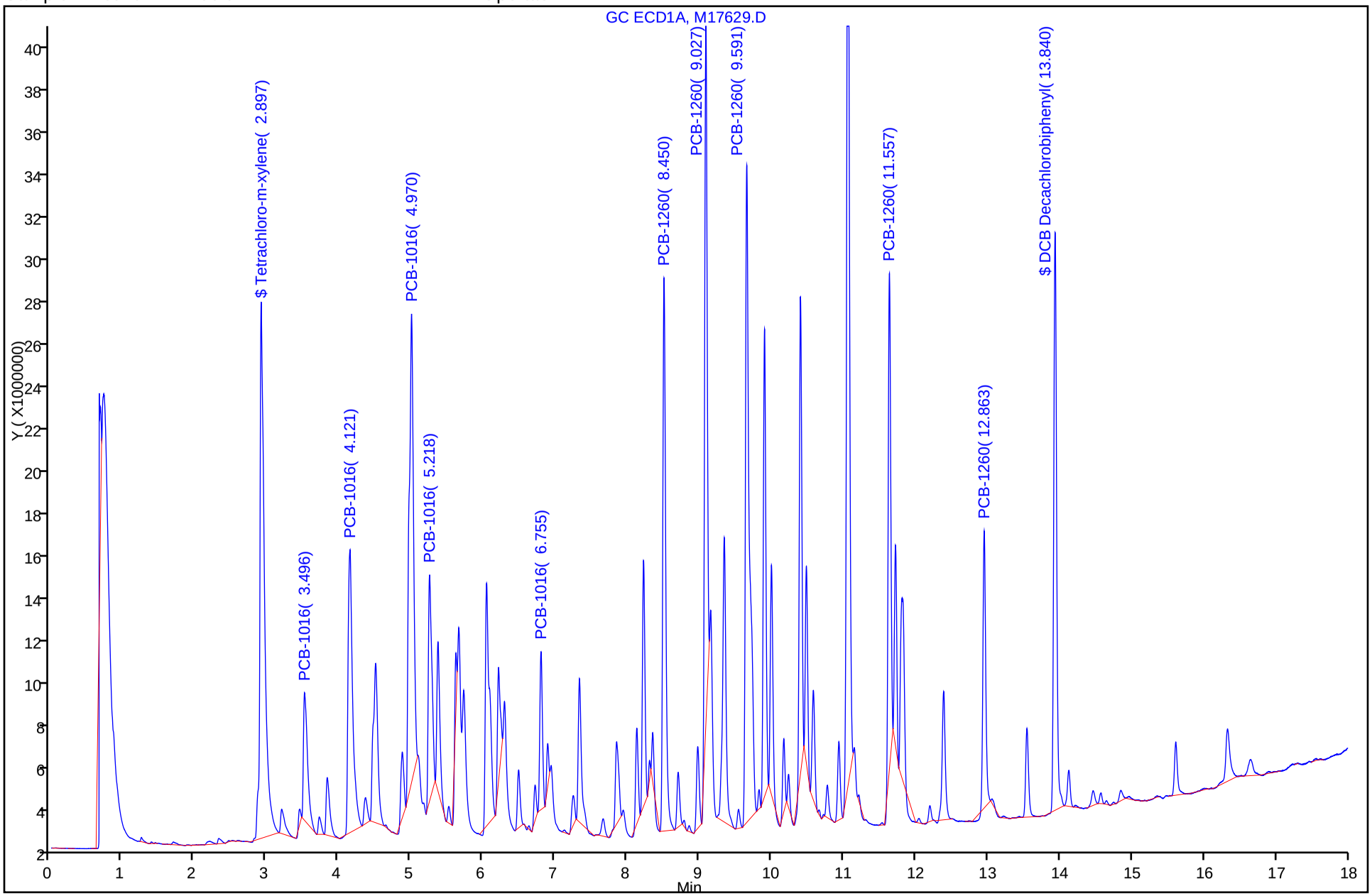
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17629.D		
Lims ID:	360-24582-A-22-B MS	Client ID:	OC-SS-416-0.0/1.0-XMS
Inject. Date:	16-Sep-2009 20:45:49	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	360-24582-A-22-B MS		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	28
Lims Batch ID:	49051	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 08:00:24
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:47:00
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:52:33

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.897	2.894	0.003	2178599888	28.6	
2	2.698	2.696	0.002	753619488	28.7	
2 PCB-1016						
1	3.496	3.493	0.003	464374624	411.1	
1	4.121	4.117	0.004	1156814368	413.1	
1	4.970	4.968	0.002	1856373280	450.4	
1	5.218	5.216	0.002	711198016	446.2	
1	6.755	6.751	0.004	367534336	369.3	
		Average of Peak Amounts =			418.0	
2	3.475	3.473	0.002	177244928	371.8	
2	4.186	4.183	0.003	417052208	405.9	
2	5.012	5.009	0.003	940864176	441.9	
2	5.257	5.255	0.002	365787776	433.0	
2	6.392	6.389	0.003	343482528	437.4	
		Average of Peak Amounts =			418.0	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.450	8.448	0.002	1457385920	421.1	
1	9.027	9.023	0.004	1563802496	429.9	
1	9.591	9.588	0.003	2336491920	431.2	
1	11.557	11.556	0.001	1124788291	543.2	
1	12.863	12.862	0.001	664672160	567.4	
		Average of Peak Amounts =			478.6	
2	8.694	8.691	0.003	538088512	423.4	
2	9.151	9.150	0.001	676173200	404.2	
2	10.055	10.052	0.003	495929456	495.0	
2	10.637	10.634	0.003	547406768	485.7	
2	11.916	11.913	0.003	777456704	518.6	
		Average of Peak Amounts =			465.4	
$ 1 DCB Decachlorobiphenyl						
1	13.840	13.838	0.002	1490753304	24.4	
2	14.313	14.311	0.002	542807520	22.1	

Report Date: 17-Sep-2009 14:52:33 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17629.D		
Inj Date:	16-Sep-2009 20:45:49	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	10
Client ID:	OC-SS-416-0.0/1.0-XMS	Instrument:	Inst. M
Sample Info:	360-24582-A-22-B MS		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24582-1

SDG No.: OCRI-15

Client Sample ID: OC-SS-416-0.0/1.0-XXX MSD | Lab Sample ID: 360-24582-22 MSD

Matrix: Solid | Lab File ID: M17630.D

Analysis Method: 8082 | Date Collected: 09/15/2009 12:40

Extraction Method: 3546 | Date Extracted: 09/16/2009 11:57

Sample wt/vol: 10.39(g) | Date Analyzed: 09/16/2009 21:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | GC Column: RTX-CLPest1 ID: 0.32(mm)

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49051 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	451		110	14
11104-28-2	PCB-1221	ND		110	16
11141-16-5	PCB-1232	ND		110	25
53469-21-9	PCB-1242	ND		110	68
12672-29-6	PCB-1248	ND		110	24
11097-69-1	PCB-1254	ND		110	28
11096-82-5	PCB-1260	516		110	29
37324-23-5	PCB-1262	ND		110	14
11100-14-4	PCB-1268	ND		110	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
2051-24-3	DCB Decachlorobiphenyl	81	30-150	
877-09-8	Tetrachloro-m-xylene	92	30-150	

TestAmerica Laboratories
Target Compound Quantitation Report

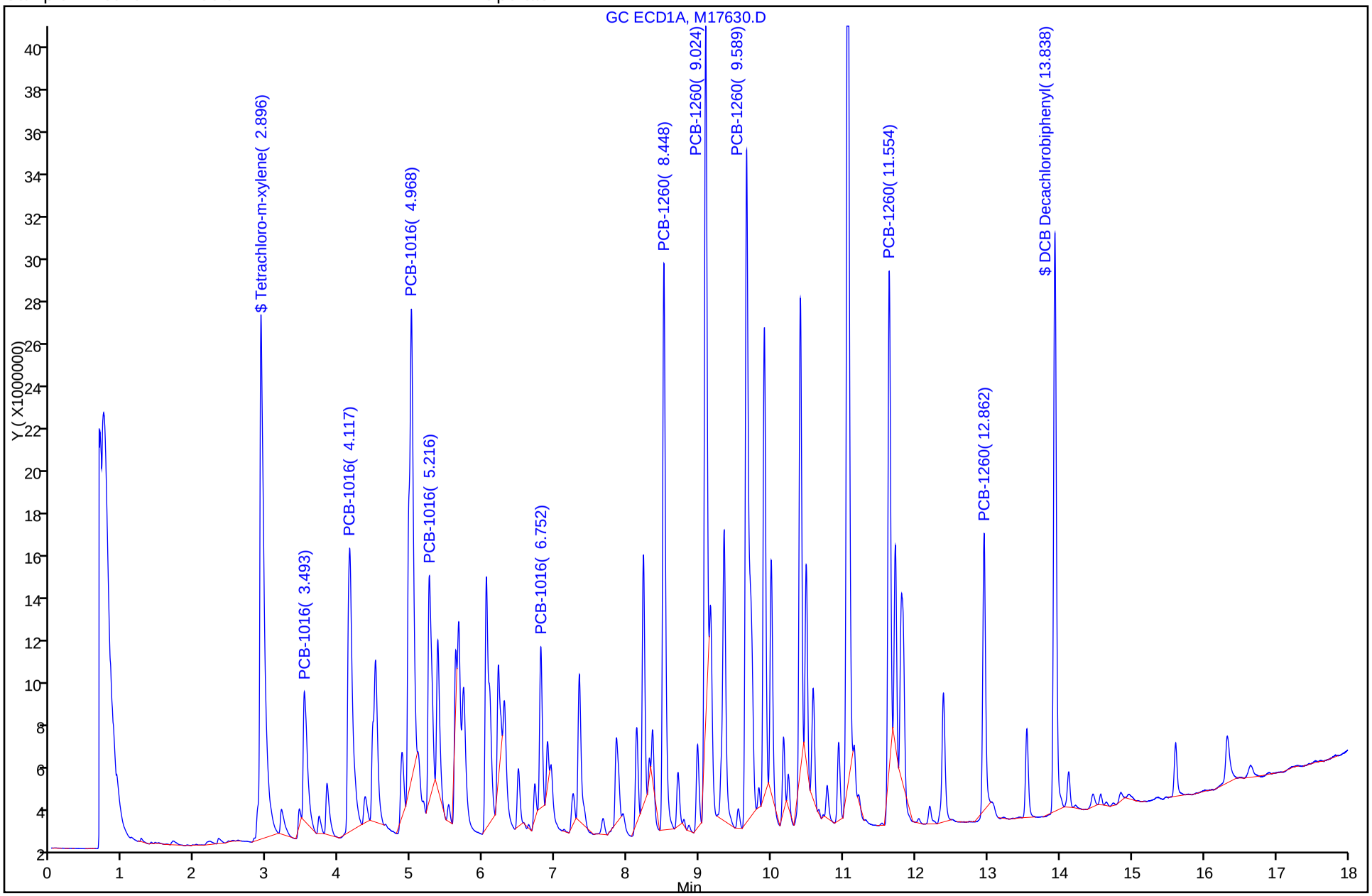
Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17630.D		
Lims ID:	360-24582-A-22-C MSD	Client ID:	OC-SS-416-0.0/1.0-MSD
Inject. Date:	16-Sep-2009 21:07:12	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	360-24582-A-22-C MSD		
Operator:	MZ	Instrument ID:	Inst. M
Vol. Injected:	2.0000	ALS Bottle#:	29
Lims Batch ID:	49051	Lims Sample ID:	11
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\8082M.m		
Last Update:	17-Sep-2009 14:49:07	Calib Date:	08-Sep-2009 15:22:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTM.i\20090908-1.b\M17536.D		
Limit Group:	GC - 8082 PCB		
Integrator:	Genie		
Process Host:	WESSEMIDTRDR		
Reviewed By:	zuccalam	Date:	17-Sep-2009 08:01:04
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:47:17
Reviewed By:	zuccalam	Date:	17-Sep-2009 14:52:56

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 11 Tetrachloro-m-xylene						
1	2.896	2.894	0.002	2095869088	27.5	
2	2.697	2.696	0.001	740676544	28.3	
2 PCB-1016						
1	3.493	3.493	0.000	478922528	423.9	
1	4.117	4.117	0.000	1185684448	423.4	
1	4.968	4.968	0.000	1873460496	454.5	
1	5.216	5.216	0.000	727618304	456.6	
1	6.752	6.751	0.001	379133328	380.9	
		Average of Peak Amounts =			427.9	
2	3.473	3.473	0.000	175831840	368.8	
2	4.184	4.183	0.001	425568768	414.2	
2	5.010	5.009	0.001	949323552	445.8	
2	5.255	5.255	0.000	368508384	436.2	
2	6.390	6.389	0.001	352421760	448.8	
		Average of Peak Amounts =			422.8	

Det	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
8 PCB-1260						
1	8.448	8.448	0.000	1501798656	434.0	
1	9.024	9.023	0.001	1590889312	437.3	
1	9.589	9.588	0.001	2390333248	441.1	
1	11.554	11.556	-0.002	1134867402	548.1	
1	12.862	12.862	0.000	685409888	585.1	
		Average of Peak Amounts =			489.1	
2	8.692	8.691	0.001	529993222	417.0	
2	9.149	9.150	-0.001	751236896	449.0	
2	10.053	10.052	0.001	504708736	503.7	
2	10.634	10.634	0.000	556694336	493.9	
2	11.913	11.913	0.000	780190752	520.4	
		Average of Peak Amounts =			476.8	
$ 1 DCB Decachlorobiphenyl						
1	13.838	13.838	0.000	1490253768	24.4	
2	14.311	14.311	0.000	544624321	22.2	

Report Date: 17-Sep-2009 14:52:56 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTM.i\20090916-2.b\M17630.D		
Inj Date:	16-Sep-2009 21:07:12	Limit Group:	GC - 8082 PCB
Lims Batch ID:	49051	Lims Sample ID:	11
Client ID:	OC-SS-416-0.0/1.0-MSD	Instrument:	Inst. M
Sample Info:	360-24582-A-22-C MSD		
Sample Amount:	2.00 uL	Operator:	MZ



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Start Date: 09/08/2009 11:25

Analysis Batch Number: 48689 End Date: 09/08/2009 15:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD12211254 360-48689/1 IC		09/08/2009 11:25	1	M17525.D	RTX-CLPest1 0.32(mm)
STD12211254 360-48689/1 IC		09/08/2009 11:25	1	M17525.D	RTX-CLPest2 0.32(mm)
STD1232 360-48689/2 IC		09/08/2009 11:47	1	M17526.D	RTX-CLPest1 0.32(mm)
STD1232 360-48689/2 IC		09/08/2009 11:47	1	M17526.D	RTX-CLPest2 0.32(mm)
STD1242 360-48689/3 IC		09/08/2009 12:08	1	M17527.D	RTX-CLPest1 0.32(mm)
STD1242 360-48689/3 IC		09/08/2009 12:08	1	M17527.D	RTX-CLPest2 0.32(mm)
STD1248 360-48689/4 IC		09/08/2009 12:30	1	M17528.D	RTX-CLPest1 0.32(mm)
STD1248 360-48689/4 IC		09/08/2009 12:30	1	M17528.D	RTX-CLPest2 0.32(mm)
STD1262 360-48689/5 IC		09/08/2009 12:51	1	M17529.D	RTX-CLPest1 0.32(mm)
STD1262 360-48689/5 IC		09/08/2009 12:51	1	M17529.D	RTX-CLPest2 0.32(mm)
STD1268 360-48689/6 IC		09/08/2009 13:13	1	M17530.D	RTX-CLPest1 0.32(mm)
STD1268 360-48689/6 IC		09/08/2009 13:13	1	M17530.D	RTX-CLPest2 0.32(mm)
STD1000 360-48689/7 ICRTAV		09/08/2009 13:34	1	M17531.D	RTX-CLPest1 0.32(mm)
STD1000 360-48689/7 ICRTAV		09/08/2009 13:34	1	M17531.D	RTX-CLPest2 0.32(mm)
STD50 360-48689/8 IC		09/08/2009 13:56	1	M17532.D	RTX-CLPest1 0.32(mm)
STD50 360-48689/8 IC		09/08/2009 13:56	1	M17532.D	RTX-CLPest2 0.32(mm)
STD100 360-48689/9 IC		09/08/2009 14:17	1	M17533.D	RTX-CLPest1 0.32(mm)
STD100 360-48689/9 IC		09/08/2009 14:17	1	M17533.D	RTX-CLPest2 0.32(mm)
STD200 360-48689/10 IC		09/08/2009 14:39	1	M17534.D	RTX-CLPest1 0.32(mm)
STD200 360-48689/10 IC		09/08/2009 14:39	1	M17534.D	RTX-CLPest2 0.32(mm)
STD500 360-48689/11 IC		09/08/2009 15:00	1	M17535.D	RTX-CLPest1 0.32(mm)
STD500 360-48689/11 IC		09/08/2009 15:00	1	M17535.D	RTX-CLPest2 0.32(mm)
STD2000 360-48689/12 IC		09/08/2009 15:22	1	M17536.D	RTX-CLPest1 0.32(mm)
STD2000 360-48689/12 IC		09/08/2009 15:22	1	M17536.D	RTX-CLPest2 0.32(mm)
ICV 360-48689/13		09/08/2009 15:43	1		RTX-CLPest1 0.32(mm)
ICV 360-48689/13		09/08/2009 15:43	1		RTX-CLPest2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Start Date: 09/16/2009 10:17

Analysis Batch Number: 49013 End Date: 09/16/2009 17:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-49013/1		09/16/2009 10:17	1	M17601.D	RTX-CLPest1 0.32(mm)
CCVRT 360-49013/1		09/16/2009 10:17	1		RTX-CLPest2 0.32(mm)
MB 360-49010/1-A		09/16/2009 10:52	1	M17602.D	RTX-CLPest1 0.32(mm)
MB 360-49010/1-A		09/16/2009 10:52	1	M17602.D	RTX-CLPest2 0.32(mm)
LCS 360-49010/2-A		09/16/2009 11:13	1	M17603.D	RTX-CLPest1 0.32(mm)
LCS 360-49010/2-A		09/16/2009 11:13	1	M17603.D	RTX-CLPest2 0.32(mm)
LCSD 360-49010/3-A		09/16/2009 11:35	1	M17604.D	RTX-CLPest1 0.32(mm)
LCSD 360-49010/3-A		09/16/2009 11:35	1	M17604.D	RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 11:56	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 11:56	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 12:18	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 12:18	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 12:39	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 12:39	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 13:01	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 13:01	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 13:22	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 13:22	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 13:44	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 13:44	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 14:05	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 14:05	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 14:39	10		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 14:39	10		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 15:01	5		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 15:01	5		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 15:22	5		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 15:22	5		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 15:44	10		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 15:44	10		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 16:05	5		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 16:05	5		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 16:27	10		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 16:27	10		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 16:48	5		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 16:48	5		RTX-CLPest2 0.32(mm)
CCV 360-49013/19		09/16/2009 17:10	1	M17619.D	RTX-CLPest1 0.32(mm)
CCV 360-49013/19		09/16/2009 17:10	1		RTX-CLPest2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Start Date: 09/16/2009 17:31

Analysis Batch Number: 49051 End Date: 09/16/2009 21:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-49051/1		09/16/2009 17:31	1	M17620.D	RTX-CLPest1 0.32(mm)
CCVRT 360-49051/1		09/16/2009 17:31	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 17:53	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 17:53	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/16/2009 18:15	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/16/2009 18:15	1		RTX-CLPest2 0.32(mm)
360-24582-14	OC-SS-409-0.0/1.0-XXX	09/16/2009 18:36	1	M17623.D	RTX-CLPest1 0.32(mm)
360-24582-14	OC-SS-409-0.0/1.0-XXX	09/16/2009 18:36	1	M17623.D	RTX-CLPest2 0.32(mm)
360-24582-15	OC-SS-410-0.0/1.0-XXX	09/16/2009 18:57	1	M17624.D	RTX-CLPest1 0.32(mm)
360-24582-15	OC-SS-410-0.0/1.0-XXX	09/16/2009 18:57	1	M17624.D	RTX-CLPest2 0.32(mm)
360-24582-17	OC-SS-412-0.0/1.0-XXX	09/16/2009 19:19	1	M17625.D	RTX-CLPest1 0.32(mm)
360-24582-17	OC-SS-412-0.0/1.0-XXX	09/16/2009 19:19	1	M17625.D	RTX-CLPest2 0.32(mm)
360-24582-18	OC-SS-413-0.0/1.0-XXX	09/16/2009 19:41	1	M17626.D	RTX-CLPest1 0.32(mm)
360-24582-18	OC-SS-413-0.0/1.0-XXX	09/16/2009 19:41	1	M17626.D	RTX-CLPest2 0.32(mm)
360-24582-21	OC-SS-416-0.0/1.0-DUP	09/16/2009 20:02	1	M17627.D	RTX-CLPest1 0.32(mm)
360-24582-21	OC-SS-416-0.0/1.0-DUP	09/16/2009 20:02	1	M17627.D	RTX-CLPest2 0.32(mm)
360-24582-22	OC-SS-416-0.0/1.0-XXX	09/16/2009 20:24	1	M17628.D	RTX-CLPest1 0.32(mm)
360-24582-22	OC-SS-416-0.0/1.0-XXX	09/16/2009 20:24	1	M17628.D	RTX-CLPest2 0.32(mm)
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	09/16/2009 20:45	1	M17629.D	RTX-CLPest1 0.32(mm)
360-24582-22 MS	OC-SS-416-0.0/1.0-XXX MS	09/16/2009 20:45	1	M17629.D	RTX-CLPest2 0.32(mm)
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	09/16/2009 21:07	1	M17630.D	RTX-CLPest1 0.32(mm)
360-24582-22 MSD	OC-SS-416-0.0/1.0-XXX MSD	09/16/2009 21:07	1	M17630.D	RTX-CLPest2 0.32(mm)
CCV 360-49051/12		09/16/2009 21:28	1	M17631.D	RTX-CLPest1 0.32(mm)
CCV 360-49051/12		09/16/2009 21:28	1		RTX-CLPest2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Inst. M Start Date: 09/17/2009 12:23

Analysis Batch Number: 49100 End Date: 09/17/2009 16:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-49100/1		09/17/2009 12:23	1	M17631.D	RTX-CLPest1 0.32(mm)
CCVRT 360-49100/1		09/17/2009 12:23	1		RTX-CLPest2 0.32(mm)
360-24582-8	OC-SS-403-0.0/1.0-XXX	09/17/2009 13:41	10	M17632.D	RTX-CLPest1 0.32(mm)
360-24582-8	OC-SS-403-0.0/1.0-XXX	09/17/2009 13:41	10	M17632.D	RTX-CLPest2 0.32(mm)
360-24582-9	OC-SS-404-0.0/1.0-XXX	09/17/2009 14:03	5	M17633.D	RTX-CLPest1 0.32(mm)
360-24582-9	OC-SS-404-0.0/1.0-XXX	09/17/2009 14:03	5	M17633.D	RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 14:24	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 14:24	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 14:46	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 14:46	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 15:07	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 15:07	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 15:29	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 15:29	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 15:50	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 15:50	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 16:12	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 16:12	1		RTX-CLPest2 0.32(mm)
ZZZZZ		09/17/2009 16:33	1		RTX-CLPest1 0.32(mm)
ZZZZZ		09/17/2009 16:33	1		RTX-CLPest2 0.32(mm)
CCV 360-49100/11		09/17/2009 16:55	1	M17641.D	RTX-CLPest1 0.32(mm)
CCV 360-49100/11		09/17/2009 16:55	1		RTX-CLPest2 0.32(mm)

8082

Organic Prep Worksheet

Batch Number: 360-49010
Method: 3546
Analyst: Zuccala, Marissa

Date Open: Sep 16 2009 9:18AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	OP-pcbspk_00060	OP-pest/pc_00128
MB~360-49010/1		3546, 8082		10.00 g	10 mL		1.0 mL
LCS~360-49010/2		3546, 8082		10.00 g	10 mL	1.0 mL	1.0 mL
LCSD~360-49010/3		3546, 8082		10.00 g	10 mL	1.0 mL	1.0 mL
360-24606-A-1	R01090507BE-0428 FX-050		T	10.98 g	10 mL		1.0 mL
360-24606-A-2	R01090507BE-0429 FX-051		T	10.58 g	10 mL		1.0 mL
360-24606-A-3	R01090507BE-0430 FX-052		T	10.76 g	10 mL		1.0 mL
360-24606-A-4	R01090507BE-0431 FX-053		T	10.59 g	10 mL		1.0 mL
360-24606-A-5	R01090507BE-0432 FX-054		T	10.65 g	10 mL		1.0 mL
360-24606-A-6	R01090507BE-0433 FX-055		T	10.46 g	10 mL		1.0 mL
360-24606-A-7	R01090507BE-0434 FX-056		T	10.02 g	10 mL		1.0 mL
360-24582-A-8	OC-SS-403-0.0/1.0-XX X	3546, 8082	T	10.52 g	10 mL		1.0 mL
360-24582-A-9	OC-SS-404-0.0/1.0-XX X	3546, 8082	T	10.78 g	10 mL		1.0 mL
360-24582-A-14	OC-SS-409-0.0/1.0-XX X	3546, 8082	T	10.59 g	10 mL		1.0 mL
360-24582-A-15	OC-SS-410-0.0/1.0-XX X	3546, 8082	T	10.41 g	10 mL		1.0 mL
360-24582-A-17	OC-SS-412-0.0/1.0-XX X	3546, 8082	T	10.29 g	10 mL		1.0 mL
360-24582-A-18	OC-SS-413-0.0/1.0-XX X	3546, 8082	T	10.26 g	10 mL		1.0 mL
360-24582-A-21	OC-SS-416-0.0/1.0-DU P	3546, 8082	T	10.28 g	10 mL		1.0 mL
360-24582-A-22	OC-SS-416-0.0/1.0-XX X	3546, 8082	T	10.31 g	10 mL		1.0 mL
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XM S	3546, 8082	T	10.16 g	10 mL	1.0 mL	1.0 mL
360-24582-A-22~MS D	OC-SS-416-0.0/1.0-MS D	3546, 8082	T	10.39 g	10 mL	1.0 mL	1.0 mL
360-24606-A-2	R01090507BE-0429 FX-051		T	10.40 g	10 mL		1.0 mL
360-24606-A-3	R01090507BE-0430 FX-052		T	10.40 g	10 mL		1.0 mL

Organic Prep Worksheet

Batch Number: 360-49010
Method: 3546
Analyst: Zuccala, Marissa

Date Open: Sep 16 2009 9:18AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-49010/1		3546, 8082		
LCS~360-49010/2		3546, 8082		
LCSD~360-49010/3		3546, 8082		
360-24606-A-1	R01090507BE-0428 FX-050		T	
360-24606-A-2	R01090507BE-0429 FX-051		T	
360-24606-A-3	R01090507BE-0430 FX-052		T	
360-24606-A-4	R01090507BE-0431 FX-053		T	
360-24606-A-5	R01090507BE-0432 FX-054		T	
360-24606-A-6	R01090507BE-0433 FX-055		T	
360-24606-A-7	R01090507BE-0434 FX-056		T	
360-24582-A-8	OC-SS-403-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-9	OC-SS-404-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-14	OC-SS-409-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-15	OC-SS-410-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-17	OC-SS-412-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-18	OC-SS-413-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-21	OC-SS-416-0.0/1.0-DU P	3546, 8082	T	
360-24582-A-22	OC-SS-416-0.0/1.0-XX X	3546, 8082	T	
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XM S	3546, 8082	T	
360-24582-A-22~MS D	OC-SS-416-0.0/1.0-MS D	3546, 8082	T	
360-24606-A-2	R01090507BE-0429 FX-051		T	RX in hold
360-24606-A-3	R01090507BE-0430 FX-052		T	RX in hold

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-457-28/30-XXX	360-24582-1
OC-EBK-010	360-24582-4
OC-SS-400-0.0/1.0-XXX	360-24582-5
OC-SS-401-0.1/1.0-XXX	360-24582-6
OC-SS-402-0.0/1.0-XXX	360-24582-7
OC-SS-404-0.0/1.0-XXX	360-24582-9
OC-SS-405-0.0/1.0-XXX	360-24582-10
OC-SS-406-0.0/1.0.-XXX	360-24582-11
OC-SS-407-0.0/1.0-XXX	360-24582-12
OC-SS-408-0.0/1.0-XXX	360-24582-13
OC-SS-409-0.0/1.0-XXX	360-24582-14
OC-SS-411-0.0/1.0-XXX	360-24582-16
OC-SS-412-0.0/1.0-XXX	360-24582-17
OC-SS-414-0.0/1.0-XXX	360-24582-19
OC-SS-415-0.0/1.0-XXX	360-24582-20
OC-SS-416-0.0/1.0-DUP	360-24582-21
OC-SS-416-0.0/1.0-XXX	360-24582-22

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-1
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: DRY
Date Received: 09/14/2009 17:50
% Solids: 78.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8600	3.8	0.98	mg/Kg			1	6010B
7440-36-0	Antimony	0.29	0.75	0.27	mg/Kg	J		1	6010B
7440-38-2	Arsenic	4.0	1.5	0.14	mg/Kg			1	6010B
7440-39-3	Barium	41	0.75	0.098	mg/Kg			1	6010B
7440-41-7	Beryllium	0.21	0.30	0.038	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.26	0.30	0.011	mg/Kg	J		1	6010B
7440-70-2	Calcium	2800	15	3.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	180	0.75	0.10	mg/Kg			1	6010B
7440-48-4	Cobalt	7.7	0.75	0.098	mg/Kg			1	6010B
7440-50-8	Copper	25	1.5	0.098	mg/Kg			1	6010B
7439-89-6	Iron	19000	7.5	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	3.0	0.75	0.086	mg/Kg			1	6010B
7439-95-4	Magnesium	5200	15	0.75	mg/Kg		B	1	6010B
7439-96-5	Manganese	140	1.5	0.10	mg/Kg			1	6010B
7440-02-0	Nickel	14	1.5	0.098	mg/Kg			1	6010B
7440-09-7	Potassium	2600	300	47	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.75	0.35	mg/Kg			1	6010B
7440-22-4	Silver	2.7	0.75	0.075	mg/Kg			1	6010B
7440-23-5	Sodium	410	150	20	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.5	0.11	mg/Kg			1	6010B
7440-62-2	Vanadium	32	1.5	0.098	mg/Kg			1	6010B
7440-66-6	Zinc	23	3.8	0.88	mg/Kg			1	6010B
7440-31-5	Tin	69	7.5	0.48	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	ND	0.23	0.042	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-EBK-010
Lab Sample ID: 360-24582-4
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Water
Date Sampled: 09/14/2009 13:00
Reporting Basis: WET
Date Received: 09/14/2009 17:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	100	39	ug/L			1	6010B
7440-36-0	Antimony	ND	6.0	2.9	ug/L			1	6010B
7440-39-3	Barium	ND	10	2.0	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.3	ug/L			1	6010B
7440-41-7	Beryllium	ND	1.0	0.20	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.20	ug/L			1	6010B
7440-70-2	Calcium	78	400	59	ug/L	J		1	6010B
7440-47-3	Chromium	ND	5.0	1.3	ug/L			1	6010B
7440-48-4	Cobalt	ND	10	2.0	ug/L			1	6010B
7440-50-8	Copper	29	10	1.7	ug/L			1	6010B
7439-89-6	Iron	110	100	34	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.3	ug/L			1	6010B
7439-95-4	Magnesium	ND	400	50	ug/L			1	6010B
7439-96-5	Manganese	ND	10	1.3	ug/L			1	6010B
7440-02-0	Nickel	ND	10	1.5	ug/L			1	6010B
7440-09-7	Potassium	ND	4000	500	ug/L			1	6010B
7782-49-2	Selenium	3.2	10	2.7	ug/L	J		1	6010B
7440-22-4	Silver	ND	5.0	1.8	ug/L			1	6010B
7440-23-5	Sodium	ND	2000	250	ug/L			1	6010B
7440-31-5	Tin	ND	50	7.0	ug/L			1	6010B
7440-62-2	Vanadium	ND	10	1.5	ug/L			1	6010B
7440-28-0	Thallium	3.0	10	1.4	ug/L	J		1	6010B
7440-66-6	Zinc	ND	50	10	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.065	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-400-0.0/1.0-XXX
Lab Sample ID: 360-24582-5
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 14:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 75.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3600	4.3	1.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.86	0.31	mg/Kg			1	6010B
7440-38-2	Arsenic	8.9	1.7	0.16	mg/Kg			1	6010B
7440-39-3	Barium	13	0.86	0.11	mg/Kg			1	6010B
7440-41-7	Beryllium	0.10	0.35	0.043	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.69	0.35	0.012	mg/Kg			1	6010B
7440-70-2	Calcium	1300	17	4.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	15	0.86	0.11	mg/Kg			1	6010B
7440-48-4	Cobalt	2.9	0.86	0.11	mg/Kg			1	6010B
7440-50-8	Copper	35	1.7	0.11	mg/Kg			1	6010B
7439-89-6	Iron	36000	8.6	1.4	mg/Kg		B	1	6010B
7439-92-1	Lead	53	0.86	0.099	mg/Kg			1	6010B
7439-95-4	Magnesium	170	17	0.86	mg/Kg		B	1	6010B
7439-96-5	Manganese	100	1.7	0.12	mg/Kg			1	6010B
7440-02-0	Nickel	11	1.7	0.11	mg/Kg			1	6010B
7440-09-7	Potassium	360	350	54	mg/Kg			1	6010B
7782-49-2	Selenium	0.41	0.86	0.40	mg/Kg	J	B	1	6010B
7440-22-4	Silver	ND	0.86	0.087	mg/Kg			1	6010B
7440-23-5	Sodium	ND	170	22	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.7	0.12	mg/Kg			1	6010B
7440-62-2	Vanadium	19	1.7	0.11	mg/Kg			1	6010B
7440-66-6	Zinc	19	4.3	1.0	mg/Kg			1	6010B
7440-31-5	Tin	5.3	8.6	0.55	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.12	0.23	0.043	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-401-0.1/1.0-XXX
Lab Sample ID: 360-24582-6
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6600	3.0	0.79	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.61	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	12	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	16	0.61	0.079	mg/Kg			1	6010B
7440-41-7	Beryllium	0.19	0.24	0.030	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.16	0.24	0.0085	mg/Kg	J		1	6010B
7440-70-2	Calcium	890	12	3.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	11	0.61	0.081	mg/Kg			1	6010B
7440-48-4	Cobalt	2.8	0.61	0.079	mg/Kg			1	6010B
7440-50-8	Copper	12	1.2	0.079	mg/Kg			1	6010B
7439-89-6	Iron	8800	6.1	0.97	mg/Kg		B	1	6010B
7439-92-1	Lead	30	0.61	0.070	mg/Kg			1	6010B
7439-95-4	Magnesium	1600	12	0.61	mg/Kg		B	1	6010B
7439-96-5	Manganese	68	1.2	0.081	mg/Kg			1	6010B
7440-02-0	Nickel	8.8	1.2	0.079	mg/Kg			1	6010B
7440-09-7	Potassium	710	240	38	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.61	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.61	0.061	mg/Kg			1	6010B
7440-23-5	Sodium	21	120	16	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.088	mg/Kg			1	6010B
7440-62-2	Vanadium	17	1.2	0.079	mg/Kg			1	6010B
7440-66-6	Zinc	19	3.0	0.72	mg/Kg			1	6010B
7440-31-5	Tin	3.6	6.1	0.39	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.20	0.036	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-402-0.0/1.0-XXX
Lab Sample ID: 360-24582-7
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	4.1	1.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.82	0.30	mg/Kg			1	6010B
7440-38-2	Arsenic	8.2	1.6	0.15	mg/Kg			1	6010B
7440-39-3	Barium	27	0.82	0.11	mg/Kg			1	6010B
7440-41-7	Beryllium	0.32	0.33	0.041	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.49	0.33	0.012	mg/Kg			1	6010B
7440-70-2	Calcium	1200	16	4.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	15	0.82	0.11	mg/Kg			1	6010B
7440-48-4	Cobalt	3.2	0.82	0.11	mg/Kg			1	6010B
7440-50-8	Copper	20	1.6	0.11	mg/Kg			1	6010B
7439-89-6	Iron	18000	8.2	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	48	0.82	0.094	mg/Kg			1	6010B
7439-95-4	Magnesium	820	16	0.82	mg/Kg		B	1	6010B
7439-96-5	Manganese	60	1.6	0.11	mg/Kg			1	6010B
7440-02-0	Nickel	9.6	1.6	0.11	mg/Kg			1	6010B
7440-09-7	Potassium	370	330	51	mg/Kg			1	6010B
7782-49-2	Selenium	0.99	0.82	0.39	mg/Kg		B	1	6010B
7440-22-4	Silver	0.12	0.82	0.083	mg/Kg	J		1	6010B
7440-23-5	Sodium	39	160	21	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.6	0.12	mg/Kg			1	6010B
7440-62-2	Vanadium	44	1.6	0.11	mg/Kg			1	6010B
7440-66-6	Zinc	32	4.1	0.97	mg/Kg			1	6010B
7440-31-5	Tin	5.0	8.2	0.53	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.16	0.25	0.045	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-404-0.0/1.0-XXX
Lab Sample ID: 360-24582-9
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:10
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5100	3.5	0.92	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.71	0.26	mg/Kg			1	6010B
7440-38-2	Arsenic	3.9	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	17	0.71	0.092	mg/Kg			1	6010B
7440-41-7	Beryllium	0.23	0.28	0.035	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.63	0.28	0.0099	mg/Kg			1	6010B
7440-70-2	Calcium	1600	14	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	13	0.71	0.094	mg/Kg			1	6010B
7440-48-4	Cobalt	2.7	0.71	0.092	mg/Kg			1	6010B
7440-50-8	Copper	24	1.4	0.092	mg/Kg			1	6010B
7439-89-6	Iron	8600	7.1	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	27	0.71	0.081	mg/Kg			1	6010B
7439-95-4	Magnesium	1300	14	0.71	mg/Kg		B	1	6010B
7439-96-5	Manganese	110	1.4	0.094	mg/Kg			1	6010B
7440-02-0	Nickel	7.5	1.4	0.092	mg/Kg			1	6010B
7440-09-7	Potassium	820	280	44	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.71	0.33	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.71	0.071	mg/Kg			1	6010B
7440-23-5	Sodium	ND	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	11	1.4	0.092	mg/Kg			1	6010B
7440-66-6	Zinc	200	3.5	0.83	mg/Kg			1	6010B
7440-31-5	Tin	4.7	7.1	0.45	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.46	0.18	0.032	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-405-0.0/1.0-XXX
Lab Sample ID: 360-24582-10
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6000	2.9	0.76	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.58	0.21	mg/Kg			1	6010B
7440-38-2	Arsenic	5.0	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	7.0	0.58	0.076	mg/Kg			1	6010B
7440-41-7	Beryllium	0.16	0.23	0.029	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.11	0.23	0.0081	mg/Kg	J		1	6010B
7440-70-2	Calcium	490	12	2.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	8.0	0.58	0.077	mg/Kg			1	6010B
7440-48-4	Cobalt	2.3	0.58	0.076	mg/Kg			1	6010B
7440-50-8	Copper	4.9	1.2	0.076	mg/Kg			1	6010B
7439-89-6	Iron	6500	5.8	0.93	mg/Kg		B	1	6010B
7439-92-1	Lead	10	0.58	0.066	mg/Kg			1	6010B
7439-95-4	Magnesium	1000	12	0.58	mg/Kg		B	1	6010B
7439-96-5	Manganese	46	1.2	0.078	mg/Kg			1	6010B
7440-02-0	Nickel	6.6	1.2	0.076	mg/Kg			1	6010B
7440-09-7	Potassium	670	230	36	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.58	0.27	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.58	0.059	mg/Kg			1	6010B
7440-23-5	Sodium	ND	120	15	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.084	mg/Kg			1	6010B
7440-62-2	Vanadium	10	1.2	0.076	mg/Kg			1	6010B
7440-66-6	Zinc	17	2.9	0.68	mg/Kg			1	6010B
7440-31-5	Tin	2.6	5.8	0.37	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.17	0.032	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-406-0.0/1.0.-XXX
Lab Sample ID: 360-24582-11
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 08:35
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	3.9	1.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.79	0.28	mg/Kg			1	6010B
7440-38-2	Arsenic	6.8	1.6	0.14	mg/Kg			1	6010B
7440-39-3	Barium	17	0.79	0.10	mg/Kg			1	6010B
7440-41-7	Beryllium	0.27	0.31	0.039	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.23	0.31	0.011	mg/Kg	J		1	6010B
7440-70-2	Calcium	600	16	3.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	14	0.79	0.10	mg/Kg			1	6010B
7440-48-4	Cobalt	2.6	0.79	0.10	mg/Kg			1	6010B
7440-50-8	Copper	12	1.6	0.10	mg/Kg			1	6010B
7439-89-6	Iron	13000	7.9	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	33	0.79	0.090	mg/Kg			1	6010B
7439-95-4	Magnesium	560	16	0.79	mg/Kg		B	1	6010B
7439-96-5	Manganese	23	1.6	0.11	mg/Kg			1	6010B
7440-02-0	Nickel	6.9	1.6	0.10	mg/Kg			1	6010B
7440-09-7	Potassium	450	310	49	mg/Kg			1	6010B
7782-49-2	Selenium	0.67	0.79	0.37	mg/Kg	J	B	1	6010B
7440-22-4	Silver	0.089	0.79	0.079	mg/Kg	J		1	6010B
7440-23-5	Sodium	ND	160	20	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.6	0.11	mg/Kg			1	6010B
7440-62-2	Vanadium	30	1.6	0.10	mg/Kg			1	6010B
7440-66-6	Zinc	13	3.9	0.92	mg/Kg			1	6010B
7440-31-5	Tin	4.6	7.9	0.50	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.077	0.25	0.045	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-407-0.0/1.0-XXX
Lab Sample ID: 360-24582-12
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 89.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8300	3.4	0.88	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	5.0	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	9.3	0.68	0.088	mg/Kg			1	6010B
7440-41-7	Beryllium	0.21	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.26	0.27	0.0095	mg/Kg	J		1	6010B
7440-70-2	Calcium	390	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	32	0.68	0.090	mg/Kg			1	6010B
7440-48-4	Cobalt	1.8	0.68	0.088	mg/Kg			1	6010B
7440-50-8	Copper	5.5	1.4	0.088	mg/Kg			1	6010B
7439-89-6	Iron	7200	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	15	0.68	0.077	mg/Kg			1	6010B
7439-95-4	Magnesium	830	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	37	1.4	0.090	mg/Kg			1	6010B
7440-02-0	Nickel	6.2	1.4	0.088	mg/Kg			1	6010B
7440-09-7	Potassium	440	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	0.45	0.68	0.068	mg/Kg	J		1	6010B
7440-23-5	Sodium	ND	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.098	mg/Kg			1	6010B
7440-62-2	Vanadium	12	1.4	0.088	mg/Kg			1	6010B
7440-66-6	Zinc	38	3.4	0.80	mg/Kg			1	6010B
7440-31-5	Tin	12	6.8	0.43	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	ND	0.21	0.038	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-408-0.0/1.0-XXX
Lab Sample ID: 360-24582-13
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 84.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6800	3.1	0.82	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.63	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	7.1	1.3	0.11	mg/Kg			1	6010B
7440-39-3	Barium	23	0.63	0.082	mg/Kg			1	6010B
7440-41-7	Beryllium	0.25	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.43	0.25	0.0088	mg/Kg			1	6010B
7440-70-2	Calcium	2100	13	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	82	0.63	0.084	mg/Kg			1	6010B
7440-48-4	Cobalt	3.9	0.63	0.082	mg/Kg			1	6010B
7440-50-8	Copper	12	1.3	0.082	mg/Kg			1	6010B
7439-89-6	Iron	12000	6.3	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	31	0.63	0.072	mg/Kg			1	6010B
7439-95-4	Magnesium	2200	13	0.63	mg/Kg		B	1	6010B
7439-96-5	Manganese	96	1.3	0.084	mg/Kg			1	6010B
7440-02-0	Nickel	10	1.3	0.082	mg/Kg			1	6010B
7440-09-7	Potassium	740	250	39	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.63	0.29	mg/Kg			1	6010B
7440-22-4	Silver	1.1	0.63	0.063	mg/Kg			1	6010B
7440-23-5	Sodium	25	130	16	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.3	0.091	mg/Kg			1	6010B
7440-62-2	Vanadium	18	1.3	0.082	mg/Kg			1	6010B
7440-66-6	Zinc	60	3.1	0.74	mg/Kg			1	6010B
7440-31-5	Tin	31	6.3	0.40	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	0.10	0.21	0.038	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-409-0.0/1.0-XXX
Lab Sample ID: 360-24582-14
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:00
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 96.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8300	3.4	0.89	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	5.6	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	29	0.68	0.089	mg/Kg			1	6010B
7440-41-7	Beryllium	0.24	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.41	0.27	0.0096	mg/Kg			1	6010B
7440-70-2	Calcium	3700	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	21	0.68	0.091	mg/Kg			1	6010B
7440-48-4	Cobalt	6.6	0.68	0.089	mg/Kg			1	6010B
7440-50-8	Copper	19	1.4	0.089	mg/Kg			1	6010B
7439-89-6	Iron	16000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	14	0.68	0.078	mg/Kg			1	6010B
7439-95-4	Magnesium	3400	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	180	1.4	0.091	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.4	0.089	mg/Kg			1	6010B
7440-09-7	Potassium	1200	270	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.68	0.069	mg/Kg			1	6010B
7440-23-5	Sodium	47	140	18	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.099	mg/Kg			1	6010B
7440-62-2	Vanadium	44	1.4	0.089	mg/Kg			1	6010B
7440-66-6	Zinc	120	3.4	0.80	mg/Kg			1	6010B
7440-31-5	Tin	6.9	6.8	0.44	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	0.068	0.19	0.035	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-411-0.0/1.0-XXX
Lab Sample ID: 360-24582-16
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 41.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	7.7	2.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.5	0.56	mg/Kg			1	6010B
7440-38-2	Arsenic	2.8	3.1	0.28	mg/Kg	J		1	6010B
7440-39-3	Barium	81	1.5	0.20	mg/Kg			1	6010B
7440-41-7	Beryllium	0.90	0.62	0.077	mg/Kg			1	6010B
7440-43-9	Cadmium	0.50	0.62	0.022	mg/Kg	J		1	6010B
7440-70-2	Calcium	1100	31	7.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	22	1.5	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	3.5	1.5	0.20	mg/Kg			1	6010B
7440-50-8	Copper	25	3.1	0.20	mg/Kg			1	6010B
7439-89-6	Iron	6900	15	2.5	mg/Kg		B	1	6010B
7439-92-1	Lead	25	1.5	0.18	mg/Kg			1	6010B
7439-95-4	Magnesium	110	31	1.5	mg/Kg		B	1	6010B
7439-96-5	Manganese	13	3.1	0.21	mg/Kg			1	6010B
7440-02-0	Nickel	12	3.1	0.20	mg/Kg			1	6010B
7440-09-7	Potassium	ND	620	97	mg/Kg			1	6010B
7782-49-2	Selenium	1.9	1.5	0.73	mg/Kg		B	1	6010B
7440-22-4	Silver	ND	1.5	0.16	mg/Kg			1	6010B
7440-23-5	Sodium	ND	310	40	mg/Kg			1	6010B
7440-28-0	Thallium	ND	3.1	0.22	mg/Kg			1	6010B
7440-62-2	Vanadium	18	3.1	0.20	mg/Kg			1	6010B
7440-66-6	Zinc	82	7.7	1.8	mg/Kg			1	6010B
7440-31-5	Tin	7.9	15	0.99	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.43	0.079	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-412-0.0/1.0-XXX
Lab Sample ID: 360-24582-17
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:20
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9500	3.5	0.90	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.69	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	8.0	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	46	0.69	0.090	mg/Kg			1	6010B
7440-41-7	Beryllium	0.31	0.28	0.035	mg/Kg			1	6010B
7440-43-9	Cadmium	0.27	0.28	0.0097	mg/Kg	J		1	6010B
7440-70-2	Calcium	1800	14	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	59	0.69	0.092	mg/Kg			1	6010B
7440-48-4	Cobalt	6.4	0.69	0.090	mg/Kg			1	6010B
7440-50-8	Copper	12	1.4	0.090	mg/Kg			1	6010B
7439-89-6	Iron	15000	6.9	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	11	0.69	0.079	mg/Kg			1	6010B
7439-95-4	Magnesium	5100	14	0.69	mg/Kg		B	1	6010B
7439-96-5	Manganese	180	1.4	0.093	mg/Kg			1	6010B
7440-02-0	Nickel	23	1.4	0.090	mg/Kg			1	6010B
7440-09-7	Potassium	3400	280	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.69	0.32	mg/Kg			1	6010B
7440-22-4	Silver	0.55	0.69	0.070	mg/Kg	J		1	6010B
7440-23-5	Sodium	33	140	18	mg/Kg	J		1	6010B
7440-28-0	Thallium	0.16	1.4	0.10	mg/Kg	J		1	6010B
7440-62-2	Vanadium	33	1.4	0.090	mg/Kg			1	6010B
7440-66-6	Zinc	53	3.5	0.82	mg/Kg			1	6010B
7440-31-5	Tin	21	6.9	0.44	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	ND	0.19	0.035	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-414-0.0/1.0-XXX
Lab Sample ID: 360-24582-19
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6400	3.2	0.83	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.64	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	7.8	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	17	0.64	0.083	mg/Kg			1	6010B
7440-41-7	Beryllium	0.22	0.26	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.19	0.26	0.0090	mg/Kg	J		1	6010B
7440-70-2	Calcium	2000	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	14	0.64	0.085	mg/Kg			1	6010B
7440-48-4	Cobalt	5.9	0.64	0.083	mg/Kg			1	6010B
7440-50-8	Copper	22	1.3	0.083	mg/Kg			1	6010B
7439-89-6	Iron	12000	6.4	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	8.1	0.64	0.073	mg/Kg			1	6010B
7439-95-4	Magnesium	2700	13	0.64	mg/Kg		B	1	6010B
7439-96-5	Manganese	130	1.3	0.085	mg/Kg			1	6010B
7440-02-0	Nickel	11	1.3	0.083	mg/Kg			1	6010B
7440-09-7	Potassium	930	260	40	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.30	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.064	mg/Kg			1	6010B
7440-23-5	Sodium	75	130	17	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.3	0.092	mg/Kg			1	6010B
7440-62-2	Vanadium	18	1.3	0.083	mg/Kg			1	6010B
7440-66-6	Zinc	21	3.2	0.75	mg/Kg			1	6010B
7440-31-5	Tin	4.5	6.4	0.41	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.20	0.037	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-415-0.0/1.0-XXX
Lab Sample ID: 360-24582-20
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:15
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 42.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4000	7.0	1.8	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.4	0.51	mg/Kg			1	6010B
7440-38-2	Arsenic	2.0	2.8	0.25	mg/Kg	J		1	6010B
7440-39-3	Barium	56	1.4	0.18	mg/Kg			1	6010B
7440-41-7	Beryllium	0.19	0.56	0.070	mg/Kg	J		1	6010B
7440-43-9	Cadmium	1.1	0.56	0.020	mg/Kg			1	6010B
7440-70-2	Calcium	13000	28	7.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	84	1.4	0.19	mg/Kg			1	6010B
7440-48-4	Cobalt	5.9	1.4	0.18	mg/Kg			1	6010B
7440-50-8	Copper	26	2.8	0.18	mg/Kg			1	6010B
7439-89-6	Iron	6800	14	2.2	mg/Kg		B	1	6010B
7439-92-1	Lead	80	1.4	0.16	mg/Kg			1	6010B
7439-95-4	Magnesium	1100	28	1.4	mg/Kg		B	1	6010B
7439-96-5	Manganese	93	2.8	0.19	mg/Kg			1	6010B
7440-02-0	Nickel	9.9	2.8	0.18	mg/Kg			1	6010B
7440-09-7	Potassium	380	560	87	mg/Kg	J		1	6010B
7782-49-2	Selenium	0.65	1.4	0.65	mg/Kg	J	B	1	6010B
7440-22-4	Silver	1.3	1.4	0.14	mg/Kg	J		1	6010B
7440-23-5	Sodium	88	280	36	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	2.8	0.20	mg/Kg			1	6010B
7440-62-2	Vanadium	14	2.8	0.18	mg/Kg			1	6010B
7440-66-6	Zinc	59	7.0	1.6	mg/Kg			1	6010B
7440-31-5	Tin	34	14	0.89	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	ND	0.41	0.076	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-21
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5300	3.3	0.87	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.67	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	4.1	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	9.4	0.67	0.087	mg/Kg			1	6010B
7440-41-7	Beryllium	0.14	0.27	0.033	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.55	0.27	0.0093	mg/Kg			1	6010B
7440-70-2	Calcium	580	13	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	56	0.67	0.089	mg/Kg			1	6010B
7440-48-4	Cobalt	2.1	0.67	0.087	mg/Kg			1	6010B
7440-50-8	Copper	31	1.3	0.087	mg/Kg			1	6010B
7439-89-6	Iron	7300	6.7	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	13	0.67	0.076	mg/Kg			1	6010B
7439-95-4	Magnesium	980	13	0.67	mg/Kg		B	1	6010B
7439-96-5	Manganese	48	1.3	0.089	mg/Kg			1	6010B
7440-02-0	Nickel	6.2	1.3	0.087	mg/Kg			1	6010B
7440-09-7	Potassium	430	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.67	0.31	mg/Kg			1	6010B
7440-22-4	Silver	0.94	0.67	0.067	mg/Kg			1	6010B
7440-23-5	Sodium	ND	130	17	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.096	mg/Kg			1	6010B
7440-62-2	Vanadium	10	1.3	0.087	mg/Kg			1	6010B
7440-66-6	Zinc	250	3.3	0.78	mg/Kg			1	6010B
7440-31-5	Tin	22	6.7	0.43	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	0.047	0.15	0.028	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-22
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5200	3.1	0.81	mg/Kg			1	6010B
7440-36-0	Antimony	0.81	0.62	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	4.2	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	27	0.62	0.081	mg/Kg			1	6010B
7440-41-7	Beryllium	0.16	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.68	0.25	0.0087	mg/Kg			1	6010B
7440-70-2	Calcium	590	12	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	57	0.62	0.082	mg/Kg			1	6010B
7440-48-4	Cobalt	2.0	0.62	0.081	mg/Kg			1	6010B
7440-50-8	Copper	32	1.2	0.081	mg/Kg			1	6010B
7439-89-6	Iron	8800	6.2	0.99	mg/Kg		B	1	6010B
7439-92-1	Lead	26	0.62	0.071	mg/Kg			1	6010B
7439-95-4	Magnesium	910	12	0.62	mg/Kg		B	1	6010B
7439-96-5	Manganese	53	1.2	0.083	mg/Kg			1	6010B
7440-02-0	Nickel	7.3	1.2	0.081	mg/Kg			1	6010B
7440-09-7	Potassium	440	250	39	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.62	0.29	mg/Kg			1	6010B
7440-22-4	Silver	0.88	0.62	0.062	mg/Kg			1	6010B
7440-23-5	Sodium	ND	120	16	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.090	mg/Kg			1	6010B
7440-62-2	Vanadium	9.9	1.2	0.081	mg/Kg			1	6010B
7440-66-6	Zinc	280	3.1	0.73	mg/Kg			1	6010B
7440-31-5	Tin	22	6.2	0.40	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	0.17	0.18	0.032	mg/Kg	J		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-48971/6 09/15/2009 10:50				CCV 360-48971/13 09/15/2009 11:10				CCV 360-48971/25 09/15/2009 12:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1010		1000	101	985		1000	99	989		1000	99
Al	1010		1000	101	4910		5000	98	4950		5000	99
As	1010		1000	101	983		1000	98	987		1000	99
Ba	1020		1000	102	986		1000	99	992		1000	99
Be	1020		1000	102	982		1000	98	987		1000	99
Cd	1020		1000	102	979		1000	98	982		1000	98
Co	1020		1000	102	979		1000	98	985		1000	99
Cr	1010		1000	101	980		1000	98	986		1000	99
Cu	1010		1000	101	986		1000	99	990		1000	99
Fe	988		1000	99	4900		5000	98	4930		5000	99
K	9530		10000	95	19100		20000	96	18700		20000	94
Mn	1020		1000	102	981		1000	98	986		1000	99
Ni	1020		1000	102	980		1000	98	981		1000	98
Pb	1020		1000	102	980		1000	98	984		1000	98
Sb	1000		1000	100	980		1000	98	989		1000	99
Se	1020		1000	102	985		1000	99	984		1000	98
Tl	1010		1000	101	981		1000	98	985		1000	98
V	1020		1000	102	981		1000	98	987		1000	99
Zn	1030		1000	103	977		1000	98	980		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48971/37 09/15/2009 12:52				CCV 360-48971/46 09/15/2009 13:28							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	988		1000	99	978		1000	98				
Al	4920		5000	98	4870		5000	97				
As	984		1000	98	978		1000	98				
Ba	987		1000	99	978		1000	98				
Be	984		1000	98	978		1000	98				
Cd	982		1000	98	973		1000	97				
Co	981		1000	98	973		1000	97				
Cr	983		1000	98	974		1000	97				
Cu	981		1000	98	965		1000	96				
Fe	4910		5000	98	4870		5000	97				
K	18600		20000	93	18400		20000	92				
Mn	982		1000	98	974		1000	97				
Ni	979		1000	98	972		1000	97				
Pb	985		1000	98	975		1000	97				
Sb	982		1000	98	972		1000	97				
Se	985		1000	99	977		1000	98				
Tl	986		1000	99	975		1000	97				
V	983		1000	98	975		1000	98				
Zn	980		1000	98	972		1000	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-48971/6 09/15/2009 10:50				CCV 360-48971/13 09/15/2009 11:10				CCV 360-48971/25 09/15/2009 12:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	10200		10000	102	19500		20000	98	19700		20000	98
Mg	10100		10000	101	19600		20000	98	19600		20000	98
Na	9410		10000	94	19600		20000	98	19700		20000	99
Sn	1020		1000	102	982		1000	98	986		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48971/37 09/15/2009 12:52				CCV 360-48971/46 09/15/2009 13:28							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19600		20000	98	19400		20000	97				
Mg	19600		20000	98	19500		20000	97				
Na	19600		20000	98	19500		20000	97				
Sn	984		1000	98	974		1000	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49209/6 09/18/2009 10:23				CCV 360-49209/13 09/18/2009 10:43				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	983		1000	98	999		1000	100	1000		1000	100
Al	982		1000	98	4980		5000	100	5000		5000	100
As	972		1000	97	998		1000	100	994		1000	99
Ba	984		1000	98	999		1000	100	1010		1000	101
Be	983		1000	98	995		1000	100	995		1000	100
Cd	986		1000	99	994		1000	99	991		1000	99
Co	988		1000	99	994		1000	99	995		1000	100
Cr	974		1000	97	994		1000	99	996		1000	100
Cu	973		1000	97	998		1000	100	999		1000	100
Fe	953		1000	95	4970		5000	99	4980		5000	100
Mn	984		1000	98	994		1000	99	996		1000	100
Ni	987		1000	99	991		1000	99	993		1000	99
Pb	987		1000	99	993		1000	99	991		1000	99
Sb	936		1000	94	995		1000	99	998		1000	100
Se	991		1000	99	1000		1000	100	988		1000	99
Tl	979		1000	98	1000		1000	100	997		1000	100
V	984		1000	98	995		1000	99	998		1000	100
Zn	985		1000	99	992		1000	99	988		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	998		1000	100	1000		1000	100	992		1000	99
Al	4980		5000	100	5010		5000	100	4970		5000	99
As	993		1000	99	998		1000	100	992		1000	99
Ba	1000		1000	100	1010		1000	101	999		1000	100
Be	989		1000	99	995		1000	99	985		1000	98
Cd	991		1000	99	993		1000	99	984		1000	98
Co	995		1000	100	996		1000	100	987		1000	99
Cr	993		1000	99	994		1000	99	986		1000	99
Cu	1000		1000	100	997		1000	100	992		1000	99
Fe	4980		5000	100	4990		5000	100	4940		5000	99
Mn	993		1000	99	995		1000	100	987		1000	99
Ni	989		1000	99	993		1000	99	982		1000	98
Pb	988		1000	99	992		1000	99	982		1000	98
Sb	993		1000	99	998		1000	100	991		1000	99
Se	993		1000	99	989		1000	99	988		1000	99
Tl	994		1000	99	1000		1000	100	997		1000	100
V	995		1000	99	997		1000	100	990		1000	99
Zn	988		1000	99	989		1000	99	980		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	975		1000	98								
Al	4850		5000	97								
As	974		1000	97								
Ba	980		1000	98								
Be	970		1000	97								
Cd	973		1000	97								
Co	972		1000	97								
Cr	971		1000	97								
Cu	970		1000	97								
Fe	4860		5000	97								
Mn	970		1000	97								
Ni	968		1000	97								
Pb	969		1000	97								
Sb	976		1000	98								
Se	971		1000	97								
Tl	982		1000	98								
V	972		1000	97								
Zn	969		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49209/6 09/18/2009 10:23				CCV 360-49209/13 09/18/2009 10:43				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9930		10000	99	19900		20000	100	20000		20000	100
Mg	9760		10000	98	19800		20000	99	19900		20000	99
Na	9090		10000	91	19900		20000	99	19900		20000	100
Sn	974		1000	97	993		1000	99	993		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19900		20000	100	20000		20000	100	19800		20000	99
Mg	19800		20000	99	19900		20000	99	19700		20000	98
Na	20000		20000	100	20100		20000	101	19800		20000	99
Sn	991		1000	99	993		1000	99	984		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19500		20000	97								
Mg	19400		20000	97								
Na	19600		20000	98								
Sn	967		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/13 09/18/2009 10:43				ICV 360-49209/16 09/18/2009 10:52				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19500		20000	98	76200		75000	102	20100		20000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19600		20000	98	20400		20000	102	20400		20000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20000		20000	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: METHG1mg/L_00516 Concentration Units: ug/L

CCV Source: METHG1mg/L_00516

Analyte	ICV 360-49149/17 09/18/2009 09:26				CCV 360-49149/31 09/18/2009 09:54				CCV 360-49149/43 09/18/2009 10:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.12		5.00	102	5.25		5.00	105	5.15		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: METHG1mg/L_00516 Concentration Units: ug/L

CCV Source: METHG1mg/L_00516

Analyte	ICV 360-49177/17 09/18/2009 11:07				CCV 360-49177/42 09/18/2009 12:12				CCV 360-49177/54 09/18/2009 12:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.14		5.00	103	5.06		5.00	101	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

ICV Source: METHG1mg/L_00516 Concentration Units: ug/L

CCV Source: METHG1mg/L_00516

Analyte	CCV 360-49177/66 09/18/2009 13:16				CCV 360-49177/78 09/18/2009 14:20							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.13		5.00	103	4.97		5.00	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-48971/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	104		104	70-130
Antimony	10.0	11.5		115	70-130
Arsenic	10.0	10.4		104	70-130
Barium	10.0	11.3		113	70-130
Beryllium	1.00	1.05		105	70-130
Cadmium	1.00	0.994	J	99	70-130
Calcium	400	418		104	70-130
Chromium	5.00	5.10		102	70-130
Cobalt	10.0	10.6		106	70-130
Copper	10.0	11.0		110	70-130
Iron	100	105		105	70-130
Lead	5.00	5.33		107	70-130
Magnesium	400	424		106	70-130
Manganese	10.0	10.8		108	70-130
Nickel	10.0	10.7		107	70-130
Potassium	4000	3410	J	85	70-130
Selenium	10.0	11.4		114	70-130
Silver	5.00	4.33	J	87	70-130
Sodium	2000	1980	J	99	70-130
Vanadium	10.0	10.3		103	70-130
Thallium	10.0	10.0	J	100	70-130
Tin	50.0	31.9	J	64	70-130
Zinc	50.0	53.2		106	70-130

Lab Sample ID: CRI 360-48971/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.45		124	70-130
Arsenic	50.0	50.9		102	70-130
Barium	2000	2210		110	70-130
Beryllium	4.00	4.26		107	70-130
Cadmium	5.00	5.29		106	70-130
Chromium	100	109		109	70-130
Lead	15.0	17.5		116	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-48971/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	112		112	70-130
Selenium	50.0	49.4		99	70-130
Silver	7.00	7.60		109	70-130
Vanadium	50.0	52.6		105	70-130
Zinc	900	965		107	70-130

Lab Sample ID: CRI 360-48971/19 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.07	J	104	70-130

Lab Sample ID: CRI 360-49209/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	104		104	70-130
Antimony	10.0	11.9		119	70-130
Arsenic	10.0	10.6		106	70-130
Barium	10.0	11.2		112	70-130
Beryllium	1.00	0.987	J	99	70-130
Cadmium	1.00	1.05		105	70-130
Calcium	400	415		104	70-130
Chromium	5.00	5.24		105	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	10.8		108	70-130
Iron	100	104		104	70-130
Lead	5.00	5.23		105	70-130
Magnesium	400	422		105	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.4		104	70-130
Potassium	4000	3210	J	80	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49209/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	4.75	J	95	70-130
Sodium	2000	1980	J	99	70-130
Vanadium	10.0	10.3		103	70-130
Thallium	10.0	11.2		112	70-130
Tin	50.0	31.5	J	63	70-130
Zinc	50.0	51.6		103	70-130

Lab Sample ID: CRI 360-49209/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	49.4		99	70-130
Barium	2000	2200		110	70-130
Beryllium	4.00	4.18		104	70-130
Cadmium	5.00	5.25		105	70-130
Chromium	100	108		108	70-130
Lead	15.0	16.9		112	70-130
Nickel	100	111		111	70-130
Selenium	50.0	50.8		102	70-130
Silver	7.00	7.57		108	70-130
Vanadium	50.0	52.5		105	70-130
Zinc	900	953		106	70-130

Lab Sample ID: CRI 360-49209/18 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	10.0	11.2		112	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49209/19 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.10	J	105	70-130

Lab Sample ID: CRI 360-49209/20 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.74	J	129	70-130

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	ICB 360-48971/7 09/15/2009 10:53		CCB 360-48971/14 09/15/2009 11:13		ICB 360-48971/15 09/15/2009 11:16		CCB 360-48971/26 09/15/2009 12:20	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND				ND	
Al	100	ND		ND				ND	
As	10	ND		ND				ND	
Be	1.0	ND		ND				ND	
Ca	400	ND		ND				ND	
Cd	1.0	ND		ND				ND	
Co	10	ND		ND				ND	
Cr	5.0	ND		ND				ND	
Cu	10	ND		ND				ND	
Fe	100	ND		ND				ND	
K	4000	ND		ND				ND	
Mg	400	ND		ND				ND	
Mn	10	ND		ND				ND	
Na	2000	ND		ND				ND	
Ni	10	ND		ND				ND	
Pb	5.0	ND		ND				ND	
Sb	6.0	ND		ND				ND	
Se	10	ND		3.48	J			ND	
Sn	50	ND		ND				ND	
Tl	10	ND		ND				ND	
V	10	ND		ND				ND	
Zn	50	ND		ND				ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	CCB 360-48971/38 09/15/2009 12:54		CCB 360-48971/47 09/15/2009 13:31					
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND					
Al	100	ND		ND					
As	10	ND		ND					
Be	1.0	ND		ND					
Ca	400	ND		ND					
Cd	1.0	ND		ND					
Co	10	ND		ND					
Cr	5.0	ND		ND					
Cu	10	ND		ND					
Fe	100	ND		ND					
K	4000	ND		ND					
Mg	400	ND		ND					
Mn	10	ND		ND					
Na	2000	ND		ND					
Ni	10	ND		ND					
Pb	5.0	ND		ND					
Sb	6.0	ND		ND					
Se	10	ND		4.03	J				
Sn	50	ND		ND					
Tl	10	ND		ND					
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	ICB 360-48971/7 09/15/2009 10:53		CCB 360-48971/14 09/15/2009 11:13		ICB 360-48971/15 09/15/2009 11:16		CCB 360-48971/26 09/15/2009 12:20	
		Found	C	Found	C	Found	C	Found	C
Ba	10			ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	CCB 360-48971/38 09/15/2009 12:54		CCB 360-48971/47 09/15/2009 13:31					
		Found	C	Found	C	Found	C	Found	C
Ba	10	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	ICB 360-49209/7 09/18/2009 10:26		CCB 360-49209/14 09/18/2009 10:46		CCB 360-49209/26 09/18/2009 11:52		CCB 360-49209/38 09/18/2009 12:44	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	4.59	J	ND		ND		ND	
Se	10	5.54	J	4.29	J	4.00	J	2.83	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		ND		ND		ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	CCB 360-49209/50 09/18/2009 13:18		CCB 360-49209/59 09/18/2009 14:12		CCB 360-49209/61 09/18/2009 15:56			
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND			
Al	100	ND		ND		ND			
As	10	ND		ND		ND			
Ba	10	ND		ND		ND			
Be	1.0	ND		ND		ND			
Ca	400	ND		ND		ND			
Cd	1.0	ND		ND		ND			
Co	10	ND		ND		ND			
Cr	5.0	ND		ND		ND			
Cu	10	ND		ND		ND			
Fe	100	ND		ND		ND			
K	4000	ND		ND		ND			
Mg	400	ND		ND		ND			
Mn	10	ND		ND		ND			
Na	2000	ND		ND		ND			
Ni	10	ND		ND		ND			
Pb	5.0	ND		ND		ND			
Sb	10	ND		ND		ND			
Se	10	5.25	J	3.63	J	4.34	J		
Sn	50	ND		ND		ND			
Tl	10	1.56	J	2.71	J	ND			
V	10	ND		ND		ND			
Zn	50	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	ICB 360-49149/20 09/18/2009 09:32		CCB 360-49149/32 09/18/2009 09:56		CCB 360-49149/44 09/18/2009 10:18			
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	ICB 360-49177/19 09/18/2009 11:11		CCB 360-49177/43 09/18/2009 12:14		CCB 360-49177/55 09/18/2009 12:40		CCB 360-49177/67 09/18/2009 13:18	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L

Analyte	RL	CCB 360-49177/79 09/18/2009 14:21							
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L Lab Sample ID: MB 360-48947/1-A

Instrument Code: Varian ICP Batch No.: 48971

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	ND			6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	ND			6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	ND			6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-31-5	Tin	ND			6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: mg/Kg Lab Sample ID: MB 360-49128/1-A

Instrument Code: Varian ICP Batch No.: 49209

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	8.34	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.09	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	2.07	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	0.244	J		6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-31-5	Tin	0.443	J		6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: ug/L Lab Sample ID: MB 360-49066/1-A

Instrument Code: Hg Analyzer Batch No.: 49149

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Concentration Units: mg/Kg Lab Sample ID: MB 360-49130/1-A

Instrument Code: Hg Analyzer Batch No.: 49177

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSA 360-48971/10 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.200**	
Al	**100000**	**107767**	**108**
As		**1.70**	
Ba		**0.366**	
Be		**0.0527**	
Ca	**100000**	**98538**	**99**
Cd		**0.379**	
Co		**1.53**	
Cr		**0.247**	
Cu		**0.528**	
Fe	**40000**	**41247**	**103**
K		**1570**	
Mg	**100000**	**102548**	**103**
Mn		**3.12**	
Na		**162**	
Ni		**5.36**	
Pb		**-0.994**	
Sb		**0.386**	
Se		**0.0767**	
Sn		**0.121**	
Tl		**-0.309**	
V		**1.70**	
Zn		**1.86**	
B		*7.13*	
Li		*1.30*	
Mo		*0.964*	
Si		*-0.999*	
Si		*-0.0647*	
SiO2		*-2.14*	
Sr		*0.569*	
Ti		*1.54*	
Zr		*0.427*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSAB 360-48971/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**606**	**101**
Al	**100000**	**111323**	**111**
As	**2000**	**1961**	**98**
Ba	**600**	**586**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**101800**	**102**
Cd	**600**	**567**	**94**
Co	**600**	**570**	**95**
Cr	**600**	**569**	**95**
Cu	**600**	**598**	**100**
Fe	**40000**	**42661**	**107**
K	**40000**	**41655**	**104**
Mg	**100000**	**104961**	**105**
Mn	**400**	**382**	**95**
Na		**-64.0**	
Ni	**600**	**573**	**96**
Pb	**2000**	**1857**	**93**
Sb		**966**	
Se	**1000**	**962**	**96**
Sn		**241**	
Tl	**2000**	**1846**	**92**
V	**600**	**583**	**97**
Zn	**600**	**553**	**92**
B		*5.65*	
Li		*1.36*	
Mo		*0.881*	
Si		*25.0*	
Si		*27.1*	
SiO2		*53.5*	
Sr		*0.627*	
Ti		*1.57*	
Zr		*1.74*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSA 360-48971/44 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.136**	
Al	**100000**	**106832**	**107**
As		**0.177**	
Ba		**0.357**	
Be		**0.0541**	
Ca	**100000**	**98132**	**98**
Cd		**0.374**	
Co		**1.16**	
Cr		**0.0666**	
Cu		**0.568**	
Fe	**40000**	**41039**	**103**
K		**1978**	
Mg	**100000**	**102005**	**102**
Mn		**3.13**	
Na		**163**	
Ni		**5.36**	
Pb		**-1.60**	
Sb		**0.482**	
Se		**-0.520**	
Sn		**1.37**	
Tl		**0.385**	
V		**1.61**	
Zn		**1.89**	
B		*6.03*	
Li		*1.39*	
Mo		*0.206*	
Si		*-0.993*	
Si		*-0.427*	
SiO2		*-2.13*	
Sr		*0.571*	
Ti		*1.52*	
Zr		*0.381*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSAB 360-48971/45 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**600**	**100**
Al	**100000**	**110179**	**110**
As	**2000**	**1946**	**97**
Ba	**600**	**580**	**97**
Be	**200**	**191**	**95**
Ca	**100000**	**100967**	**101**
Cd	**600**	**563**	**94**
Co	**600**	**566**	**94**
Cr	**600**	**564**	**94**
Cu	**600**	**593**	**99**
Fe	**40000**	**42276**	**106**
K	**40000**	**40457**	**101**
Mg	**100000**	**104152**	**104**
Mn	**400**	**379**	**95**
Na		**26.5**	
Ni	**600**	**566**	**94**
Pb	**2000**	**1845**	**92**
Sb		**955**	
Se	**1000**	**954**	**95**
Sn		**239**	
Tl	**2000**	**1830**	**92**
V	**600**	**579**	**96**
Zn	**600**	**550**	**92**
B		*6.08*	
Li		*1.38*	
Mo		*0.125*	
Si		*-0.984*	
Si		*1.23*	
SiO2		*-2.11*	
Sr		*0.620*	
Ti		*1.56*	
Zr		*1.44*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSA 360-49209/10 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.614**	
Al	**100000**	**114339**	**114**
As		**2.39**	
Ba		**0.393**	
Be		**0.0049**	
Ca	**100000**	**105625**	**106**
Cd		**0.485**	
Co		**1.63**	
Cr		**0.353**	
Cu		**0.575**	
Fe	**40000**	**44101**	**110**
K		**1421**	
Mg	**100000**	**110443**	**110**
Mn		**3.25**	
Na		**127**	
Ni		**5.48**	
Pb		**-1.75**	
Sb		**0.902**	
Se		**0.898**	
Sn		**-0.323**	
Tl		**1.65**	
V		**1.42**	
Zn		**-0.888**	
B		*7.93*	
Li		*1.41*	
Mo		*1.16*	
Si		*-2.84*	
Si		*-2.26*	
SiO2		*-6.08*	
Sr		*0.610*	
Ti		*1.67*	
Zr		*0.593*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSAB 360-49209/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**612**	**102**
Al	**100000**	**111100**	**111**
As	**2000**	**1981**	**99**
Ba	**600**	**591**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**102172**	**102**
Cd	**600**	**573**	**95**
Co	**600**	**575**	**96**
Cr	**600**	**573**	**96**
Cu	**600**	**608**	**101**
Fe	**40000**	**43026**	**108**
K	**40000**	**43209**	**108**
Mg	**100000**	**106291**	**106**
Mn	**400**	**386**	**96**
Na		**-84.4**	
Ni	**600**	**578**	**96**
Pb	**2000**	**1876**	**94**
Sb		**947**	
Se	**1000**	**973**	**97**
Sn		**238**	
Tl	**2000**	**1869**	**93**
V	**600**	**588**	**98**
Zn	**600**	**557**	**93**
B		*7.27*	
Li		*1.51*	
Mo		*0.522*	
Si		*-3.21*	
Si		*-1.05*	
SiO2		*-6.86*	
Sr		*0.627*	
Ti		*1.54*	
Zr		*1.64*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSA 360-49209/62 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.521**	
Al	**100000**	**111101**	**111**
As		**0.505**	
Ba		**0.467**	
Be		**0.0146**	
Ca	**100000**	**103164**	**103**
Cd		**0.670**	
Co		**1.98**	
Cr		**0.878**	
Cu		**0.622**	
Fe	**40000**	**42962**	**107**
K		**1667**	
Mg	**100000**	**107592**	**108**
Mn		**3.16**	
Na		**154**	
Ni		**5.25**	
Pb		**-1.63**	
Sb		**1.40**	
Se		**-1.59**	
Sn		**0.203**	
Tl		**1.30**	
V		**2.65**	
Zn		**0.591**	
B		*11.1*	
Li		*1.48*	
Mo		*2.88*	
Si		*-0.0623*	
Si		*-1.53*	
SiO2		*-0.133*	
Sr		*0.606*	
Ti		*1.61*	
Zr		*1.02*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Lab Sample ID: ICSAB 360-49209/63 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**598**	**100**
Al	**100000**	**108247**	**108**
As	**2000**	**1929**	**96**
Ba	**600**	**581**	**97**
Be	**200**	**188**	**94**
Ca	**100000**	**99843**	**100**
Cd	**600**	**560**	**93**
Co	**600**	**564**	**94**
Cr	**600**	**559**	**93**
Cu	**600**	**590**	**98**
Fe	**40000**	**41846**	**105**
K	**40000**	**42462**	**106**
Mg	**100000**	**103522**	**104**
Mn	**400**	**375**	**94**
Na		**-106**	
Ni	**600**	**567**	**95**
Pb	**2000**	**1820**	**91**
Sb		**918**	
Se	**1000**	**946**	**95**
Sn		**227**	
Tl	**2000**	**1835**	**92**
V	**600**	**575**	**96**
Zn	**600**	**538**	**90**
B		*8.77*	
Li		*1.45*	
Mo		*1.13*	
Si		*-0.436*	
Si		*-0.158*	
SiO2		*-0.932*	
Sr		*0.622*	
Ti		*1.66*	
Zr		*3.17*	

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-EBK-010 MS
Lab ID: 360-24582-4 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5080		ND		5000	102	75-125		6010B
Antimony	1030		ND		1000	103	75-125		6010B
Arsenic	1020		ND		1000	102	75-125		6010B
Barium	1040		ND		1000	104	75-125		6010B
Beryllium	1020		ND		1000	102	75-125		6010B
Cadmium	1010		ND		1000	101	75-125		6010B
Calcium	20700		78	J	20000	103	75-125		6010B
Chromium	1030		ND		1000	103	75-125		6010B
Cobalt	1030		ND		1000	103	75-125		6010B
Copper	1070		29		1000	104	75-125		6010B
Iron	5190		110		5000	102	75-125		6010B
Lead	1020		ND		1000	102	75-125		6010B
Magnesium	20000		ND		20000	100	75-125		6010B
Manganese	1040		ND		1000	104	75-125		6010B
Nickel	1020		ND		1000	102	75-125		6010B
Potassium	18700		ND		20000	94	75-125		6010B
Selenium	1010		3.2	J	1000	101	75-125		6010B
Silver	1020		ND		1000	102	75-125		6010B
Sodium	19700		ND		20000	99	75-125		6010B
Vanadium	1040		ND		1000	104	75-125		6010B
Thallium	994		3.0	J	1000	99	75-125		6010B
Tin	1030		ND		1000	103	75-125		6010B
Zinc	1010		ND		1000	101	75-125		6010B
Mercury	5.11		ND		5.00	102	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SS-416-0.0/1.0-XXX MS
Lab ID: 360-24582-22 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 91.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5630		5200		311	150	75-125	4	6010B
Antimony	35.7		0.81		62.3	56	75-125	F	6010B
Arsenic	61.3		4.2		62.3	92	75-125		6010B
Barium	67.4		27		62.3	65	75-125	F	6010B
Beryllium	58.0		0.16	J	62.3	93	75-125		6010B
Cadmium	56.6		0.68		62.3	90	75-125		6010B
Calcium	1790		590		1250	97	75-125		6010B
Chromium	106		57		62.3	79	75-125		6010B
Cobalt	59.2		2.0		62.3	92	75-125		6010B
Copper	89.9		32		62.3	93	75-125		6010B
Iron	7560		8800		311	-390	75-125	4	6010B
Lead	66.2		26		62.3	64	75-125	F	6010B
Magnesium	2070		910		1250	93	75-125		6010B
Manganese	106		53		62.3	86	75-125		6010B
Nickel	63.0		7.3		62.3	90	75-125		6010B
Potassium	1590		440		1250	93	75-125		6010B
Selenium	56.6		ND		62.3	91	75-125		6010B
Silver	57.9		0.88		62.3	91	75-125		6010B
Sodium	1070		ND		1250	86	75-125		6010B
Thallium	53.7		ND		62.3	86	75-125		6010B
Vanadium	68.1		9.9		62.3	93	75-125		6010B
Zinc	302		280		62.3	33	75-125	4	6010B
Tin	75.0		22		62.3	85	75-125		6010B
Mercury	1.37		0.17	J	1.25	96	75-125		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SS-416-0.0/1.0-XXX PDS
Lab ID: 360-24582-22 PDS
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5300		5200		310	NC	75-125		6010B
Antimony	57.1		0.81		61.9	91	75-125		6010B
Arsenic	65.2		4.2		61.9	98	75-125		6010B
Barium	86.8		27		61.9	97	75-125		6010B
Beryllium	60.9		0.16	J	61.9	98	75-125		6010B
Cadmium	60.1		0.68		61.9	96	75-125		6010B
Calcium	1810		590		1240	99	75-125		6010B
Chromium	114		57		61.9	92	75-125		6010B
Cobalt	62.4		2.0		61.9	97	75-125		6010B
Copper	93.6		32		61.9	100	75-125		6010B
Iron	8630		8800		310	NC	75-125		6010B
Lead	82.8		26		61.9	91	75-125		6010B
Magnesium	2060		910		1240	93	75-125		6010B
Manganese	108		53		61.9	89	75-125		6010B
Nickel	66.8		7.3		61.9	96	75-125		6010B
Potassium	1590		440		1240	93	75-125		6010B
Selenium	60.0		ND		61.9	97	75-125		6010B
Silver	61.8		0.88		61.9	98	75-125		6010B
Sodium	1130		ND		1240	91	75-125		6010B
Vanadium	71.2		9.9		61.9	99	75-125		6010B
Thallium	57.2		ND		61.9	92	75-125		6010B
Tin	79.2		22		61.9	92	75-125		6010B
Zinc	328		280		61.9	74	75-125	W	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: OC-EBK-010 DU
Lab ID: 360-24582-4 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
% Solids for Sample:
% Solids for Duplicate:
Matrix: Water
Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	100	ND		ND		NC		6010B
Antimony	6.0	ND		ND		NC		6010B
Arsenic	10	ND		ND		NC		6010B
Barium	10	ND		ND		NC		6010B
Beryllium	1.0	ND		ND		NC		6010B
Cadmium	1.0	ND		ND		NC		6010B
Calcium	400	78	J	103	J	28		6010B
Chromium	5.0	ND		ND		NC		6010B
Cobalt	10	ND		ND		NC		6010B
Copper	10	29		29.2		0		6010B
Iron	100	110		105		0		6010B
Lead	5.0	ND		ND		NC		6010B
Magnesium	400	ND		ND		NC		6010B
Manganese	10	ND		ND		NC		6010B
Nickel	10	ND		ND		NC		6010B
Potassium	4000	ND		ND		NC		6010B
Selenium	10	3.2	J	ND		NC		6010B
Silver	5.0	ND		ND		NC		6010B
Sodium	2000	ND		ND		NC		6010B
Vanadium	10	ND		ND		NC		6010B
Thallium	10	3.0	J	ND		NC		6010B
Tin	50	ND		ND		NC		6010B
Zinc	50	ND		ND		NC		6010B
Mercury	0.20	ND		ND		NC		7470A

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: OC-SS-416-0.0/1.0-XXX DU
Lab ID: 360-24582-22 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG No.: OCRI-15
% Solids for Sample: 91.2
% Solids for Duplicate: 91.2
Matrix: Solid
Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	3.1	5200		5060		2		6010B
Antimony	0.61	0.81		ND		NC		6010B
Arsenic	1.2	4.2		4.46		6		6010B
Barium	0.61	27		14.9		57	F	6010B
Beryllium	0.24	0.16	J	0.144	J	8		6010B
Cadmium	0.24	0.68		0.605		11		6010B
Calcium	12	590		653		10		6010B
Chromium	0.61	57		48.1		17		6010B
Cobalt	0.61	2.0		2.54		22		6010B
Copper	1.2	32		29.7		7		6010B
Iron	6.1	8800		12000		31		6010B
Lead	0.61	26		11.4		79	F	6010B
Magnesium	12	910		1040		13		6010B
Manganese	1.2	53		64.8		20		6010B
Nickel	1.2	7.3		6.79		7		6010B
Potassium	240	440		601		32		6010B
Selenium	0.61	ND		ND		NC		6010B
Silver	0.61	0.88		0.654		29		6010B
Sodium	120	ND		ND		NC		6010B
Vanadium	1.2	9.9		12.0		19		6010B
Thallium	1.2	ND		ND		NC		6010B
Tin	6.1	22		18.3		20		6010B
Zinc	3.1	280		243		15		6010B
Mercury	0.18	0.17	J	0.0491	J	112		7471A

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-48947/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Water LCS Source: stlma-3_00039

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	5000	5210		104	80	120		6010B
Antimony	1000	1020		102	80	120		6010B
Arsenic	1000	1040		104	80	120		6010B
Barium	1000	1060		106	80	120		6010B
Beryllium	1000	1040		104	80	120		6010B
Cadmium	1000	1040		104	80	120		6010B
Calcium	20000	21100		106	80	120		6010B
Chromium	1000	1060		106	80	120		6010B
Cobalt	1000	1050		105	80	120		6010B
Copper	1000	1050		105	80	120		6010B
Iron	5000	5190		104	80	120		6010B
Lead	1000	1040		104	80	120		6010B
Magnesium	20000	20600		103	80	120		6010B
Manganese	1000	1060		106	80	120		6010B
Nickel	1000	1050		105	80	120		6010B
Potassium	20000	19700		99	80	120		6010B
Selenium	1000	1040		104	80	120		6010B
Silver	1000	1040		104	80	120		6010B
Sodium	20000	20300		102	80	120		6010B
Vanadium	1000	1070		107	80	120		6010B
Thallium	1000	1020		102	80	120		6010B
Tin	1000	1040		104	80	120		6010B
Zinc	1000	1030		103	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-48947/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Water LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	5040		5000	101	80-120	3	20		6010B
Antimony	1030		1000	103	80-120	1	20		6010B
Arsenic	1010		1000	101	80-120	3	20		6010B
Barium	1030		1000	103	80-120	3	20		6010B
Beryllium	1010		1000	101	80-120	3	20		6010B
Cadmium	1010		1000	101	80-120	3	20		6010B
Calcium	20500		20000	102	80-120	3	20		6010B
Chromium	1030		1000	103	80-120	3	20		6010B
Cobalt	1020		1000	102	80-120	3	20		6010B
Copper	1020		1000	102	80-120	2	20		6010B
Iron	5100		5000	102	80-120	2	20		6010B
Lead	1010		1000	101	80-120	3	20		6010B
Magnesium	20000		20000	100	80-120	3	20		6010B
Manganese	1020		1000	102	80-120	3	20		6010B
Nickel	1010		1000	101	80-120	4	20		6010B
Potassium	18700		20000	93	80-120	5	20		6010B
Selenium	1010		1000	101	80-120	3	20		6010B
Silver	1010		1000	101	80-120	3	20		6010B
Sodium	19600		20000	98	80-120	3	20		6010B
Vanadium	1030		1000	103	80-120	3	20		6010B
Thallium	989		1000	99	80-120	3	20		6010B
Tin	1030		1000	103	80-120	1	20		6010B
Zinc	1000		1000	100	80-120	3	20		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49128/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	237		95	80	120		6010B
Antimony	50.0	43.2		86	80	120		6010B
Arsenic	50.0	47.2		94	80	120		6010B
Barium	50.0	48.6		97	80	120		6010B
Beryllium	50.0	47.8		96	80	120		6010B
Cadmium	50.0	47.2		94	80	120		6010B
Calcium	1000	974		97	80	120		6010B
Chromium	50.0	48.2		96	80	120		6010B
Cobalt	50.0	47.8		96	80	120		6010B
Copper	50.0	48.6		97	80	120		6010B
Iron	250	240		96	80	120		6010B
Lead	50.0	47.2		94	80	120		6010B
Magnesium	1000	935		93	80	120		6010B
Manganese	50.0	48.2		96	80	120		6010B
Nickel	50.0	47.8		96	80	120		6010B
Potassium	1000	919		92	80	120		6010B
Selenium	50.0	47.1		94	80	120		6010B
Silver	50.0	47.6		95	80	120		6010B
Sodium	1000	929		93	80	120		6010B
Vanadium	50.0	48.4		97	80	120		6010B
Thallium	50.0	46.7		93	80	120		6010B
Tin	50.0	47.7		95	80	120		6010B
Zinc	50.0	46.7		93	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49128/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	237		250	95	80-120	0	30		6010B
Antimony	45.1		50.0	90	80-120	4	30		6010B
Arsenic	47.3		50.0	95	80-120	0	30		6010B
Barium	48.7		50.0	97	80-120	0	30		6010B
Beryllium	47.9		50.0	96	80-120	0	30		6010B
Cadmium	47.2		50.0	94	80-120	0	30		6010B
Calcium	976		1000	98	80-120	0	30		6010B
Chromium	48.4		50.0	97	80-120	0	30		6010B
Cobalt	47.9		50.0	96	80-120	0	30		6010B
Copper	48.5		50.0	97	80-120	0	30		6010B
Iron	240		250	96	80-120	0	30		6010B
Lead	47.1		50.0	94	80-120	0	30		6010B
Magnesium	932		1000	93	80-120	0	30		6010B
Manganese	48.4		50.0	97	80-120	0	30		6010B
Nickel	47.5		50.0	95	80-120	1	30		6010B
Potassium	896		1000	90	80-120	2	30		6010B
Selenium	47.3		50.0	95	80-120	1	30		6010B
Silver	47.4		50.0	95	80-120	0	30		6010B
Sodium	925		1000	93	80-120	0	30		6010B
Vanadium	48.6		50.0	97	80-120	0	30		6010B
Thallium	46.7		50.0	93	80-120	0	30		6010B
Tin	48.1		50.0	96	80-120	1	30		6010B
Zinc	46.6		50.0	93	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49066/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Water LCS Source: METHG1mg/L_00516

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.98		100	80	120		7470A

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49066/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Water LCS Source: METHG1mg/L_00516

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	4.89		5.00	98	80-120	2	20		7470A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49130/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Solid LCS Source: METHG1mg/L_00516

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.25	1.35		108	80	120		7471A

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49130/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

Sample Matrix: Solid LCS Source: METHG1mg/L_00516

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.32		1.25	106	80-120	2	30		7471A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 360-24582-4

SDG No: OCRI-15

Lab Name: TestAmerica Westfield Job No: 360-24582-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	ND		ND		NC		6010B
Antimony	ND		ND		NC		6010B
Arsenic	ND		ND		NC		6010B
Barium	ND		ND		NC		6010B
Beryllium	ND		ND		NC		6010B
Cadmium	ND		ND		NC		6010B
Calcium	78	J	ND		NC		6010B
Chromium	ND		ND		NC		6010B
Cobalt	ND		ND		NC		6010B
Copper	29		30.8	J	NC		6010B
Iron	110		ND		NC		6010B
Lead	ND		ND		NC		6010B
Magnesium	ND		ND		NC		6010B
Manganese	ND		ND		NC		6010B
Nickel	ND		ND		NC		6010B
Potassium	ND		ND		NC		6010B
Selenium	3.2	J	ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	ND		ND		NC		6010B
Vanadium	ND		ND		NC		6010B
Thallium	3.0	J	19.5	J	NC		6010B
Tin	ND		ND		NC		6010B
Zinc	ND		ND		NC		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 360-24582-22

SDG No: OCRI-15

Lab Name: TestAmerica Westfield Job No: 360-24582-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	5200		5110		1.1		6010B
Antimony	0.81		2.59	J	NC		6010B
Arsenic	4.2		4.28	J	NC		6010B
Barium	27		29.2		9.3		6010B
Beryllium	0.16	J	0.166	J	NC		6010B
Cadmium	0.68		0.706	J	4.2		6010B
Calcium	590		617		4.9		6010B
Chromium	57		59.0		3.7		6010B
Cobalt	2.0		2.20	J	NC		6010B
Copper	32		33.0		4.1		6010B
Iron	8800		8720		0.58		6010B
Lead	26		28.5		8.0		6010B
Magnesium	910		977		7.9		6010B
Manganese	53		56.6		6.9		6010B
Nickel	7.3		7.84		7.6		6010B
Potassium	440		419	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	0.88		0.760	J	NC		6010B
Sodium	ND		ND		NC		6010B
Vanadium	9.9		10.3		4.4		6010B
Thallium	ND		ND		NC		6010B
Tin	22		23.3	J	4.2		6010B
Zinc	280		310		9.9		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Water Instrument ID: Varian ICP

Analysis Method: 6010B MDL Date: 06/24/2009 14:08

Prep Method: 3010A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum	237.312	100	39.3
Antimony	217.582	6	2.87
Arsenic	188.980	10	2.29
Barium	493.408	10	2
Beryllium	313.042	1	0.2
Cadmium	214.439	1	0.2
Calcium	373.690	400	59.2
Chromium	267.716	5	1.32
Cobalt	228.615	10	2
Copper	327.395	10	1.73
Iron	273.955	100	34.3
Lead	220.353	5	1.29
Magnesium	279.078	400	50
Manganese	257.610	10	1.26
Nickel	216.555	10	1.5
Potassium	404.721	4000	500
Selenium	196.026	10	2.66
Silver	338.289	5	1.76
Sodium	330.237	2000	250
Thallium	190.794	10	1.44
Tin	283.998	50	7
Vanadium	292.401	10	1.5
Zinc	202.548	50	10

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: Varian ICP

Analysis Method: 6010B MDL Date: 06/24/2009 13:14

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Aluminum	237.312	2.5	650
Antimony	217.582	0.5	181
Arsenic	188.980	1	91.2
Barium	493.408	0.5	65
Beryllium	313.042	0.2	25
Cadmium	214.439	0.2	7
Calcium	373.690	10	2500
Chromium	267.716	0.5	66.5
Cobalt	228.615	0.5	65
Copper	327.395	1	65
Iron	273.955	5	797
Lead	220.353	0.5	57.1
Magnesium	279.078	10	500
Manganese	257.610	1	66.8
Nickel	216.555	1	65
Potassium	404.721	200	31260
Selenium	196.026	0.5	234
Silver	338.289	0.5	50.3
Sodium	330.237	100	13000
Thallium	190.794	1	72.3
Tin	283.998	5	320
Vanadium	292.401	1	65
Zinc	202.548	2.5	588

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Water Instrument ID: Hg Analyzer

Analysis Method: 7470A MDL Date: 08/01/2009 15:31

Prep Method: 7470A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.065

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: Hg Analyzer

Analysis Method: 7471A MDL Date: 05/20/2009 14:47

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.1	0.034

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Date: 01/01/2009 14:05

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		200000	6010B
Antimony		50000	6010B
Arsenic		50000	6010B
Barium		10000	6010B
Beryllium		8000	6010B
Cadmium		15000	6010B
Calcium		500000	6010B
Chromium		50000	6010B
Cobalt		50000	6010B
Copper		50000	6010B
Iron		700000	6010B
Lead		50000	6010B
Magnesium		175000	6010B
Manganese		15000	6010B
Nickel		50000	6010B
Potassium		75000	6010B
Selenium		50000	6010B
Silver		25000	6010B
Sodium		500000	6010B
Vanadium		50000	6010B
Thallium		50000	6010B
Tin			6010B
Zinc		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-48947/1-A	09/15/2009 08:35	48947		50	50
LCS 360-48947/2-A	09/15/2009 08:35	48947		50	50
LCSD 360-48947/3-A	09/15/2009 08:35	48947		50	50
360-24582-4	09/15/2009 08:35	48947		50	50
360-24582-4 DU	09/15/2009 08:35	48947		50	50
360-24582-4 MS	09/15/2009 08:35	48947		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49128/1-A	09/18/2009 07:14	49128	2.0		100
LCS 360-49128/2-A	09/18/2009 07:14	49128	2.0		100
LCSD 360-49128/3-A	09/18/2009 07:14	49128	2.0		100
360-24582-22	09/18/2009 07:14	49128	1.77		100
360-24582-22 DU	09/18/2009 07:14	49128	1.79		100
360-24582-22 MS	09/18/2009 07:14	49128	1.76		100
360-24582-1	09/18/2009 07:14	49128	1.71		100
360-24582-5	09/18/2009 07:14	49128	1.53		100
360-24582-6	09/18/2009 07:14	49128	1.76		100
360-24582-7	09/18/2009 07:14	49128	1.62		100
360-24582-9	09/18/2009 07:14	49128	1.54		100
360-24582-10	09/18/2009 07:14	49128	1.84		100
360-24582-11	09/18/2009 07:14	49128	1.70		100
360-24582-12	09/18/2009 07:14	49128	1.66		100
360-24582-13	09/18/2009 07:14	49128	1.89		100
360-24582-14	09/18/2009 07:14	49128	1.52		100
360-24582-16	09/18/2009 07:14	49128	1.57		100
360-24582-17	09/18/2009 07:14	49128	1.57		100
360-24582-19	09/18/2009 07:14	49128	1.68		100
360-24582-20	09/18/2009 07:14	49128	1.68		100
360-24582-21	09/18/2009 07:14	49128	1.64		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-49066/1-A	09/17/2009 08:12	49066		10	10
LCS 360-49066/2-A	09/17/2009 08:12	49066		10	10
LCSD 360-49066/3-A	09/17/2009 08:12	49066		10	10
360-24582-4	09/17/2009 08:12	49066		10	10
360-24582-4 DU	09/17/2009 08:12	49066		10	10
360-24582-4 MS	09/17/2009 08:12	49066		10	10

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49130/1-A	09/17/2009 16:01	49130	0.2		50
LCS 360-49130/2-A	09/17/2009 16:01	49130	0.2		50
LCSD 360-49130/3-A	09/17/2009 16:01	49130	0.2		50
360-24582-22	09/17/2009 16:01	49130	0.23		50
360-24582-22 DU	09/17/2009 16:01	49130	0.23		50
360-24582-22 MS	09/17/2009 16:01	49130	0.22		50
360-24582-1	09/17/2009 16:01	49130	0.21		50
360-24582-5	09/17/2009 16:01	49130	0.21		50
360-24582-6	09/17/2009 16:01	49130	0.20		50
360-24582-7	09/17/2009 16:01	49130	0.20		50
360-24582-9	09/17/2009 16:01	49130	0.23		50
360-24582-10	09/17/2009 16:01	49130	0.23		50
360-24582-11	09/17/2009 16:01	49130	0.20		50
360-24582-12	09/17/2009 16:01	49130	0.20		50
360-24582-13	09/17/2009 16:01	49130	0.21		50
360-24582-14	09/17/2009 16:01	49130	0.20		50
360-24582-16	09/17/2009 16:01	49130	0.21		50
360-24582-17	09/17/2009 16:01	49130	0.21		50
360-24582-19	09/17/2009 16:01	49130	0.20		50
360-24582-20	09/17/2009 16:01	49130	0.21		50
360-24582-21	09/17/2009 16:01	49130	0.27		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/15/2009 10:35 End Date: 09/15/2009 13:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:35																				
ZZZZZZ			10:38																				
ZZZZZZ			10:41																				
ZZZZZZ			10:44																				
ZZZZZZ			10:47																				
ICV 360-48971/6	1		10:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-48971/7	1		10:53	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-48971/8	1		10:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-48971/9	1		10:58	X		X	X	X		X		X							X	X	X	X	
ICSA 360-48971/10	1		11:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-48971/11	1		11:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:07																				
CCV 360-48971/13	1		11:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48971/14	1		11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-48971/15	1		11:16				X																
ICV 360-48971/16			11:19																				
ICV 360-48971/17			11:22																				
CRI 360-48971/18			11:31																				
CRI 360-48971/19	1		11:34																				
ZZZZZZ			12:00																				
ZZZZZZ			12:02																				
ZZZZZZ			12:05																				
ZZZZZZ			12:09																				
ZZZZZZ			12:12																				
CCV 360-48971/25	1		12:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48971/26	1		12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-48947/1-A	1	T	12:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-48947/2-A	1	T	12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-48947/3-A	1	T	12:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-4	1	T	12:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-4 DU	1	T	12:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-4 MS	1	T	12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-4 SD	5	T	12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
CCV 360-48971/37	1		12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48971/38	1		12:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:57																				
ZZZZZZ			13:00																				
ZZZZZZ			13:03																				
ZZZZZZ			13:06																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/15/2009 10:35 End Date: 09/15/2009 13:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			13:09																				
ICSA 360-48971/44	1		13:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-48971/45	1		13:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-48971/46	1		13:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48971/47	1		13:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/15/2009 10:35 End Date: 09/15/2009 13:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:35																				
ZZZZZZ			10:38																				
ZZZZZZ			10:41																				
ZZZZZZ			10:44																				
ZZZZZZ			10:47																				
ICV 360-48971/6	1		10:50	X	X	X																	
ICB 360-48971/7	1		10:53	X	X	X																	
CRI 360-48971/8	1		10:55	X	X	X																	
CRI 360-48971/9	1		10:58		X	X																	
ICSA 360-48971/10	1		11:01	X	X	X																	
ICSAB 360-48971/11	1		11:04	X	X	X																	
ZZZZZZ			11:07																				
CCV 360-48971/13	1		11:10	X	X	X																	
CCB 360-48971/14	1		11:13	X	X	X																	
ICB 360-48971/15	1		11:16																				
ICV 360-48971/16			11:19																				
ICV 360-48971/17			11:22																				
CRI 360-48971/18			11:31																				
CRI 360-48971/19	1		11:34	X																			
ZZZZZZ			12:00																				
ZZZZZZ			12:02																				
ZZZZZZ			12:05																				
ZZZZZZ			12:09																				
ZZZZZZ			12:12																				
CCV 360-48971/25	1		12:17	X	X	X																	
CCB 360-48971/26	1		12:20	X	X	X																	
MB 360-48947/1-A	1	T	12:23	X	X	X																	
LCS 360-48947/2-A	1	T	12:26	X	X	X																	
LCSD 360-48947/3-A	1	T	12:28	X	X	X																	
360-24582-4	1	T	12:31	X	X	X																	
360-24582-4 DU	1	T	12:34	X	X	X																	
360-24582-4 MS	1	T	12:37	X	X	X																	
360-24582-4 SD	5	T	12:40	X	X	X																	
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
CCV 360-48971/37	1		12:52	X	X	X																	
CCB 360-48971/38	1		12:54	X	X	X																	
ZZZZZZ			12:57																				
ZZZZZZ			13:00																				
ZZZZZZ			13:03																				
ZZZZZZ			13:06																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/15/2009 10:35 End Date: 09/15/2009 13:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			13:09																				
ICSA 360-48971/44	1		13:22	X	X	X																	
ICSAB 360-48971/45	1		13:25	X	X	X																	
CCV 360-48971/46	1		13:28	X	X	X																	
CCB 360-48971/47	1		13:31	X	X	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:08																				
ZZZZZZ			10:11																				
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ICV 360-49209/6	1		10:23	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-49209/7	1		10:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49209/8	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CRI 360-49209/9	1		10:31	X		X	X	X		X		X							X	X		X	
ICSA 360-49209/10	1		10:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49209/11	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:40																				
CCV 360-49209/13	1		10:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/14	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49209/15			10:49																				
ICV 360-49209/16	1		10:52												X								
ICV 360-49209/17			10:55																				
CRI 360-49209/18	1		11:06																			X	
CRI 360-49209/19	1		11:09																				
CRI 360-49209/20	1		11:29																		X		
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
CCV 360-49209/25	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/26	1		11:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49128/1-A	1	T	12:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49128/2-A	1	T	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49128/3-A	1	T	12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-22	1	T	12:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-22 DU	1	T	12:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-22 MS	1	T	12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-22 SD	5	T	12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-22 PDS	1	T	12:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-1	1	T	12:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-5	1	T	12:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49209/37	1		12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/38	1		12:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-6	1	T	12:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-7	1	T	12:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-9	1	T	12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-10	1	T	12:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
360-24582-11	1	T	12:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-12	1	T	13:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-13	1	T	13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-14	1	T	13:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-16	1	T	13:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-17	1	T	13:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49209/49	1		13:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/50	1		13:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-19	1	T	13:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-20	1	T	13:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24582-21	1	T	13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:30																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:39																				
CCV 360-49209/58	1		14:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/59	1		14:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49209/60	1		15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/61	1		15:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49209/62	1		15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49209/63	1		16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:08																				
ZZZZZZ			10:11																				
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ICV 360-49209/6	1		10:23	X	X	X																	
ICB 360-49209/7	1		10:26	X	X	X																	
CRI 360-49209/8	1		10:29	X	X	X																	
CRI 360-49209/9	1		10:31		X	X																	
ICSA 360-49209/10	1		10:34	X	X	X																	
ICSAB 360-49209/11	1		10:37	X	X	X																	
ZZZZZZ			10:40																				
CCV 360-49209/13	1		10:43	X	X	X																	
CCB 360-49209/14	1		10:46	X	X	X																	
ICB 360-49209/15			10:49																				
ICV 360-49209/16	1		10:52																				
ICV 360-49209/17			10:55																				
CRI 360-49209/18	1		11:06																				
CRI 360-49209/19	1		11:09	X																			
CRI 360-49209/20	1		11:29																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
CCV 360-49209/25	1		11:49	X	X	X																	
CCB 360-49209/26	1		11:52	X	X	X																	
MB 360-49128/1-A	1	T	12:12	X	X	X																	
LCS 360-49128/2-A	1	T	12:15	X	X	X																	
LCSD 360-49128/3-A	1	T	12:18	X	X	X																	
360-24582-22	1	T	12:21	X	X	X																	
360-24582-22 DU	1	T	12:24	X	X	X																	
360-24582-22 MS	1	T	12:26	X	X	X																	
360-24582-22 SD	5	T	12:29	X	X	X																	
360-24582-22 PDS	1	T	12:32	X	X	X																	
360-24582-1	1	T	12:35	X	X	X																	
360-24582-5	1	T	12:38	X	X	X																	
CCV 360-49209/37	1		12:41	X	X	X																	
CCB 360-49209/38	1		12:44	X	X	X																	
360-24582-6	1	T	12:47	X	X	X																	
360-24582-7	1	T	12:50	X	X	X																	
360-24582-9	1	T	12:52	X	X	X																	
360-24582-10	1	T	12:55	X	X	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
360-24582-11	1	T	12:58	X	X	X																	
360-24582-12	1	T	13:01	X	X	X																	
360-24582-13	1	T	13:04	X	X	X																	
360-24582-14	1	T	13:07	X	X	X																	
360-24582-16	1	T	13:10	X	X	X																	
360-24582-17	1	T	13:13	X	X	X																	
CCV 360-49209/49	1		13:16	X	X	X																	
CCB 360-49209/50	1		13:18	X	X	X																	
360-24582-19	1	T	13:21	X	X	X																	
360-24582-20	1	T	13:24	X	X	X																	
360-24582-21	1	T	13:27	X	X	X																	
ZZZZZZ			13:30																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:39																				
CCV 360-49209/58	1		14:09	X	X	X																	
CCB 360-49209/59	1		14:12	X	X	X																	
CCV 360-49209/60	1		15:53	X	X	X																	
CCB 360-49209/61	1		15:56	X	X	X																	
ICSA 360-49209/62	1		15:59	X	X	X																	
ICSAB 360-49209/63	1		16:02	X	X	X																	
ZZZZZZ			16:05																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 09/18/2009 08:56 End Date: 09/18/2009 10:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 360-49149/1 IC			08:56	X																			
STD01REP2 360-49149/2 IC			08:57	X																			
STD02REP1 360-49149/3 IC			08:59	X																			
STD02REP2 360-49149/4 IC			09:01	X																			
STD03REP1 360-49149/5 IC			09:03	X																			
STD03REP2 360-49149/6 IC			09:05	X																			
STD04REP1 360-49149/7 IC			09:06	X																			
STD04REP2 360-49149/8 IC			09:09	X																			
STD05REP1 360-49149/9 IC			09:11	X																			
STD05REP2 360-49149/10 IC			09:13	X																			
STD06REP1 360-49149/11 IC			09:15	X																			
STD06REP2 360-49149/12 IC			09:17	X																			
STD01REP1 360-49149/13 IC			09:19	X																			
STD01REP2 360-49149/14 IC			09:21	X																			
STD02REP1 360-49149/15 IC			09:23	X																			
STD02REP2 360-49149/16 IC			09:25	X																			
ICV 360-49149/17	1		09:26	X																			
ZZZZZZ			09:28																				
ZZZZZZ			09:30																				
ICB 360-49149/20	1		09:32	X																			
MB 360-49066/1-A	1	T	09:34	X																			
LCS 360-49066/2-A	1	T	09:36	X																			
LCSD 360-49066/3-A	1	T	09:38	X																			
360-24582-4	1	T	09:40	X																			
360-24582-4 DU	1	T	09:42	X																			
360-24582-4 MS	1	T	09:44	X																			
ZZZZZZ			09:46																				
ZZZZZZ			09:48																				
ZZZZZZ			09:50																				
ZZZZZZ			09:51																				
CCV 360-49149/31	1		09:54	X																			
CCB 360-49149/32	1		09:56	X																			
ZZZZZZ			09:58																				
ZZZZZZ			09:59																				
ZZZZZZ			10:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 09/18/2009 08:56 End Date: 09/18/2009 10:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			10:03																				
ZZZZZZ			10:05																				
ZZZZZZ			10:07																				
ZZZZZZ			10:09																				
ZZZZZZ			10:11																				
ZZZZZZ			10:12																				
ZZZZZZ			10:14																				
CCV 360-49149/43	1		10:16	X																			
CCB 360-49149/44	1		10:18	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/18/2009 10:36 End Date: 09/18/2009 14:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 360-49177/1 IC			10:36	X																			
STD01REP2 360-49177/2 IC			10:37	X																			
STD02REP1 360-49177/3 IC			10:39	X																			
STD02REP2 360-49177/4 IC			10:41	X																			
STD03REP1 360-49177/5 IC			10:43	X																			
STD03REP2 360-49177/6 IC			10:45	X																			
STD04REP1 360-49177/7 IC			10:48	X																			
STD04REP2 360-49177/8 IC			10:49	X																			
STD05REP1 360-49177/9 IC			10:51	X																			
STD05REP2 360-49177/10 IC			10:53	X																			
STD06REP1 360-49177/11 IC			10:55	X																			
STD06REP2 360-49177/12 IC			10:57	X																			
STD01REP1 360-49177/13 IC			10:59	X																			
STD01REP2 360-49177/14 IC			11:01	X																			
STD02REP1 360-49177/15 IC			11:04	X																			
STD02REP2 360-49177/16 IC			11:05	X																			
ICV 360-49177/17	1		11:07	X																			
ZZZZZZ			11:09																				
ICB 360-49177/19	1		11:11	X																			
ZZZZZZ			11:31																				
ZZZZZZ			11:33																				
ZZZZZZ			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
ZZZZZZ			11:42																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:48																				
CCV 360-49177/30			11:50																				
CCB 360-49177/31			11:51																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:57																				
ZZZZZZ			11:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/18/2009 10:36 End Date: 09/18/2009 14:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:01																				
ZZZZZZ			12:02																				
ZZZZZZ			12:05																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
ZZZZZZ			12:10																				
CCV 360-49177/42	1		12:12	X																			
CCB 360-49177/43	1		12:14	X																			
ZZZZZZ			12:16																				
MB 360-49130/1-A	1	T	12:22	X																			
LCS 360-49130/2-A	1	T	12:24	X																			
LCSD 360-49130/3-A	1	T	12:26	X																			
360-24582-22	1	T	12:27	X																			
360-24582-22 DU	1	T	12:29	X																			
360-24582-22 MS	1	T	12:31	X																			
360-24582-1	1	T	12:33	X																			
360-24582-5	1	T	12:35	X																			
360-24582-6	1	T	12:36	X																			
CCV 360-49177/54	1		12:38	X																			
CCB 360-49177/55	1		12:40	X																			
360-24582-7	1	T	12:57	X																			
360-24582-9	1	T	12:58	X																			
360-24582-10	1	T	13:00	X																			
360-24582-11	1	T	13:02	X																			
360-24582-12	1	T	13:04	X																			
360-24582-13	1	T	13:06	X																			
360-24582-14	1	T	13:08	X																			
360-24582-16	1	T	13:09	X																			
360-24582-17	1	T	13:11	X																			
360-24582-19	1	T	13:14	X																			
CCV 360-49177/66	1		13:16	X																			
CCB 360-49177/67	1		13:18	X																			
360-24582-20	1	T	13:20	X																			
360-24582-21	1	T	13:22	X																			
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:16																				
ZZZZZZ			14:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/18/2009 10:36 End Date: 09/18/2009 14:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 360-49177/78	1		14:20	X																			
CCB 360-49177/79	1		14:21	X																			
ZZZZZZ			14:23																				
ZZZZZZ			14:25																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:34																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
CCV 360-49177/90			14:42																				
CCB 360-49177/91			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:52																				
CCV 360-49177/95			14:54																				
CCB 360-49177/96			14:56																				

Prep Types

T = Total/NA

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
EMN	9-14-09	24499-7	6010 / All Targets	2 mL	10 mL	5 x	dil for Al (s)
YB	9-15-09	24251-2	6010 / All targets	5 mL	10 mL	2 X	dil for Al (s)
EMN	9-16-09	24607-1	6010 / Pb	2 mL	10 mL	5 x	Fe (s) and Pb (s)
EMN	9-18-09	24173-2	6010 / All targets	5 mL	10 mL	2 X	Al (s)
↓	↓	24173-5	↓	2 mL	↓	5 X	↓ also Mg (s)
		24223-2		5 mL		2 X	also K (s)
↓	↓	24223-14	↓	5 mL	↓	2 X	↓
YB	9-24-09	24309-18	6010 / All targets	5 mL	10 mL	2 X	Al (s)
YB	9-24-09	24766-3	6010 / Pb	2 mL	10 mL	5 X	Al (s) target: Pb only
EMN	9-22-09	24634-5	6010 / Ca	5 mL	10 mL	2 X	Ca
↓	↓	24634-6	6010 / Ca	5 mL	↓	2 X	Ca
		24634-9	6010 / Ca	2 mL		5 X	Ca
		24634-13	6010 / Ca	5 mL		2 X	Ca
↓	↓	24682-1	6010 / Pb	2 mL	↓	5 X	Pb (Al-S)
~~9-25~~ YB	9-25-09	24665-16	6010 / all targets	5 mL	10 mL	2 X	Al (S)

TestAmerica
53 Southampton Road
Westfield, MA

WinHg Database 1.4

File Utility Help

Protocol mercury

Dataset/Proto 09-18-09/mercury

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 2.45192e-5

C -3.16662e-2

Rho .999902

Type Linear

Calibrated

Accepted

Accept

Rel. Abs.
407347

Accepted

New

Conc. 10.0

Include S1 Rep 1 ☑ 2 ☑ 3 ☐ 4 ☐ 5 ☐

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.042	-.042	-439	1753	-1677	801	-142 ?
02	.20000	.147	-.053	7289	15.04%	6514	8064	
03	.50000	.506	.006	21909	8.38%	20612	23207	
04	1.0000	1.06	.059	44500	4.38%	45878	43122	
05	5.0000	5.07	.074	208241	0.11%	208079	208402	
06	10.000	9.96	-.044	407348	0.17%	407830	406866	

Ready NUM

Line Conc. Units SD/RSD 1 2 3 4 5

*** Standard: 1 Rep: 1 Seq: 18 08:56:11 18 Sep 09 HG

Hg .000 ppb 3640

*** Standard: 1 Rep: 2 Seq: 19 08:57:54 18 Sep 09 HG

Hg .000 ppb -4975

*** Standard: 2 Rep: 1 Seq: 20 08:59:36 18 Sep 09 HG

Hg .200 ppb 7597

*** Standard: 2 Rep: 2 Seq: 21 09:01:23 18 Sep 09 HG

Hg .200 ppb 6289

*** Standard: 3 Rep: 1 Seq: 22 09:03:08 18 Sep 09 HG

Hg .500 ppb 20612

*** Standard: 3 Rep: 2 Seq: 23 09:05:02 18 Sep 09 HG

Hg .500 ppb 23207

*** Standard: 4 Rep: 1 Seq: 24 09:06:43 18 Sep 09 HG

Hg 1.00 ppb 45877

*** Standard: 4 Rep: 2 Seq: 25 09:09:14 18 Sep 09 HG

Hg 1.00 ppb 43122

*** Standard: 5 Rep: 1 Seq: 26 09:11:08 18 Sep 09 HG

Hg 5.00 ppb 208078

*** Standard: 5 Rep: 2 Seq: 27 09:13:21 18 Sep 09 HG

Hg 5.00 ppb 208402

*** Standard: 6 Rep: 1 Seq: 28 09:15:06 18 Sep 09 HG

Hg 10.0 ppb 407829

*** Standard: 6 Rep: 2 Seq: 29 09:17:39 18 Sep 09 HG

Hg 10.0 ppb 406866

*** Standard: 1 Rep: 1 Seq: 30 09:19:45 18 Sep 09 HG

Hg .000 ppb -1677

*** Standard: 1 Rep: 2 Seq: 31 09:21:39 18 Sep 09 HG

Hg .000 ppb 801

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 2 Rep: 1              Seq:  32      09:23:30 18 Sep 09   HG

Hg    .200    ppb      6514

*** Standard: 2 Rep: 2              Seq:  33      09:25:12 18 Sep 09   HG

Hg    .200    ppb      8064

*** Check Standard: 2  Ck2ICV       Seq:  34      09:26:55 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.12    5.00   ppb        .000

*** Check Standard: 3  Ck3IPC       Seq:  35      09:28:41 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.14    5.00   ppb        .000

*** Check Standard: 5  Ck5ICB       Seq:  36      09:30:32 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.     .108    .100   ppb        .000

*** Check Standard: 5  Ck5ICB       Seq:  37      09:32:59 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          54.0     .054    .100   ppb        .000

*** Sample ID: MB                    Seq:  38      09:34:41 18 Sep 09   HG
                           49066
Hg    .011    ppb       .000      .011

================================================================================
*** Sample ID: LCS                   Seq:  39      09:36:22 18 Sep 09   HG

Hg    4.98    ppb       .000      4.98
                                                                              =
================================================================================
*** Sample ID: LCSD                  Seq:  40      09:38:47 18 Sep 09   HG

Hg    4.89    ppb       .000      4.89
                                                                              =
================================================================================
*** Sample ID: 24582F4D              Seq:  41      09:40:38 18 Sep 09   HG

Hg    .057    ppb       .000      .057
                                                                              =
================================================================================
*** Sample ID: 24582F4E              Seq:  42      09:42:41 18 Sep 09   HG
                              DU
Hg    .039    ppb       .000      .039
                                                                              =
================================================================================
*** Sample ID: 24582F4F              Seq:  43      09:44:23 18 Sep 09   HG
                              MS
Hg    5.11    ppb       .000      5.11
                                                                              =
================================================================================
*** Sample ID: 24633F1A              Seq:  44      09:46:28 18 Sep 09   HG

Hg   -.022    ppb       .000     -.022
                                                                              =
```

```
================================================================================
 STL-WESTFIELD                  Folder:   09-18-09                      Page  517
                              Protocol: mercury
                             ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24633F2A              Seq:  45     09:48:12 18 Sep 09   HG

Hg   -.037    ppb       .000     -.037
                                                                              =
================================================================================
*** Sample ID: 24633F3A              Seq:  46     09:50:18 18 Sep 09   HG

Hg    .006    ppb       .000      .006
                                                                              =
================================================================================
*** Sample ID: 24633F4A              Seq:  47     09:51:59 18 Sep 09   HG

Hg   -.021    ppb       .000     -.021
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  48      09:54:04 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.     5.25    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  49      09:56:20 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.159     .100     ppb        .000
                                                                              =
*** Sample ID: 24633F5A              Seq:  50     09:58:02 18 Sep 09   HG

Hg    .105    ppb       .000      .105
                                                                              =
================================================================================
*** Sample ID: 24633F6A              Seq:  51     09:59:45 18 Sep 09   HG

Hg    .069    ppb       .000      .069
                                                                              =
================================================================================
*** Sample ID: 24633F7A              Seq:  52     10:01:59 18 Sep 09   HG

Hg   -.109    ppb       .000     -.109
                                                                              =
================================================================================
*** Sample ID: 24633F9A              Seq:  53     10:03:44 18 Sep 09   HG

Hg   -.010    ppb       .000     -.010
                                                                              =
================================================================================
*** Sample ID: 24633F10A             Seq:  54     10:05:36 18 Sep 09   HG

Hg    .204    ppb       .000      .204
                                                                              =
================================================================================
*** Sample ID: 24633F11B             Seq:  55     10:07:18 18 Sep 09   HG

Hg   -.067    ppb       .000     -.067
                                                                              =
================================================================================
*** Sample ID: 24634H18D             Seq:  56     10:09:14 18 Sep 09   HG

Hg   -.179    ppb       .000     -.179
                                                                              =
```

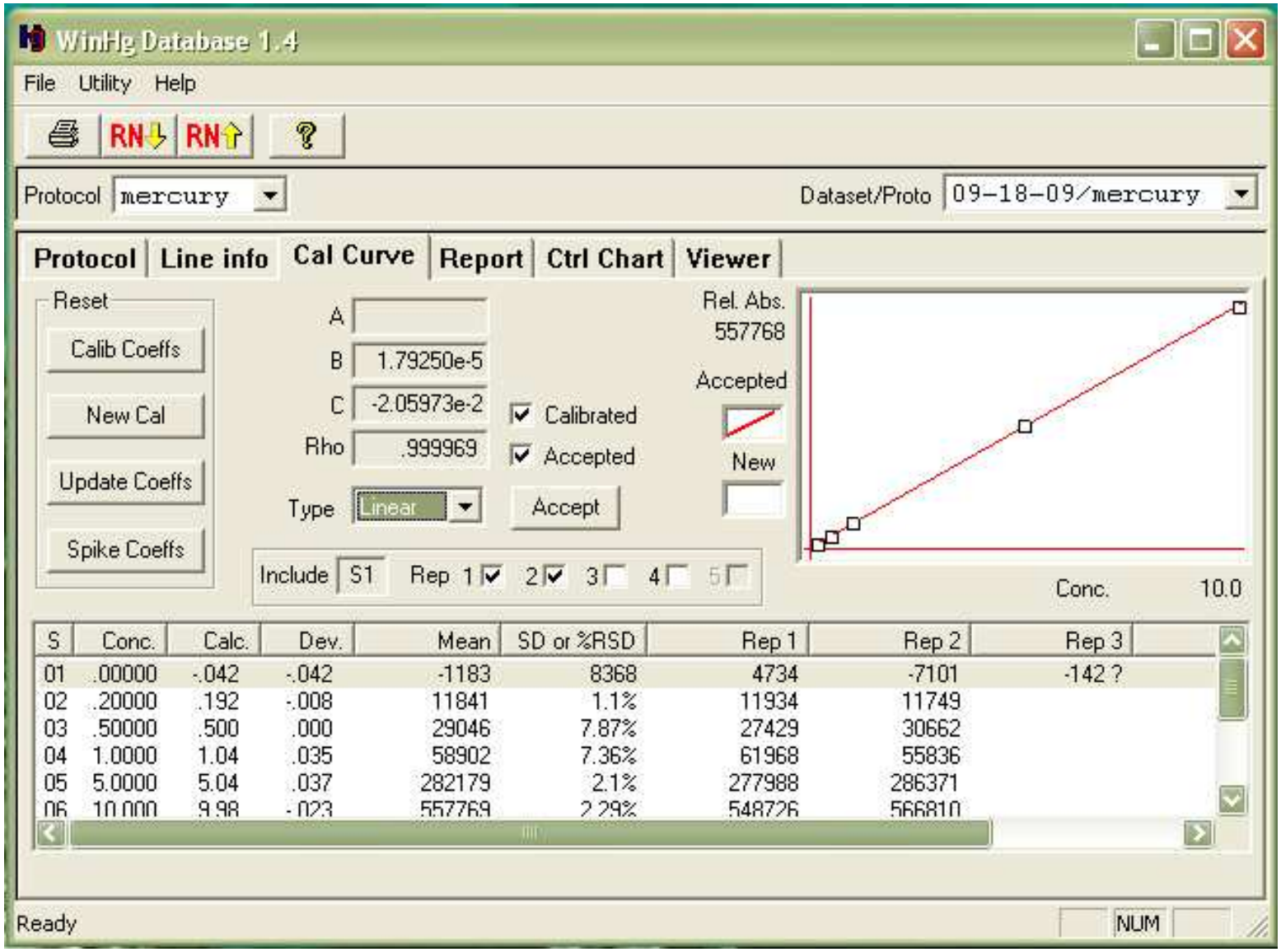
```
================================================================================
 STL-WESTFIELD                  Folder:   09-18-09                      Page  518
                              Protocol: mercury
                             ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: LB                     Seq:  57     10:11:05 18 Sep 09   HG

Hg    .047    ppb       .000      .047
                                                                                =
================================================================================
*** Sample ID: 24494A3E               Seq:  58     10:12:51 18 Sep 09   HG

Hg   -.108    ppb       .000     -.108
                                                                                =
================================================================================
*** Sample ID: 24494A3F               Seq:  59     10:14:44 18 Sep 09   HG
                             MS
Hg    5.05    ppb       .000      5.05
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  60      10:16:38 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.15    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  61      10:18:21 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .038     .100     ppb        .000
                                                                                =

```


WinHg Database 1.4
File Utility Help
RN RN
Protocol mercury
Dataset/Proto 09-18-09/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.79250e-5
C -2.05973e-2
Rho .999969
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
557768
Accepted
New
Include S1 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.042 -.042 -1183 8368 4734 -7101 -142 ?
02 .20000 .192 -.008 11841 1.1% 11934 11749
03 .50000 .500 .000 29046 7.87% 27429 30662
04 1.0000 1.04 .035 58902 7.36% 61968 55836
05 5.0000 5.04 .037 282179 2.1% 277988 286371
06 10.000 9.98 -.023 557769 2.29% 548726 566810
Ready
NUM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  62      10:36:04 18 Sep 09   HG
Hg    .000    ppb      -3901
                                                                        =
*** Standard: 1 Rep: 2              Seq:  63      10:37:48 18 Sep 09   HG
Hg    .000    ppb      758
                                                                        =
*** Standard: 2 Rep: 1              Seq:  64      10:39:53 18 Sep 09   HG
Hg    .200    ppb      17951
                                                                        =
*** Standard: 2 Rep: 2              Seq:  65      10:41:36 18 Sep 09   HG
Hg    .200    ppb      9217
                                                                        =
*** Standard: 3 Rep: 1              Seq:  66      10:43:38 18 Sep 09   HG
Hg    .500    ppb      27429
                                                                        =
*** Standard: 3 Rep: 2              Seq:  67      10:45:39 18 Sep 09   HG
Hg    .500    ppb      30662
                                                                        =
*** Standard: 4 Rep: 1              Seq:  68      10:48:01 18 Sep 09   HG
Hg    1.00    ppb      61968
                                                                        =
*** Standard: 4 Rep: 2              Seq:  69      10:49:43 18 Sep 09   HG
Hg    1.00    ppb      55836
                                                                        =
*** Standard: 5 Rep: 1              Seq:  70      10:51:34 18 Sep 09   HG
Hg    5.00    ppb      277988
                                                                        =
*** Standard: 5 Rep: 2              Seq:  71      10:53:18 18 Sep 09   HG
Hg    5.00    ppb      286371
                                                                        =
*** Standard: 6 Rep: 1              Seq:  72      10:55:13 18 Sep 09   HG
Hg    10.0    ppb      548726
                                                                        =
*** Standard: 6 Rep: 2              Seq:  73      10:57:00 18 Sep 09   HG
Hg    10.0    ppb      566810
                                                                        =
*** Standard: 1 Rep: 1              Seq:  74      10:59:51 18 Sep 09   HG
Hg    .000    ppb      4734
                                                                        =
*** Standard: 1 Rep: 2              Seq:  75      11:01:57 18 Sep 09   HG
Hg    .000    ppb      -7101
                                                                        =
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 2 Rep: 1              Seq:  76      11:04:07 18 Sep 09   HG

Hg    .200    ppb      11934
                                                                              =
*** Standard: 2 Rep: 2              Seq:  77      11:05:49 18 Sep 09   HG

Hg    .200    ppb      11749
                                                                              =
*** Check Standard: 2  Ck2ICV       Seq:  78      11:07:32 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.14    5.00   ppb        .000
                                                                              =
*** Check Standard: 3  Ck3IPC       Seq:  79      11:09:36 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.4     4.97    5.00   ppb        .000
                                                                              =
*** Check Standard: 5  Ck5ICB       Seq:  80      11:11:22 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -7.85    -.008    .100   ppb        .000
                                                                              =
*** Sample ID: MB                    Seq:  81     11:31:57 18 Sep 09   HG
                           49092
Hg   -.002    ppb       .000     -.002
                                                                              =
==============================================================================
*** Sample ID: LCS                   Seq:  82     11:33:38 18 Sep 09   HG

Hg    5.26    ppb       .000      5.26
                                                                              =
==============================================================================
*** Sample ID: LCSD                  Seq:  83     11:35:22 18 Sep 09   HG

Hg    5.21    ppb       .000      5.21
                                                                              =
==============================================================================
*** Sample ID: 24563A5G              Seq:  84     11:37:04 18 Sep 09   HG

Hg   -.003    ppb       .000     -.003
                                                                              =
==============================================================================
*** Sample ID: 24563A5H              Seq:  85     11:38:44 18 Sep 09   HG
                           DU
Hg   -.100    ppb       .000     -.100
                                                                              =
==============================================================================
*** Sample ID: 24563A5I              Seq:  86     11:40:26 18 Sep 09   HG
                           MS
Hg    5.19    ppb       .000      5.19
                                                                              =
==============================================================================
*** Sample ID: 24563A1C              Seq:  87     11:42:29 18 Sep 09   HG

Hg    .134    ppb       .000      .134
                                                                              =
==============================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24563A2C              Seq:  88     11:44:25 18 Sep 09   HG

Hg   -.005    ppb       .000     -.005
                                                                              =
================================================================================
*** Sample ID: 24563A4C              Seq:  89     11:46:28 18 Sep 09   HG

Hg    .141    ppb       .000      .141
                                                                              =
================================================================================
*** Sample ID: 24563A6C              Seq:  90     11:48:19 18 Sep 09   HG

Hg    .112    ppb       .000      .112
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  91      11:50:03 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.01    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  92      11:51:56 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.064     .100     ppb        .000
                                                                              =
*** Sample ID: 24563A9C              Seq:  93     11:53:51 18 Sep 09   HG

Hg   -.053    ppb       .000     -.053
                                                                              =
================================================================================
*** Sample ID: 24563A11C             Seq:  94     11:55:54 18 Sep 09   HG

Hg   -.041    ppb       .000     -.041
                                                                              =
================================================================================
*** Sample ID: 24563A12C             Seq:  95     11:57:39 18 Sep 09   HG

Hg    .040    ppb       .000      .040
                                                                              =
================================================================================
*** Sample ID: 24563A13B             Seq:  96     11:59:25 18 Sep 09   HG

Hg   -.002    ppb       .000     -.002
                                                                              =
================================================================================
*** Sample ID: 24563A14C             Seq:  97     12:01:05 18 Sep 09   HG

Hg   -.020    ppb       .000     -.020
                                                                              =
================================================================================
*** Sample ID: 24563A14D             Seq:  98     12:02:50 18 Sep 09   HG
                             MS
Hg    4.94    ppb       .000      4.94
                                                                              =
================================================================================
*** Sample ID: 24563A15B             Seq:  99     12:05:12 18 Sep 09   HG

Hg    .585    ppb       .000      .585
                                                                              =
================================================================================
 STL-WESTFIELD                 Folder:   09-18-09                     Page  522
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 3
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24563A16B             Seq:  100    12:07:05 18 Sep 09   HG

Hg    .653    ppb       .000      .653
                                                                              =
================================================================================
*** Sample ID: 24631A1F              Seq:  101    12:09:07 18 Sep 09   HG

Hg    .104    ppb       .000      .104
                                                                              =
================================================================================
*** Sample ID: 24613A1B              Seq:  102    12:10:51 18 Sep 09   HG

Hg    .005    ppb       .000      .005
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  103     12:12:35 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  104     12:14:49 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.066     .100     ppb        .000
                                                                              =
*** Sample ID: 24611A1D              Seq:  105    12:16:56 18 Sep 09   HG

Hg   -.095    ppb       .000     -.095
                                                                              =
================================================================================
*** Sample ID: MB                    Seq:  106    12:22:21 18 Sep 09   HG
                            49130
Hg   -.106    ppb       .000     -.106
                                                                              =
================================================================================
*** Sample ID: LCS                   Seq:  107    12:24:22 18 Sep 09   HG

Hg    5.41    ppb       .000      5.41
                                                                              =
================================================================================
*** Sample ID: LCSD                  Seq:  108    12:26:03 18 Sep 09   HG

Hg    5.30    ppb       .000      5.30
                                                                              =
================================================================================
*** Sample ID: 24582A22G             Seq:  109    12:27:46 18 Sep 09   HG

Hg    .731    ppb       .000      .731
                                                                              =
================================================================================
*** Sample ID: 24582A22H             Seq:  110    12:29:26 18 Sep 09   HG
                            DU
Hg    .206    ppb       .000      .206
                                                                              =
================================================================================
*** Sample ID: 24582A22I             Seq:  111    12:31:09 18 Sep 09   HG
                            MS
Hg    5.51    ppb       .000      5.51
                                                                              =
================================================================================
 STL-WESTFIELD                 Folder:   09-18-09                     Page  523
                            Protocol: mercury
                           ***POST-RUN REPORT***
                                   Page 4
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24582A1B              Seq:  112    12:33:01 18 Sep 09   HG

Hg    .024    ppb       .000      .024
                                                                              =
================================================================================
*** Sample ID: 24582A5B              Seq:  113    12:35:04 18 Sep 09   HG

Hg    .396    ppb       .000      .396
                                                                              =
================================================================================
*** Sample ID: 24582A6B              Seq:  114    12:36:55 18 Sep 09   HG

Hg    .090    ppb       .000      .090
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  115     12:38:39 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.03    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  116     12:40:29 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.076     .100     ppb        .000
                                                                              =
*** Sample ID: 24582A7B              Seq:  123    12:57:00 18 Sep 09   HG

Hg    .479    ppb       .000      .479
                                                                              =
================================================================================
*** Sample ID: 24582A9C              Seq:  124    12:58:43 18 Sep 09   HG

Hg    1.96    ppb       .000      1.96
                                                                              =
================================================================================
*** Sample ID: 24582A10B             Seq:  125    13:00:39 18 Sep 09   HG

Hg   -.004    ppb       .000     -.004
                                                                              =
================================================================================
*** Sample ID: 24582A11B             Seq:  126    13:02:26 18 Sep 09   HG

Hg    .230    ppb       .000      .230
                                                                              =
================================================================================
*** Sample ID: 24582A12B             Seq:  127    13:04:23 18 Sep 09   HG

Hg    .095    ppb       .000      .095
                                                                              =
================================================================================
*** Sample ID: 24582A13B             Seq:  128    13:06:18 18 Sep 09   HG

Hg    .355    ppb       .000      .355
                                                                              =
================================================================================
*** Sample ID: 24582A14C             Seq:  129    13:08:12 18 Sep 09   HG

Hg    .261    ppb       .000      .261
                                                                              =
================================================================================
 STL-WESTFIELD                 Folder:   09-18-09                     Page  524
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 5
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24582A16B             Seq:  130    13:09:54 18 Sep 09   HG

Hg    .046    ppb       .000      .046
                                                                              =
================================================================================
*** Sample ID: 24582A17C             Seq:  131    13:11:41 18 Sep 09   HG

Hg    .051    ppb       .000      .051
                                                                              =
================================================================================
*** Sample ID: 24582A19B             Seq:  132    13:14:04 18 Sep 09   HG

Hg   -.049    ppb       .000     -.049
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  133     13:16:57 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.13    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  134     13:18:59 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .020     .100     ppb        .000
                                                                              =
*** Sample ID: 24582A20B             Seq:  135    13:20:52 18 Sep 09   HG

Hg    .120    ppb       .000      .120
                                                                              =
================================================================================
*** Sample ID: 24582A21C             Seq:  136    13:22:37 18 Sep 09   HG

Hg    .233    ppb       .000      .233
                                                                              =
================================================================================
*** Sample ID: MB                    Seq:  137    14:04:44 18 Sep 09   HG
                            49131
Hg   -.144    ppb       .000     -.144
                                                                              =
================================================================================
*** Sample ID: LCS                   Seq:  138    14:06:30 18 Sep 09   HG

Hg    4.85    ppb       .000      4.85
                                                                              =
================================================================================
*** Sample ID: LCSD                  Seq:  139    14:08:11 18 Sep 09   HG

Hg    4.97    ppb       .000      4.97
                                                                              =
================================================================================
*** Sample ID: 24634A1D              Seq:  140    14:10:07 18 Sep 09   HG

Hg    .078    ppb       .000      .078
                                                                              =
================================================================================
*** Sample ID: 24634A1E              Seq:  141    14:12:11 18 Sep 09   HG
                            DU
Hg    .134    ppb       .000      .134
                                                                              =
================================================================================
 STL-WESTFIELD                 Folder:   09-18-09                     Page  525
                            Protocol: mercury
                           ***POST-RUN REPORT***
                                   Page 6
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24634A1F              Seq:  142    14:14:13 18 Sep 09   HG
                          MS
Hg    5.25    ppb       .000      5.25
                                                                              =
================================================================================
*** Sample ID: 24634A2A              Seq:  143    14:16:15 18 Sep 09   HG

Hg    .141    ppb       .000      .141
                                                                              =
================================================================================
*** Sample ID: 24634A3A              Seq:  144    14:17:57 18 Sep 09   HG

Hg    .228    ppb       .000      .228
                                                                              =
*** Check Standard: 4  Ck4CCV       Seq:  145     14:20:09 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.5     4.97    5.00   ppb        .000
                                                                              =
*** Check Standard: 1  Ck1CCB       Seq:  146     14:21:54 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      H   .118     .100     ppb        .000
                                                                              =
*** Sample ID: 24634A4A              Seq:  147    14:23:35 18 Sep 09   HG

Hg   -.072    ppb       .000     -.072
                                                                              =
================================================================================
*** Sample ID: 24634A5A              Seq:  148    14:25:18 18 Sep 09   HG

Hg   -.013    ppb       .000     -.013
                                                                              =
================================================================================
*** Sample ID: 24634A6A              Seq:  149    14:27:00 18 Sep 09   HG

Hg    .113    ppb       .000      .113
                                                                              =
================================================================================
*** Sample ID: 24634A7A              Seq:  150    14:28:45 18 Sep 09   HG

Hg   -.073    ppb       .000     -.073
                                                                              =
================================================================================
*** Sample ID: 24634A8A              Seq:  151    14:30:57 18 Sep 09   HG

Hg    .074    ppb       .000      .074
                                                                              =
================================================================================
*** Sample ID: 24634A9A              Seq:  152    14:32:44 18 Sep 09   HG

Hg    .090    ppb       .000      .090
                                                                              =
================================================================================
*** Sample ID: 24634A10A             Seq:  153    14:34:51 18 Sep 09   HG

Hg   -.039    ppb       .000     -.039
                                                                              =
================================================================================
 STL-WESTFIELD                 Folder:   09-18-09                     Page  526
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 7
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24634A11A             Seq:  154    14:36:32 18 Sep 09   HG

Hg    .161    ppb       .000      .161
                                                                                =
================================================================================
*** Sample ID: 24634A12A             Seq:  155    14:38:23 18 Sep 09   HG

Hg    .038    ppb       .000      .038
                                                                                =
================================================================================
*** Sample ID: 24634A13A             Seq:  156    14:40:08 18 Sep 09   HG

Hg    .114    ppb       .000      .114
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  157     14:42:05 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.10    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  158     14:44:12 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .060     .100     ppb        .000
                                                                                =
*** Sample ID: 24634A14A             Seq:  159    14:46:27 18 Sep 09   HG

Hg    .075    ppb       .000      .075
                                                                                =
================================================================================
*** Sample ID: 24634A15A             Seq:  160    14:49:59 18 Sep 09   HG

Hg    .159    ppb       .000      .159
                                                                                =
================================================================================
*** Sample ID: 24634A16A             Seq:  161    14:52:32 18 Sep 09   HG

Hg    .401    ppb       .000      .401
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  162     14:54:37 18 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.4     4.92    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  163     14:56:38 18 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.083     .100     ppb        .000
                                                                                =
```

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Blank (Blk) **9/15/2009, 10:35:32 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	1.716	27.1	6.33203
Al 237.312	0.000000	ug/L	1.022	18.9	5.40253
As 188.980	0.000000	ug/L	0.650	39.9	1.62943
B 249.678	0.000000	ug/L	4.796	24.5	19.5581
Ba 493.408	0.000000	ug/L	3.954	4.8	82.0557
Be 313.042	0.000000	ug/L	0.432	1.1	-39.4146
Ca 373.690	0.000000	ug/L	5.159	26.0	19.8186
Cd 214.439	0.000000	ug/L	0.910	28.2	3.22795
Co 228.615	0.000000	ug/L	2.505	16.9	14.8592
Cr 267.716	0.000000	ug/L	1.409	4.5	31.1703
Cu 327.395	0.000000	ug/L	2.808	4.5	62.9424
Fe 273.955	0.000000	ug/L	5.150	30.3	17.0196
K 404.721	0.000000	ug/L	3.977	31.8	12.4948
Li 610.365	0.000000	ug/L	7.786	78.6	9.90625
Mg 279.078	0.000000	ug/L	3.383	40.2	8.41022
Mn 257.610	0.000000	ug/L	1.755	6.6	26.6005
Mo 202.032	0.000000	ug/L	0.289	4.7	6.18761
Na 330.237	0.000000	ug/L	1.270	12.1	10.4952
Ni 216.555	0.000000	ug/L	0.234	9.5	2.46490
Pb 220.353	0.000000	ug/L	1.217	20.0	6.07776
Sb 217.582	0.000000	ug/L	0.655	49.4	1.32535
Se 196.026	0.000000	ug/L	1.060	38.3	2.76796
Si 251.611	0.000000	ug/L	3.032	6.0	50.4406
Si 288.158	0.000000	ug/L	4.888	1.3	387.968
Sn 283.998	0.000000	ug/L	2.154	18.1	11.8833
Sr 421.552	0.000000	ug/L	0.105	0.6	16.1653
Ti 336.122	0.000000	ug/L	0.212	0.6	37.1941
Tl 190.794	0.000000	ug/L	0.707	35.0	2.02061
V 292.401	0.000000	ug/L	6.092	32.7	18.6514
Zn 202.548	0.000000	ug/L	1.158	23.8	4.86511
Zr 339.198	0.000000	ug/L	0.580	18.1	3.19495

Standard 1 (Std) **9/15/2009, 10:38:25 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	15.093	0.2	8700.97
Al 237.312	5000.00	ug/L	85.867	0.4	22808.8
As 188.980	1000.00	ug/L	0.681	0.1	1119.55
B 249.678	1000.00	ug/L	432.265	1.5	29737.0
Ba 493.408	1000.00	ug/L	10521.749	0.4	2513048
Be 313.042	1000.00	ug/L	10451.922	0.3	3451924
Ca 373.690	20000.0	ug/L	397.654	0.4	102219
Cd 214.439	1000.00	ug/L	113.195	0.3	40528.2
Co 228.615	1000.00	ug/L	34.012	0.4	9229.60
Cr 267.716	1000.00	ug/L	169.487	0.3	48860.0
Cu 327.395	1000.00	ug/L	41.659	0.1	67749.4
Fe 273.955	5000.00	ug/L	262.701	0.3	79623.4
K 404.721	20000.0	ug/L	4.306	1.4	301.211
Li 610.365	5000.00	ug/L	1058.119	0.3	381796
Mg 279.078	20000.0	ug/L	314.983	0.3	92714.9
Mn 257.610	1000.00	ug/L	795.296	0.3	297854
Mo 202.032	1000.00	ug/L	22.754	0.3	9071.97
Na 330.237	20000.0	ug/L	6.340	0.2	2848.52

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	3.076	0.0	8620.02
Pb 220.353	1000.00	ug/L	8.763	0.2	5205.26
Sb 217.582	1000.00	ug/L	13.287	0.7	1915.40
Se 196.026	1000.00	ug/L	1.208	0.2	554.196
Si 251.611	1000.00	ug/L	39.142	0.7	5464.86
Si 288.158	1000.00	ug/L	108.375	0.9	12246.2
Sn 283.998	1000.00	ug/L	21.938	0.5	4578.34
Sr 421.552	1000.00	ug/L	9482.655	0.4	2442631
Ti 336.122	1000.00	ug/L	1622.898	0.7	246218
Tl 190.794	1000.00	ug/L	2.342	0.3	809.465
V 292.401	1000.00	ug/L	158.850	0.4	39857.7
Zn 202.548	1000.00	ug/L	67.661	0.3	23536.5
Zr 339.198	1000.00	ug/L	482.705	0.8	58910.3

Standard 2 (Std) **9/15/2009, 10:41:17 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	101.133	0.1	106429
Ca 373.690	100000	ug/L	3898.191	0.8	474037
Fe 273.955	25000.0	ug/L	116.010	0.0	355340
K 404.721	100000	ug/L	7.269	0.4	1790.76
Mg 279.078	100000	ug/L	190.742	0.0	434306
Na 330.237	100000	ug/L	12.585	0.1	16144.0

RB (ICV) **9/15/2009, 10:44:12 AM** **Rack 0, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.085095uv	ug/L	0.269752	317.0	5.59216	-
Al 237.312	0.720363uv	ug/L	1.34909	187.3	8.74255	-
As 188.980	2.87117	ug/L	1.36874	47.7	4.83916	-
B 249.678	6.50440	ug/L	0.347672	5.3	212.853	-
Ba 493.408	0.205701	ug/L	0.177453	86.3	598.977	-
Be 313.042	0.185329	ug/L	0.140189	75.6	600.334	-
Ca 373.690	3.58557	ug/L	3.09184	86.2	38.4722	-
Cd 214.439	0.194354	ug/L	0.137350	70.7	11.1042	-
Co 228.615	0.047382uv	ug/L	0.333863	704.6	15.2958	-
Cr 267.716	0.091820uv	ug/L	0.186914	203.6	35.6538	-
Cu 327.395	0.202991	ug/L	0.048770	24.0	76.6821	-
Fe 273.955	2.85952	ug/L	1.70897	59.8	63.7672	-
K 404.721	-64.2242uv	ug/L	351.132	546.7	11.6221	-
Li 610.365	-0.242013uv	ug/L	0.266438	110.1	-8.57324	-
Mg 279.078	3.40755	ug/L	1.77954	52.2	24.4543	-
Mn 257.610	0.182472	ug/L	0.148940	81.6	80.9457	-
Mo 202.032	2.62401	ug/L	0.665615	25.4	29.9763	-
Na 330.237	-1.23550uv	ug/L	10.6696	863.6	10.3259	-
Ni 216.555	0.186010	ug/L	0.157976	84.9	4.06786	-
Pb 220.353	0.245905uv	ug/L	0.464524	188.9	7.35626	-
Sb 217.582	0.786951	ug/L	0.498917	63.4	2.83163	-
Se 196.026	7.53045	ug/L	2.95247	39.2	6.92046	-
Si 251.611	0.945650	ug/L	1.03884	109.9	55.5607	-
Si 288.158	1.62697	ug/L	1.94571	119.6	407.261	-
Sn 283.998	-0.066309uv	ug/L	0.314894	474.9	11.5805	-
Sr 421.552	0.199547	ug/L	0.165416	82.9	503.581	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.080664	ug/L	0.000201	0.2	57.0520	-
Tl 190.794	3.87619	ug/L	1.06383	27.4	5.15042	-
V 292.401	0.373467	ug/L	0.056450	15.1	33.5299	-
Zn 202.548	0.219232	ug/L	0.226817	103.5	10.0240	-
Zr 339.198	0.399339	ug/L	0.023032	5.8	26.7189	-

IPC (ICV) **9/15/2009, 10:47:07 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	995.116	ug/L	0.076822	0.0	8658.51	99.51162
Al 237.312	4981.54	ug/L	3.94537	0.1	22726.0	99.63072
As 188.980	1002.41	ug/L	0.386138	0.0	1122.24	100.24083
B 249.678	992.930	ug/L	9.08566	0.9	29526.9	99.29301
Ba 493.408	995.309	ug/L	0.002590	0.0	2501261	99.53091
Be 313.042	994.267	ug/L	0.129173	0.0	3432132	99.42666
Ca 373.690	19869.3	ug/L	8.61648	0.0	101564	99.34666
Cd 214.439	995.949	ug/L	0.805163	0.1	40364.0	99.59486
Co 228.615	994.809	ug/L	1.05466	0.1	9181.76	99.48090
Cr 267.716	995.594	ug/L	1.13494	0.1	48644.9	99.55943
Cu 327.395	999.193	ug/L	3.00361	0.3	67694.8	99.91925
Fe 273.955	4978.77	ug/L	2.70275	0.1	79294.5	99.57545
K 404.721	19544.8	ug/L	170.522	0.9	294.269	97.72420
Li 610.365	4956.12	ug/L	0.704690	0.0	378446	99.12248
Mg 279.078	19896.1	ug/L	14.3617	0.1	92240.8	99.48039
Mn 257.610	995.910	ug/L	0.132798	0.0	296636	99.59104
Mo 202.032	999.948	ug/L	1.99284	0.2	9071.49	99.99477
Na 330.237	19762.4	ug/L	70.9924	0.4	2813.67	98.81219
Ni 216.555	992.828	ug/L	1.58547	0.2	8558.21	99.28278
Pb 220.353	995.704	ug/L	3.52505	0.4	5182.92	99.57042
Sb 217.582	997.955	ug/L	3.69781	0.4	1911.49	99.79552
Se 196.026	996.809	ug/L	3.17667	0.3	552.436	99.68089
Si 251.611	991.290	ug/L	5.62315	0.6	5417.70	99.12897
Si 288.158	993.128	ug/L	6.72304	0.7	12164.7	99.31284
Sn 283.998	995.565	ug/L	0.770463	0.1	4558.09	99.55646
Sr 421.552	995.939	ug/L	0.098056	0.0	2432711	99.59389
Ti 336.122	997.867	ug/L	2.20742	0.2	245693	99.78674
Tl 190.794	994.742	ug/L	2.95833	0.3	805.219	99.47424
V 292.401	995.122	ug/L	0.657777	0.1	39663.3	99.51225
Zn 202.548	995.225	ug/L	0.457047	0.0	23424.1	99.52247
Zr 339.198	1022.74	ug/L	1.17132	0.1	60249.9	102.27403

ICV (ICV) **9/15/2009, 10:50:03 AM** **Rack 0, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1012.28	ug/L	2.09469	0.2	8807.72	101.22770
Al 237.312	1014.11	ug/L	3.30904	0.3	4691.80	101.41051
As 188.980	1007.26	ug/L	0.271639	0.0	1127.66	100.72623
B 249.678	988.878	ug/L	6.85955	0.7	29406.5	98.88779
Ba 493.408	1017.35	ug/L	0.132237	0.0	2556652	101.73516
Be 313.042	1018.88	ug/L	3.27395	0.3	3517108	101.88832
Ca 373.690	10211.2	ug/L	14.7346	0.1	52660.7	102.11186

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1019.09	ug/L	3.03477	0.3	41301.7	101.90868
Co 228.615	1022.40	ug/L	2.41281	0.2	9436.02	102.24017
Cr 267.716	1009.42	ug/L	2.08403	0.2	49319.8	100.94163
Cu 327.395	1006.05	ug/L	2.77193	0.3	68159.0	100.60506
Fe 273.955	988.264	ug/L	3.52198	0.4	16090.1	98.82637
K 404.721	9528.13	ug/L	122.865	1.3	145.867	95.28131
Li 610.365	10185.7	ug/L	9.56666	0.1	777760	101.85668
Mg 279.078	10057.9	ug/L	27.1649	0.3	46995.6	100.57934
Mn 257.610	1018.54	ug/L	2.82342	0.3	303375	101.85382
Mo 202.032	1021.41	ug/L	5.95823	0.6	9266.07	102.14104
Na 330.237	9414.57	ug/L	88.3186	0.9	1322.23	94.14572
Ni 216.555	1019.34	ug/L	2.32870	0.2	8786.66	101.93379
Pb 220.353	1022.70	ug/L	5.49674	0.5	5323.28	102.27007
Sb 217.582	1002.73	ug/L	3.85029	0.4	1920.64	100.27350
Se 196.026	1022.80	ug/L	5.42091	0.5	566.768	102.27988
Si 251.611	600.288	ug/L	25.2816	4.2	3300.65	120.05759Q
Si 288.158	596.075	ug/L	27.1528	4.6	7456.37	119.21495Q
Sn 283.998	1017.93	ug/L	6.73305	0.7	4660.21	101.79281
Sr 421.552	1012.57	ug/L	2.06405	0.2	2473333	101.25692
Ti 336.122	1006.67	ug/L	5.55228	0.6	247860	100.66689
Tl 190.794	1005.35	ug/L	5.38431	0.5	813.788	100.53546
V 292.401	1020.43	ug/L	1.77817	0.2	40671.5	102.04279
Zn 202.548	1026.99	ug/L	3.31586	0.3	24171.6	102.69895
Zr 339.198	1074.81	ug/L	1.86090	0.2	63316.9	107.48059

ICB (ICB) **9/15/2009, 10:53:05 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.154156uv	ug/L	0.328960	213.4	4.99170	-0.15416
Al 237.312	-0.016336uv	ug/L	0.527177	3227.1	5.32678	-0.01634
As 188.980	1.04220	ug/L	0.352208	33.8	2.79452	1.04220
B 249.678	30.7382	ug/L	3.97501	12.9	933.020	30.73821
Ba 493.408	10.3199	ug/L	0.007882	0.1	26015.7	10.31993Z
Be 313.042	0.032585	ug/L	0.012218	37.5	73.0662	0.03258
Ca 373.690	-0.744470uv	ug/L	0.670369	90.0	15.9456	-0.74447
Cd 214.439	0.015729	ug/L	0.017559	111.6	3.86537	0.01573
Co 228.615	0.104983	ug/L	0.133996	127.6	15.8266	0.10498
Cr 267.716	-0.006119uv	ug/L	0.004448	72.7	30.8716	-0.00612
Cu 327.395	0.095259uv	ug/L	0.137456	144.3	69.3901	0.09526
Fe 273.955	0.465159uv	ug/L	0.666942	143.4	24.6241	0.46516
K 404.721	43.4879uv	ug/L	267.850	615.9	13.0873	43.48785
Li 610.365	-0.132856uv	ug/L	0.089060	67.0	-0.238281	-0.13286
Mg 279.078	1.06951	ug/L	1.43444	134.1	13.4459	1.06951
Mn 257.610	0.012048uv	ug/L	0.018466	153.3	30.1887	0.01205
Mo 202.032	10.5867	ug/L	2.22221	21.0	102.164	10.58672
Na 330.237	-18.7734uv	ug/L	39.2560	209.1	7.92249	-18.77340
Ni 216.555	0.005971uv	ug/L	0.182909	3063.5	2.51636	0.00597
Pb 220.353	-0.125823uv	ug/L	0.198427	157.7	5.42358	-0.12582
Sb 217.582	1.32977	ug/L	0.519255	39.0	3.87064	1.32977
Se 196.026	0.639002	ug/L	0.054933	8.6	3.12032	0.63900
Si 251.611	1.27178	ug/L	0.535675	42.1	57.3265	1.27178
Si 288.158	1.67713	ug/L	0.395652	23.6	407.855	1.67713
Sn 283.998	-0.307163uv	ug/L	1.18372	385.4	10.4807	-0.30716

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.023155	ug/L	0.024122	104.2	72.7249	0.02316
Ti 336.122	0.339425	ug/L	0.195892	57.7	120.754	0.33942
Tl 190.794	1.14693	ug/L	0.886391	77.3	2.94669	1.14693
V 292.401	0.076515	ug/L	0.107931	141.1	21.6996	0.07651
Zn 202.548	0.005139	ug/L	0.003052	59.4	4.98604	0.00514
Zr 339.198	0.122408	ug/L	0.019743	16.1	10.4056	0.12241

CRI-RL (CRI) **9/15/2009, 10:55:59 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	4.33220	ug/L	0.058960	1.4	43.9990	86.64400
Al 237.312	103.588	ug/L	0.899836	0.9	485.536	103.58768
As 188.980	10.3741	ug/L	0.338064	3.3	13.2268	103.74123
B 249.678	24.2661	ug/L	0.562768	2.3	740.687	242.66144R
Ba 493.408	11.2986	ug/L	0.040998	0.4	28475.1	112.98626
Be 313.042	1.05481	ug/L	0.005508	0.5	3601.74	105.48074
Ca 373.690	417.862	ug/L	1.47748	0.4	2192.91	104.46558
Cd 214.439	0.994249	ug/L	0.016912	1.7	43.5199	99.42488
Co 228.615	10.5993	ug/L	0.048148	0.5	112.529	105.99281
Cr 267.716	5.09533	ug/L	0.017230	0.3	279.970	101.90668
Cu 327.395	10.9660	ug/L	0.008159	0.1	805.194	109.66019
Fe 273.955	105.450	ug/L	0.019545	0.0	1740.01	105.45029
K 404.721	3411.72	ug/L	237.704	7.0	59.3792	85.29301
Li 610.365	83.5111	ug/L	0.241131	0.3	6386.59	-R
Mg 279.078	423.940	ug/L	0.932933	0.2	2003.84	105.98495
Mn 257.610	10.7857	ug/L	0.027631	0.3	3238.87	107.85679
Mo 202.032	13.5277	ug/L	0.924449	6.8	128.827	135.27718R
Na 330.237	1982.31	ug/L	38.7445	2.0	283.111	99.11527
Ni 216.555	10.7319	ug/L	0.000609	0.0	94.9480	107.31945
Pb 220.353	5.33391	ug/L	0.110246	2.1	33.8097	106.67825
Sb 217.582	11.4888	ug/L	1.22719	10.7	23.3159	114.88824
Se 196.026	11.4278	ug/L	0.826338	7.2	9.06958	114.27826
Si 251.611	99.1179	ug/L	0.752024	0.8	587.107	99.11788
Si 288.158	101.626	ug/L	1.03774	1.0	1593.07	101.62575
Sn 283.998	31.8714	ug/L	0.167475	0.5	157.423	63.74286R
Sr 421.552	22.1746	ug/L	0.068522	0.3	54180.3	110.87321
Ti 336.122	10.6194	ug/L	0.048051	0.5	2651.50	106.19450
Tl 190.794	9.99743	ug/L	0.476980	4.8	10.0930	99.97425
V 292.401	10.3182	ug/L	0.050180	0.5	429.717	103.18162
Zn 202.548	53.1587	ug/L	0.087752	0.2	1255.78	106.31747
Zr 339.198	9.96041	ug/L	0.018618	0.2	589.934	-R

CRI2-MCP (CRI) **9/15/2009, 10:58:53 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.59999	ug/L	0.412342	5.4	72.4112	108.57122
Al 237.312	2.02162	ug/L	0.403849	20.0	14.7759	-
As 188.980	50.9294	ug/L	0.662333	1.3	58.5642	101.85876
B 249.678	9.93336	ug/L	0.344393	3.5	314.753	-
Ba 493.408	2208.63	ug/L	2.21644	0.1	5550294	110.43150
Be 313.042	4.26328	ug/L	0.005322	0.1	14677.3	106.58197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	12.4511	ug/L	0.626979	5.0	84.5938	-
Cd 214.439	5.29430	ug/L	0.024296	0.5	217.779	105.88596
Co 228.615	0.028381uv	ug/L	0.142609	502.5	15.1207	-
Cr 267.716	108.587	ug/L	0.075845	0.1	5333.34	108.58681
Cu 327.395	0.524163	ug/L	0.082620	15.8	98.4211	-
Fe 273.955	2.51519	ug/L	0.016870	0.7	58.1384	-
K 404.721	329.277	ug/L	111.600	33.9	16.9774	-
Li 610.365	-0.077363uv	ug/L	0.031960	41.3	3.99902	-
Mg 279.078	0.892723	ug/L	0.282577	31.7	12.6135	-
Mn 257.610	0.208145	ug/L	0.010618	5.1	88.5917	-
Mo 202.032	1.93688	ug/L	0.646739	33.4	23.7470	-
Na 330.237	99.3087	ug/L	27.7578	28.0	24.1073	-
Ni 216.555	112.012	ug/L	0.103877	0.1	967.734	112.01195
Pb 220.353	17.4514	ug/L	0.231689	1.3	96.8109	116.34290
Sb 217.582	7.45347	ug/L	0.497169	6.7	15.5919	124.22449
Se 196.026	49.4358	ug/L	0.940890	1.9	30.0282	98.87151
Si 251.611	2.82175	ug/L	0.584378	20.7	65.7187	-
Si 288.158	3.10966	ug/L	0.673319	21.7	424.843	-
Sn 283.998	47.2350	ug/L	0.273120	0.6	227.580	-
Sr 421.552	0.027338	ug/L	0.007536	27.6	82.9409	-
Ti 336.122	0.047318	ug/L	0.037640	79.5	48.8428	-
Tl 190.794	3.10760	ug/L	0.324886	10.5	4.52982	155.37996R
V 292.401	52.5588	ug/L	0.007469	0.0	2112.54	105.11765
Zn 202.548	965.156	ug/L	1.79750	0.2	22716.6	107.23953
Zr 339.198	0.047846	ug/L	0.062996	131.7	6.01343	-

Interf Check A (ICSA) **9/15/2009, 11:01:48 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.200333uv	ug/L	0.615808	307.4	8.07385	0.20033
Al 237.312	107767	ug/L	484.771	0.4	4273417	766.90625K
As 188.980	1.69973	ug/L	0.490761	28.9	3.52959	1.69973
B 249.678	7.12748	ug/L	0.476357	6.7	231.369	7.12748
Ba 493.408	0.366332	ug/L	0.015198	4.1	1002.63	0.36633
Be 313.042	0.052745	ug/L	0.002022	3.8	142.658	0.05274
Ca 373.690	98537.8	ug/L	303.056	0.3	4677728	537.84375K
Cd 214.439	0.378888	ug/L	0.005061	1.3	18.5824	0.37889
Co 228.615	1.53330	ug/L	0.027680	1.8	28.9881	1.53330
Cr 267.716	0.246651	ug/L	0.127820	51.8	43.2141	0.24665
Cu 327.395	0.527943	ug/L	0.131814	25.0	98.6770	0.52794
Fe 273.955	41247.4	ug/L	156.931	0.4	5515681	247.44531K
K 404.721	1570.30	ug/L	78.3048	5.0	33.9526	1570.29736
Li 610.365	1.30454	ug/L	0.061893	4.7	109.518	1.30454
Mg 279.078	102548	ug/L	266.480	0.3	4444402	547.99219K
Mn 257.610	3.12391	ug/L	0.004016	0.1	956.985	3.12391
Mo 202.032	0.963644	ug/L	0.286296	29.7	14.9238	0.96364
Na 330.237	161.584	ug/L	33.6349	20.8	32.6458	161.58447
Ni 216.555	5.35565	ug/L	0.177836	3.3	48.6175	5.35565
Pb 220.353	-0.993539uv	ug/L	0.144554	14.5	0.912170	-0.99354
Sb 217.582	0.386397	ug/L	0.391747	101.4	2.06494	0.38640
Se 196.026	0.076684uv	ug/L	1.76812	2305.7	2.81024	0.07668
Si 251.611	-0.998874uv	ug/L	1.44317	144.5	45.0322	-0.99887
Si 288.158	-0.064729uv	ug/L	1.49383	2307.8	387.200	-0.06473

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	0.121470uv	ug/L	0.637084	524.5	12.4380	0.12147
Sr 421.552	0.569383	ug/L	0.005140	0.9	1406.95	0.56938
Ti 336.122	1.53760	ug/L	0.017788	1.2	415.721	1.53760
Tl 190.794	-0.308858uv	ug/L	2.09216	677.4	1.77122	-0.30886
V 292.401	1.70032	ug/L	0.001898	0.1	86.3904	1.70032
Zn 202.548	1.85858	ug/L	0.712559	38.3	48.6005	1.85858
Zr 339.198	0.427155	ug/L	0.047945	11.2	28.3574	0.42715

Interf Check AB (ICSAB) **9/15/2009, 11:04:43 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	606.426	ug/L	0.396928	0.1	5278.99	101.07107
Al 237.312	111323	ug/L	196.404	0.2	441129	111.32295
As 188.980	1961.09	ug/L	0.498048	0.0	2193.97	98.05464
B 249.678	5.64892	ug/L	0.402017	7.1	187.430	-
Ba 493.408	585.588	ug/L	0.556225	0.1	1471645	97.59801
Be 313.042	191.861	ug/L	0.310654	0.2	662259	95.93066
Ca 373.690	101800	ug/L	306.133	0.3	481739	101.80047
Cd 214.439	566.624	ug/L	0.169440	0.0	22965.7	94.43732
Co 228.615	570.089	ug/L	1.30861	0.2	5268.08	95.01475
Cr 267.716	568.739	ug/L	0.786950	0.1	27802.1	94.78991
Cu 327.395	598.035	ug/L	0.164520	0.0	40541.9	99.67258
Fe 273.955	42661.1	ug/L	18.2881	0.0	568641	106.65277
K 404.721	41655.0	ug/L	113.090	0.3	651.556	104.13748
Li 610.365	1.35970	ug/L	0.043897	3.2	113.729	-
Mg 279.078	104961	ug/L	128.345	0.1	454040	104.96142
Mn 257.610	381.706	ug/L	0.488208	0.1	113709	95.42646
Mo 202.032	0.881088	ug/L	0.303518	34.4	14.1754	-
Na 330.237	-64.0231uv	ug/L	22.1846	34.7	1.72131	-
Ni 216.555	573.031	ug/L	1.62923	0.3	4940.59	95.50522
Pb 220.353	1857.06	ug/L	0.417859	0.0	9661.27	92.85309
Sb 217.582	966.438	ug/L	0.022874	0.0	1851.16	96.64381
Se 196.026	962.239	ug/L	1.68879	0.2	533.374	96.22389
Si 251.611	24.9869	ug/L	35.3179	141.3	185.730	-
Si 288.158	27.1154	ug/L	36.2237	133.6	709.509	-
Sn 283.998	240.885	ug/L	1.20299	0.5	1111.88	-
Sr 421.552	0.627464	ug/L	0.017356	2.8	1548.82	-
Ti 336.122	1.56658	ug/L	0.027026	1.7	422.855	-
Tl 190.794	1845.77	ug/L	5.52911	0.3	1492.37	92.28828
V 292.401	582.854	ug/L	1.11241	0.2	23239.0	97.14240
Zn 202.548	553.031	ug/L	2.35908	0.4	13018.6	92.17175
Zr 339.198	1.74056	ug/L	0.183848	10.6	105.727	-

RB (ICSAB) **9/15/2009, 11:07:37 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.443444uv	ug/L	0.728327	164.2	10.1876	-
Al 237.312	1.10094	ug/L	0.773793	70.3	10.5071	-
As 188.980	1.88124	ug/L	0.226463	12.0	3.73251	-
B 249.678	3.45932	ug/L	0.275456	8.0	122.360	-
Ba 493.408	0.008236	ug/L	0.004917	59.7	102.753	-

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.050739	ug/L	0.001059	2.1	135.735	-
Ca 373.690	1.06736	ug/L	1.07053	100.3	25.3715	-
Cd 214.439	0.013291uv	ug/L	0.098536	741.4	3.76656	-
Co 228.615	-0.101378uv	ug/L	0.150171	148.1	13.9250	-
Cr 267.716	-0.067763uv	ug/L	0.055709	82.2	27.8616	-
Cu 327.395	-0.014253uv	ug/L	0.012066	84.7	61.9777	-
Fe 273.955	3.92674	ug/L	1.90229	48.4	81.2140	-
K 404.721	-253.028uv	ug/L	581.316	229.7	9.05432	-
Li 610.365	-0.069715uv	ug/L	0.039845	57.2	4.58301	-
Mg 279.078	1.86971	ug/L	0.855999	45.8	17.2136	-
Mn 257.610	0.001767uv	ug/L	0.012829	725.9	27.1268	-
Mo 202.032	0.328604	ug/L	0.167569	51.0	9.16666	-
Na 330.237	21.9917	ug/L	29.5957	134.6	13.5093	-
Ni 216.555	0.259873	ug/L	0.267843	103.1	4.70438	-
Pb 220.353	-0.365500uv	ug/L	0.255065	69.8	4.17746	-
Sb 217.582	2.33503	ug/L	0.113765	4.9	5.79478	-
Se 196.026	1.83174	ug/L	1.89910	103.7	3.77803	-
Si 251.611	-0.317851uv	ug/L	0.131338	41.3	48.7196	-
Si 288.158	0.310955uv	ug/L	0.485075	156.0	391.655	-
Sn 283.998	0.181416	ug/L	0.038504	21.2	12.7117	-
Sr 421.552	0.004481	ug/L	0.003748	83.6	27.1106	-
Ti 336.122	0.019133	ug/L	0.010909	57.0	41.9043	-
Tl 190.794	2.67021	ug/L	0.418552	15.7	4.17665	-
V 292.401	-0.066100uv	ug/L	0.009098	13.8	16.0180	-
Zn 202.548	0.027309uv	ug/L	0.077182	282.6	5.50773	-
Zr 339.198	-0.040473uv	ug/L	0.011177	27.6	0.810791	-

CCV (CCV) **9/15/2009, 11:10:32 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	985.281	ug/L	0.797567	0.1	8573.00	98.52808
Al 237.312	4912.77	ug/L	12.2898	0.3	22417.5	98.25535
As 188.980	982.955	ug/L	2.50107	0.3	1100.49	98.29555
B 249.678	971.739	ug/L	14.5444	1.5	28897.2	97.17387
Ba 493.408	985.729	ug/L	1.47079	0.1	2477185	98.57286
Be 313.042	982.314	ug/L	1.92232	0.2	3390873	98.23142
Ca 373.690	19541.9	ug/L	24.4145	0.1	99919.5	97.70929
Cd 214.439	978.834	ug/L	3.22108	0.3	39670.5	97.88340
Co 228.615	979.258	ug/L	0.519152	0.1	9038.47	97.92582
Cr 267.716	980.261	ug/L	3.28681	0.3	47896.2	98.02608
Cu 327.395	985.809	ug/L	4.30008	0.4	66788.9	98.58091
Fe 273.955	4902.37	ug/L	13.1861	0.3	78109.9	98.04739
K 404.721	19113.2	ug/L	18.1279	0.1	287.700	95.56609
Li 610.365	4878.95	ug/L	7.42635	0.2	372553	97.57895
Mg 279.078	19577.7	ug/L	55.4899	0.3	90787.5	97.88840
Mn 257.610	980.588	ug/L	2.48281	0.3	292073	98.05878
Mo 202.032	981.908	ug/L	6.05184	0.6	8907.95	98.19080
Na 330.237	19601.0	ug/L	71.9081	0.4	2790.01	98.00496
Ni 216.555	979.628	ug/L	0.117520	0.0	8444.46	97.96275
Pb 220.353	980.120	ug/L	3.16515	0.3	5101.90	98.01201
Sb 217.582	979.859	ug/L	5.04042	0.5	1876.85	97.98594
Se 196.026	985.028	ug/L	0.274444	0.0	545.940	98.50277
Si 251.611	976.853	ug/L	8.32944	0.9	5339.54	97.68532

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	975.762	ug/L	8.40000	0.9	11958.8	97.57618
Sn 283.998	981.556	ug/L	3.28202	0.3	4494.12	98.15561
Sr 421.552	983.778	ug/L	2.72549	0.3	2403007	98.37782
Ti 336.122	985.605	ug/L	5.60329	0.6	242674	98.56050
Tl 190.794	981.158	ug/L	2.48825	0.3	794.251	98.11579
V 292.401	980.895	ug/L	1.93639	0.2	39096.5	98.08946
Zn 202.548	976.812	ug/L	3.12963	0.3	22990.9	97.68124
Zr 339.198	976.703	ug/L	4.73754	0.5	57538.0	97.67027

CCB (CCB) **9/15/2009, 11:13:26 AM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.468077uv	ug/L	0.288525	61.6	2.26227	-0.46808
Al 237.312	0.742976	ug/L	0.136719	18.4	8.84741	0.74298
As 188.980	1.25007	ug/L	0.711095	56.9	3.02690	1.25007
B 249.678	17.7348	ug/L	2.42150	13.7	546.591	17.73479
Ba 493.408	0.005570	ug/L	0.007412	133.1	96.0537	0.00557
Be 313.042	0.017778	ug/L	0.001355	7.6	21.9558	0.01778
Ca 373.690	2.05347	ug/L	0.326624	15.9	30.5016	2.05347
Cd 214.439	0.035471	ug/L	0.019948	56.2	4.66541	0.03547
Co 228.615	0.180532	ug/L	0.059053	32.7	16.5227	0.18053
Cr 267.716	0.008555uv	ug/L	0.118939	1390.3	31.5881	0.00855
Cu 327.395	0.065902uv	ug/L	0.182023	276.2	67.4031	0.06590
Fe 273.955	1.38744	ug/L	0.406427	29.3	39.7018	1.38744
K 404.721	-72.0623uv	ug/L	7.68017	10.7	11.5148	-72.06227
Li 610.365	0.373233	ug/L	0.100943	27.0	38.4053	0.37323
Mg 279.078	1.27796	ug/L	0.641124	50.2	14.4274	1.27796
Mn 257.610	0.193565	ug/L	0.007733	4.0	84.2493	0.19356
Mo 202.032	10.9633	ug/L	2.08082	19.0	105.579	10.96330
Na 330.237	44.2427	ug/L	26.7103	60.4	16.5590	44.24272
Ni 216.555	0.158954	ug/L	0.060476	38.0	3.83470	0.15895
Pb 220.353	-0.231348uv	ug/L	0.222533	96.2	4.87494	-0.23135
Sb 217.582	2.21235	ug/L	0.337925	15.3	5.55997	2.21235
Se 196.026	3.47624	ug/L	0.675010	19.4	4.68485	3.47624
Si 251.611	0.425589uv	ug/L	0.684661	160.9	52.7449	0.42559
Si 288.158	0.994536uv	ug/L	1.65546	166.5	399.761	0.99454
Sn 283.998	0.544129	ug/L	0.393811	72.4	14.3680	0.54413
Sr 421.552	0.016127	ug/L	0.007202	44.7	55.5583	0.01613
Ti 336.122	0.273356	ug/L	0.126888	46.4	104.489	0.27336
Tl 190.794	0.742720uv	ug/L	1.69246	227.9	2.62032	0.74272
V 292.401	0.078542	ug/L	0.053083	67.6	21.7804	0.07854
Zn 202.548	0.431698	ug/L	0.027374	6.3	15.0237	0.43170
Zr 339.198	0.663592	ug/L	0.132050	19.9	42.2853	0.66359

ICB RR (Samp) **9/15/2009, 11:16:20 AM** **Rack 1, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.253564uv	ug/L	0.145250	57.3	4.12738
Al 237.312	0.589473	ug/L	0.263441	44.7	8.13568
As 188.980	0.005941uv	ug/L	0.370980	6244.5	1.63607
B 249.678	8.42126	ug/L	0.697494	8.3	269.817

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.005934uv	ug/L	0.002293	38.6	67.1445
Be 313.042	0.008942	ug/L	0.001172	13.1	-8.54761
Ca 373.690	-0.445162uv	ug/L	0.244959	55.0	17.5027
Cd 214.439	0.026620uv	ug/L	0.096630	363.0	4.30673
Co 228.615	-0.092042uv	ug/L	0.125165	136.0	14.0110
Cr 267.716	-0.033276uv	ug/L	0.084106	252.8	29.5455
Cu 327.395	0.021988uv	ug/L	0.155126	705.5	64.4307
Fe 273.955	0.313588	ug/L	0.164035	52.3	22.1462
K 404.721	144.765uv	ug/L	332.219	229.5	14.4664
Li 610.365	0.338356	ug/L	0.002351	0.7	35.7422
Mg 279.078	-0.376770uv	ug/L	0.095952	25.5	6.63623
Mn 257.610	-0.022210uv	ug/L	0.006351	28.6	19.9858
Mo 202.032	2.85850	ug/L	0.786173	27.5	32.1022
Na 330.237	14.8304	ug/L	8.16118	55.0	12.5277
Ni 216.555	-0.020000uv	ug/L	0.105395	527.0	2.29256
Pb 220.353	0.396914	ug/L	0.061901	15.6	8.14139
Sb 217.582	2.04129	ug/L	0.266471	13.1	5.23254
Se 196.026	-1.32610uv	ug/L	2.34395	176.8	2.03671
Si 251.611	-0.033936uv	ug/L	1.16301	3427.0	50.2568
Si 288.158	0.476911uv	ug/L	0.698242	146.4	393.623
Sn 283.998	-0.068046uv	ug/L	0.365515	537.2	11.5726
Sr 421.552	0.003035uv	ug/L	0.006062	199.7	23.5796
Ti 336.122	0.052222	ug/L	0.012719	24.4	50.0500
Tl 190.794	1.47383	ug/L	0.320082	21.7	3.21064
V 292.401	-0.127436uv	ug/L	0.127918	100.4	13.5745
Zn 202.548	-0.017402uv	ug/L	0.008583	49.3	4.45562
Zr 339.198	0.329403	ug/L	0.027647	8.4	22.5991

ICVNa K Mg Ca 75ppm (Samp) 9/15/2009, 11:19:15 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.157673uv	ug/L	0.551328	349.7	4.96112
Al 237.312	3.90668	ug/L	0.086363	2.2	23.5161
As 188.980	0.950347	ug/L	0.381592	40.2	2.69184
B 249.678	6.01380	ug/L	0.294216	4.9	198.273
Ba 493.408	0.267290	ug/L	0.010418	3.9	753.747
Be 313.042	0.093524	ug/L	0.001220	1.3	283.428
Ca 373.690	77503.8	ug/L	5.06023	0.0	375460
Cd 214.439	0.011925uv	ug/L	0.088232	739.9	3.71121
Co 228.615	0.637021	ug/L	0.447176	70.2	20.7291
Cr 267.716	0.120891	ug/L	0.065132	53.9	37.0733
Cu 327.395	0.529393	ug/L	0.038732	7.3	98.7751
Fe 273.955	4.36903	ug/L	0.095200	2.2	88.4445
K 404.721	76497.2	ug/L	252.100	0.3	1297.60
Li 610.365	1.17071	ug/L	0.000470	0.0	99.2988
Mg 279.078	76788.1	ug/L	22.5169	0.0	340011
Mn 257.610	2.40348	ug/L	0.006499	0.3	742.423
Mo 202.032	1.57049	ug/L	0.534166	34.0	20.4253
Na 330.237	77612.9	ug/L	138.908	0.2	12110.1
Ni 216.555	0.928853	ug/L	0.232212	25.0	10.4693
Pb 220.353	0.245705uv	ug/L	0.627124	255.2	7.35522
Sb 217.582	2.95964	ug/L	0.554520	18.7	6.99033
Se 196.026	-0.860574uv	ug/L	3.04598	353.9	2.29341

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	5.08406	ug/L	0.022685	0.4	77.9678
Si 288.158	2.52596	ug/L	1.04540	41.4	417.921
Sn 283.998	0.313646	ug/L	0.324856	103.6	13.3156
Sr 421.552	0.501832	ug/L	0.000545	0.1	1241.95
Ti 336.122	1.43368	ug/L	0.034135	2.4	390.139
Tl 190.794	-0.391224uv	ug/L	0.144838	37.0	1.70472
V 292.401	1.12578	ug/L	0.038246	3.4	63.5012
Zn 202.548	1.02438	ug/L	0.020431	2.0	28.9703
Zr 339.198	0.664672	ug/L	0.093650	14.1	42.3489

ICV Sb 1ppm (Samp) **9/15/2009, 11:22:09 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.168182uv	ug/L	0.110772	65.9	4.86975
Al 237.312	0.666968	ug/L	0.471405	70.7	8.49500
As 188.980	1.27976	ug/L	1.13942	89.0	3.06010
B 249.678	3.75919	ug/L	0.116523	3.1	131.272
Ba 493.408	0.027149	ug/L	0.007326	27.0	150.280
Be 313.042	0.051037	ug/L	0.000706	1.4	136.763
Ca 373.690	4.15345	ug/L	0.226644	5.5	41.4265
Cd 214.439	-0.003318uv	ug/L	0.037135	1119.2	3.09349
Co 228.615	0.219710	ug/L	0.086933	39.6	16.8837
Cr 267.716	-0.021275uv	ug/L	0.028307	133.1	30.1315
Cu 327.395	0.037002uv	ug/L	0.072365	195.6	65.4469
Fe 273.955	0.979043	ug/L	0.475623	48.6	33.0253
K 404.721	-131.755uv	ug/L	103.574	78.6	10.7030
Li 610.365	-0.109285uv	ug/L	0.058837	53.8	1.56152
Mg 279.078	2.64813	ug/L	0.331489	12.5	20.8787
Mn 257.610	0.366331	ug/L	0.001281	0.3	135.704
Mo 202.032	0.760592	ug/L	0.444122	58.4	13.0830
Na 330.237	-13.3781uv	ug/L	16.1771	120.9	8.66187
Ni 216.555	0.207309uv	ug/L	0.396258	191.1	4.25140
Pb 220.353	0.069761uv	ug/L	0.275851	395.4	6.44046
Sb 217.582	1010.46	ug/L	2.19857	0.2	1935.43
Se 196.026	-0.953792uv	ug/L	1.40967	147.8	2.24201
Si 251.611	1.74223	ug/L	1.21657	69.8	59.8737
Si 288.158	2.53455	ug/L	1.35714	53.5	418.023
Sn 283.998	0.144540	ug/L	0.115304	79.8	12.5433
Sr 421.552	0.011395	ug/L	0.001759	15.4	43.9988
Ti 336.122	0.037605	ug/L	0.049292	131.1	46.4517
Tl 190.794	-0.539098uv	ug/L	0.374983	69.6	1.58532
V 292.401	-0.112428uv	ug/L	0.094270	83.8	14.1724
Zn 202.548	0.778537	ug/L	0.054480	7.0	23.1854
Zr 339.198	16.8868	ug/L	1.77375	10.5	997.951

CRI-RL B Mo (Samp) **9/15/2009, 11:31:26 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.51486	ug/L	1.16596	33.2	36.8925
Al 237.312	104.343	ug/L	0.796936	0.8	489.036
As 188.980	9.27070	ug/L	0.845753	9.1	11.9933

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.4231	ug/L	0.142176	1.2	359.025
Ba 493.408	11.3094	ug/L	0.002055	0.0	28502.2
Be 313.042	1.06093	ug/L	0.000371	0.0	3622.86
Ca 373.690	416.106	ug/L	0.089144	0.0	2183.77
Cd 214.439	1.02234	ug/L	0.049854	4.9	44.6584
Co 228.615	10.7336	ug/L	0.022455	0.2	113.767
Cr 267.716	5.12968	ug/L	0.008497	0.2	281.647
Cu 327.395	11.0868	ug/L	0.117715	1.1	813.372
Fe 273.955	104.978	ug/L	0.095175	0.1	1732.29
K 404.721	3304.46	ug/L	46.0959	1.4	57.8893
Li 610.365	83.7144	ug/L	0.043919	0.1	6402.11
Mg 279.078	422.170	ug/L	0.262554	0.1	1995.51
Mn 257.610	10.7614	ug/L	0.014173	0.1	3231.64
Mo 202.032	10.1541	ug/L	0.115159	1.1	98.2423
Na 330.237	1957.80	ug/L	40.1415	2.1	279.729
Ni 216.555	10.7075	ug/L	0.138474	1.3	94.7377
Pb 220.353	5.42174	ug/L	0.131745	2.4	34.2663
Sb 217.582	10.5132	ug/L	1.77635	16.9	21.4485
Se 196.026	8.30593	ug/L	0.172333	2.1	7.34808
Si 251.611	98.1036	ug/L	0.924970	0.9	581.615
Si 288.158	101.435	ug/L	1.63828	1.6	1590.81
Sn 283.998	31.4240	ug/L	0.091469	0.3	155.380
Sr 421.552	22.2030	ug/L	0.013549	0.1	54249.5
Ti 336.122	10.5294	ug/L	0.022088	0.2	2629.33
Tl 190.794	10.1844	ug/L	1.38398	13.6	10.2440
V 292.401	10.2861	ug/L	0.128387	1.2	428.440
Zn 202.548	52.8087	ug/L	0.018504	0.0	1247.54
Zr 339.198	12.2757	ug/L	0.401405	3.3	726.319

CRI-MCP Tl (Samp) **9/15/2009, 11:34:19 AM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.75047	ug/L	0.753682	9.7	73.7196
Al 237.312	1.73362	ug/L	0.094144	5.4	13.4406
As 188.980	50.3202	ug/L	0.946166	1.9	57.8831
B 249.678	1.56271	ug/L	0.009359	0.6	65.9978
Ba 493.408	2202.88	ug/L	5.70985	0.3	5535848
Be 313.042	4.24809	ug/L	0.004787	0.1	14624.8
Ca 373.690	12.6986	ug/L	0.381451	3.0	85.8812
Cd 214.439	5.18077	ug/L	0.042507	0.8	213.179
Co 228.615	0.079946	ug/L	0.048173	60.3	15.5958
Cr 267.716	107.867	ug/L	0.297172	0.3	5298.17
Cu 327.395	0.755000	ug/L	0.228615	30.3	114.046
Fe 273.955	2.47625	ug/L	0.204826	8.3	57.5016
K 404.721	531.261	ug/L	130.163	24.5	19.7316
Li 610.365	-0.161926uv	ug/L	0.025304	15.6	-2.45801
Mg 279.078	1.66975	ug/L	0.140280	8.4	16.2721
Mn 257.610	0.202754	ug/L	0.005808	2.9	86.9861
Mo 202.032	0.455639	ug/L	0.290689	63.8	10.3183
Na 330.237	85.1415	ug/L	29.9278	35.2	22.1652
Ni 216.555	110.917	ug/L	0.218193	0.2	958.298
Pb 220.353	16.7359	ug/L	0.093950	0.6	93.0907
Sb 217.582	7.24665	ug/L	0.089752	1.2	15.1960

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	48.1688	ug/L	0.065509	0.1	29.3296
Si 251.611	1.87376	ug/L	0.671389	35.8	60.5859
Si 288.158	2.44732	ug/L	1.03426	42.3	416.988
Sn 283.998	47.2381	ug/L	0.620696	1.3	227.594
Sr 421.552	0.033570	ug/L	0.000957	2.9	98.1646
Ti 336.122	-0.000085uv	ug/L	0.024200	28374.6	37.1731
Tl 190.794	2.07333	ug/L	1.34150	64.7	3.69471
V 292.401	52.3015	ug/L	0.014264	0.0	2102.29
Zn 202.548	953.760	ug/L	1.33182	0.1	22448.4
Zr 339.198	0.141350	ug/L	0.014190	10.0	11.5215

360-24493-A-1-A@20 (Samp) **9/15/2009, 12:00:05 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.46436	ug/L	0.231233	5.2	45.1481
Al 237.312	2551.56	ug/L	0.480957	0.0	11737.1
As 188.980	45.3568	ug/L	0.434184	1.0	52.3345
B 249.678	26.7430	ug/L	0.033403	0.1	814.292
Ba 493.408	157.474	ug/L	0.318174	0.2	395808
Be 313.042	0.186143	ug/L	0.000990	0.5	603.145
Ca 373.690	15652.4	ug/L	0.331456	0.0	80317.5
Cd 214.439	37.4072	ug/L	0.122154	0.3	1519.16
Co 228.615	25.5886	ug/L	0.061479	0.2	250.651
Cr 267.716	169.663	ug/L	0.114467	0.1	8315.63
Cu 327.395	1370.45	ug/L	9.98926	0.7	92823.8
Fe 273.955	53618.2	ug/L	20.1028	0.0	700975
K 404.721	1001.31	ug/L	23.5934	2.4	26.1536
Li 610.365	0.338676	ug/L	0.020927	6.2	35.7666
Mg 279.078	2003.88	ug/L	2.81669	0.1	9428.81
Mn 257.610	452.306	ug/L	0.095488	0.0	134736
Mo 202.032	10.5397	ug/L	0.339919	3.2	101.738
Na 330.237	1385.22	ug/L	30.4449	2.2	200.796
Ni 216.555	56.4497	ug/L	0.298057	0.5	488.923
Pb 220.353	-x	ug/L	44.1721	0.1	187058
Sb 217.582	617.719	ug/L	0.894889	0.1	1183.69
Se 196.026	-3.56497uv	ug/L	0.371433	10.4	0.802132
Si 251.611	1130.50	ug/L	8.44765	0.7	6171.42
Si 288.158	1144.00	ug/L	6.43906	0.6	13953.8
Sn 283.998	2107.09	ug/L	5.77770	0.3	9633.84
Sr 421.552	51.6441	ug/L	0.051224	0.1	126163
Ti 336.122	123.526	ug/L	0.945292	0.8	30446.9
Tl 190.794	-0.095050uv	ug/L	0.594103	625.0	1.94386
V 292.401	17.4024	ug/L	0.221643	1.3	711.944
Zn 202.548	3067.62	ug/L	7.04569	0.2	72191.1
Zr 339.198	39.9452	ug/L	6.29330	15.8	2356.25

360-24493-A-2-A@20 (Samp) **9/15/2009, 12:02:57 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.32849	ug/L	1.12334	26.0	43.9667
Al 237.312	3831.70	ug/L	5.19730	0.1	17548.6

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	27.3070	ug/L	0.897341	3.3	32.1564
B 249.678	57.6574	ug/L	0.957080	1.7	1732.99
Ba 493.408	433.616	ug/L	0.835330	0.2	1089744
Be 313.042	0.192935	ug/L	0.000100	0.1	626.589
Ca 373.690	22764.1	ug/L	22.3954	0.1	116053
Cd 214.439	34.2843	ug/L	0.131261	0.4	1392.60
Co 228.615	9.88873	ug/L	0.109222	1.1	105.981
Cr 267.716	161.239	ug/L	0.083058	0.1	7904.27
Cu 327.395	1053.64	ug/L	1.56967	0.1	71380.2
Fe 273.955	58071.7	ug/L	49.3373	0.1	754762
K 404.721	2717.48	ug/L	258.904	9.5	49.7603
Li 610.365	0.575420	ug/L	0.062834	10.9	53.8438
Mg 279.078	2269.12	ug/L	0.852809	0.0	10673.6
Mn 257.610	318.497	ug/L	0.363976	0.1	94883.8
Mo 202.032	6.62995	ug/L	0.126705	1.9	66.2933
Na 330.237	2868.64	ug/L	52.6978	1.8	405.621
Ni 216.555	53.7239	ug/L	0.181813	0.3	465.433
Pb 220.353	-x	ug/L	10.1495	0.0	156772
Sb 217.582	276.946	ug/L	1.55651	0.6	531.421
Se 196.026	-3.82846uv	ug/L	0.257791	6.7	0.656837
Si 251.611	1425.94	ug/L	8.28201	0.6	7771.10
Si 288.158	1463.30	ug/L	8.75036	0.6	17740.1
Sn 283.998	835.540	ug/L	0.770809	0.1	3827.34
Sr 421.552	123.858	ug/L	0.132901	0.1	302554
Ti 336.122	147.460	ug/L	0.072819	0.0	36339.1
Tl 190.794	0.182802	ug/L	0.164254	89.9	2.16821
V 292.401	14.6306	ug/L	0.031901	0.2	601.521
Zn 202.548	3991.88	ug/L	68.2446	1.7	93940.3
Zr 339.198	62.0603	ug/L	6.33229	10.2	3658.99

360-24493-A-3-A@20 (Samp) **9/15/2009, 12:05:49 PM** **Rack 1, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.34109	ug/L	0.042857	1.8	26.6870
Al 237.312	1658.44	ug/L	2.69559	0.2	7653.18
As 188.980	4.88119	ug/L	0.243913	5.0	7.08620
B 249.678	30.3565	ug/L	0.123634	0.4	921.676
Ba 493.408	260.451	ug/L	0.546428	0.2	654587
Be 313.042	0.119454	ug/L	0.000498	0.4	372.935
Ca 373.690	13533.8	ug/L	30.9214	0.2	69581.5
Cd 214.439	8.98351	ug/L	0.000610	0.0	367.285
Co 228.615	4.39564	ug/L	0.035441	0.8	55.3639
Cr 267.716	160.947	ug/L	0.080285	0.0	7890.01
Cu 327.395	774.700	ug/L	3.14974	0.4	52499.7
Fe 273.955	27845.4	ug/L	47.9866	0.2	389705
K 404.721	1101.84	ug/L	119.634	10.9	27.5298
Li 610.365	0.240095	ug/L	0.054351	22.6	28.2393
Mg 279.078	1491.07	ug/L	0.889667	0.1	7020.85
Mn 257.610	298.369	ug/L	0.563972	0.2	88889.1
Mo 202.032	10.5488	ug/L	0.195125	1.8	101.821
Na 330.237	1286.01	ug/L	15.7815	1.2	187.136
Ni 216.555	42.5638	ug/L	0.125340	0.3	369.260
Pb 220.353	6987.04	ug/L	13.2766	0.2	36333.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	110.832	ug/L	0.463866	0.4	213.467
Se 196.026	-1.32585uv	ug/L	1.64092	123.8	2.03684
Si 251.611	2462.44	ug/L	8.86853	0.4	13383.1
Si 288.158	2520.80	ug/L	14.2497	0.6	30280.3
Sn 283.998	149.258	ug/L	0.435414	0.3	693.462
Sr 421.552	41.2339	ug/L	0.100160	0.2	100735
Ti 336.122	60.4365	ug/L	0.179126	0.3	14915.5
Tl 190.794	-1.51298uv	ug/L	0.035044	2.3	0.798962
V 292.401	10.0926	ug/L	0.093209	0.9	420.729
Zn 202.548	11364.4	ug/L	2.27876	0.0	267427
Zr 339.198	17.0758	ug/L	3.15293	18.5	1009.08

360-24493-A-1-A@50 (Samp) **9/15/2009, 12:09:59 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.764694	ug/L	0.021275	2.8	12.9808
Al 237.312	1042.67	ug/L	1.19152	0.1	4823.35
As 188.980	19.0768	ug/L	0.711505	3.7	22.9557
B 249.678	11.7402	ug/L	0.101105	0.9	368.447
Ba 493.408	65.8459	ug/L	0.083290	0.1	165551
Be 313.042	0.101163	ug/L	0.000772	0.8	309.796
Ca 373.690	6298.90	ug/L	1.88205	0.0	32605.9
Cd 214.439	14.9764	ug/L	0.041289	0.3	610.145
Co 228.615	10.3431	ug/L	0.398719	3.9	110.168
Cr 267.716	69.0434	ug/L	0.161342	0.2	3402.48
Cu 327.395	558.741	ug/L	0.305777	0.1	37882.1
Fe 273.955	20016.7	ug/L	8.32093	0.0	293033
K 404.721	370.273	ug/L	113.459	30.6	17.5361
Li 610.365	0.323162	ug/L	0.088337	27.3	34.5820
Mg 279.078	827.024	ug/L	1.74282	0.2	3899.88
Mn 257.610	186.152	ug/L	0.130306	0.1	55467.7
Mo 202.032	4.08770	ug/L	0.053952	1.3	43.2458
Na 330.237	359.200	ug/L	42.5993	11.9	59.7527
Ni 216.555	22.6478	ug/L	0.287922	1.3	197.634
Pb 220.353	14720.8	ug/L	10.1488	0.1	76542.0
Sb 217.582	245.614	ug/L	0.777962	0.3	471.449
Se 196.026	-2.96558uv	ug/L	1.42854	48.2	1.13265
Si 251.611	493.681	ug/L	23.9352	4.8	2723.44
Si 288.158	500.839	ug/L	27.9946	5.6	6327.05
Sn 283.998	866.170	ug/L	0.291880	0.0	3967.21
Sr 421.552	21.2394	ug/L	0.023945	0.1	51895.9
Ti 336.122	50.2420	ug/L	0.518076	1.0	12405.8
Tl 190.794	-0.067257uv	ug/L	1.11404	1656.4	1.96630
V 292.401	6.89000	ug/L	0.113662	1.6	293.142
Zn 202.548	1236.80	ug/L	2.92303	0.2	29108.8
Zr 339.198	4.90952	ug/L	0.470048	9.6	292.401

360-24493-A-2-A@50 (Samp) **9/15/2009, 12:12:52 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.18450	ug/L	0.067398	5.7	16.6308
Al 237.312	1537.03	ug/L	0.015106	0.0	7096.13
As 188.980	10.8385	ug/L	0.338006	3.1	13.7460
B 249.678	23.6312	ug/L	0.421591	1.8	721.817
Ba 493.408	178.173	ug/L	0.324109	0.2	447824
Be 313.042	0.102619	ug/L	0.001146	1.1	314.822
Ca 373.690	9181.20	ug/L	18.7867	0.2	47394.6
Cd 214.439	13.8301	ug/L	0.011676	0.1	563.692
Co 228.615	4.01164	ug/L	0.194513	4.8	51.8254
Cr 267.716	65.9129	ug/L	0.088712	0.1	3249.62
Cu 327.395	432.294	ug/L	1.16871	0.3	29323.4
Fe 273.955	21962.6	ug/L	41.8602	0.2	317867
K 404.721	785.391	ug/L	218.458	27.8	23.2021
Li 610.365	0.258461	ug/L	0.041618	16.1	29.6416
Mg 279.078	944.028	ug/L	0.280314	0.0	4450.03
Mn 257.610	131.639	ug/L	0.262219	0.2	39232.3
Mo 202.032	2.61319	ug/L	0.175537	6.7	29.8782
Na 330.237	966.304	ug/L	22.3763	2.3	143.147
Ni 216.555	22.3174	ug/L	0.440353	2.0	194.786
Pb 220.353	12543.9	ug/L	10.6984	0.1	65223.8
Sb 217.582	111.386	ug/L	0.722671	0.6	214.527
Se 196.026	-2.68875uv	ug/L	2.44401	90.9	1.28530
Si 251.611	585.033	ug/L	3.99987	0.7	3218.06
Si 288.158	594.028	ug/L	3.23256	0.5	7432.10
Sn 283.998	340.932	ug/L	0.359941	0.1	1568.73
Sr 421.552	50.4172	ug/L	0.078969	0.2	123166
Ti 336.122	59.8485	ug/L	0.133303	0.2	14770.7
Tl 190.794	-0.849123uv	ug/L	0.845001	99.5	1.33499
V 292.401	5.89646	ug/L	0.036207	0.6	253.560
Zn 202.548	1656.43	ug/L	5.69250	0.3	38983.3
Zr 339.198	16.0338	ug/L	0.824016	5.1	947.698

CCV (CCV) **9/15/2009, 12:17:31 PM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	989.339	ug/L	4.00812	0.4	8608.28	98.93388
Al 237.312	4945.25	ug/L	45.0059	0.9	22563.2	98.90500
As 188.980	986.936	ug/L	5.76669	0.6	1104.94	98.69357
B 249.678	970.543	ug/L	21.3053	2.2	28861.6	97.05428
Ba 493.408	991.958	ug/L	6.45904	0.7	2492839	99.19579
Be 313.042	987.317	ug/L	6.05495	0.6	3408142	98.73170
Ca 373.690	19669.0	ug/L	71.2824	0.4	100558	98.34519
Cd 214.439	982.234	ug/L	4.06716	0.4	39808.3	98.22339
Co 228.615	985.125	ug/L	5.64792	0.6	9092.53	98.51247
Cr 267.716	985.889	ug/L	4.69244	0.5	48171.0	98.58888
Cu 327.395	989.562	ug/L	19.6062	2.0	67043.0	98.95624
Fe 273.955	4926.26	ug/L	28.3281	0.6	78480.4	98.52519
K 404.721	18744.8	ug/L	139.927	0.7	282.106	93.72375
Li 610.365	4917.52	ug/L	29.2517	0.6	375499	98.35048
Mg 279.078	19639.7	ug/L	89.0112	0.5	91070.8	98.19871
Mn 257.610	985.839	ug/L	5.30965	0.5	293637	98.58395
Mo 202.032	985.544	ug/L	7.90234	0.8	8940.92	98.55443
Na 330.237	19743.7	ug/L	137.543	0.7	2810.93	98.71868

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	980.673	ug/L	7.04578	0.7	8453.46	98.06731
Pb 220.353	984.354	ug/L	5.34780	0.5	5123.91	98.43545
Sb 217.582	989.297	ug/L	8.72447	0.9	1894.92	98.92969
Se 196.026	984.408	ug/L	4.68747	0.5	545.598	98.44081
Si 251.611	1012.94	ug/L	11.9951	1.2	5534.93	101.29398
Si 288.158	1014.76	ug/L	13.0078	1.3	12421.3	101.47621
Sn 283.998	986.160	ug/L	5.35414	0.5	4515.14	98.61600
Sr 421.552	990.041	ug/L	7.41780	0.7	2418306	99.00414
Ti 336.122	991.721	ug/L	5.35699	0.5	244180	99.17209
Tl 190.794	984.955	ug/L	4.93771	0.5	797.316	98.49547
V 292.401	987.484	ug/L	5.46234	0.6	39359.0	98.74835
Zn 202.548	979.896	ug/L	3.18103	0.3	23063.4	97.98964
Zr 339.198	953.002	ug/L	16.1849	1.7	56141.8	95.30016

CCB (CCB) **9/15/2009, 12:20:23 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.399058uv	ug/L	0.198780	49.8	2.86237	-0.39906
Al 237.312	0.136824	ug/L	0.066256	48.4	6.03693	0.13682
As 188.980	0.679582	ug/L	0.112358	16.5	2.38915	0.67958
B 249.678	18.8188	ug/L	3.29393	17.5	578.805	18.81878
Ba 493.408	0.034227	ug/L	0.009243	27.0	168.066	0.03423
Be 313.042	0.037005	ug/L	0.002996	8.1	88.3264	0.03701
Ca 373.690	1.84553	ug/L	0.209553	11.4	29.4198	1.84553
Cd 214.439	0.021928	ug/L	0.011620	53.0	4.11658	0.02193
Co 228.615	0.199408	ug/L	0.091719	46.0	16.6967	0.19941
Cr 267.716	-0.082164uv	ug/L	0.044768	54.5	27.1584	-0.08216
Cu 327.395	0.089740	ug/L	0.027693	30.9	69.0166	0.08974
Fe 273.955	1.86177	ug/L	0.485966	26.1	47.4562	1.86177
K 404.721	46.9876uv	ug/L	357.574	761.0	13.1356	46.98764
Li 610.365	-0.147014uv	ug/L	0.044693	30.4	-1.31934	-0.14701
Mg 279.078	1.27085	ug/L	0.262264	20.6	14.3939	1.27085
Mn 257.610	0.219670	ug/L	0.003870	1.8	92.0244	0.21967
Mo 202.032	10.9393	ug/L	2.00346	18.3	105.361	10.93934
Na 330.237	12.6428	ug/L	13.3863	105.9	12.2279	12.64278
Ni 216.555	0.316936	ug/L	0.092223	29.1	5.19612	0.31694
Pb 220.353	-0.453939uv	ug/L	0.389284	85.8	3.71765	-0.45394
Sb 217.582	2.35157	ug/L	1.08406	46.1	5.82645	2.35157
Se 196.026	0.880151uv	ug/L	1.64688	187.1	3.25330	0.88015
Si 251.611	10.6957	ug/L	0.090136	0.8	108.352	10.69575
Si 288.158	11.3382	ug/L	0.711228	6.3	522.419	11.33821
Sn 283.998	1.13107	ug/L	0.205487	18.2	17.0483	1.13107
Sr 421.552	0.032941	ug/L	0.004991	15.2	96.6267	0.03294
Ti 336.122	0.343371	ug/L	0.076746	22.4	121.725	0.34337
Tl 190.794	0.536684	ug/L	0.232196	43.3	2.45395	0.53668
V 292.401	-0.083078uv	ug/L	0.063402	76.3	15.3416	-0.08308
Zn 202.548	0.454841	ug/L	0.035664	7.8	15.5683	0.45484
Zr 339.198	0.586954	ug/L	0.127534	21.7	37.7708	0.58695

MB 360-48947/1-A (Samp) **9/15/2009, 12:23:15 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.278071uv	ug/L	0.193191	69.5	3.91431
Al 237.312	0.905404	ug/L	0.086808	9.6	9.60052
As 188.980	0.433809uv	ug/L	1.53231	353.2	2.11440
B 249.678	8.48701	ug/L	0.775894	9.1	271.771
Ba 493.408	0.069349	ug/L	0.005099	7.4	256.328
Be 313.042	0.038585	ug/L	0.000904	2.3	93.7788
Ca 373.690	7.59018	ug/L	0.470877	6.2	59.3057
Cd 214.439	-0.001198uv	ug/L	0.004139	345.5	3.17941
Co 228.615	0.007321uv	ug/L	0.023214	317.1	14.9266
Cr 267.716	0.156490	ug/L	0.013359	8.5	38.8116
Cu 327.395	0.013375uv	ug/L	0.176468	1319.4	63.8477
Fe 273.955	4.01615	ug/L	0.202707	5.0	82.6757
K 404.721	94.2639uv	ug/L	145.458	154.3	13.7775
Li 610.365	-0.073616uv	ug/L	0.038525	52.3	4.28516
Mg 279.078	2.00811	ug/L	0.681419	33.9	17.8652
Mn 257.610	0.061585	ug/L	0.012597	20.5	44.9421
Mo 202.032	3.85175	ug/L	1.06078	27.5	41.1067
Na 330.237	34.1337uv	ug/L	75.3949	220.9	15.1740
Ni 216.555	0.121818	ug/L	0.004357	3.6	3.51468
Pb 220.353	-0.052182uv	ug/L	0.158068	302.9	5.80646
Sb 217.582	0.224711	ug/L	0.264892	117.9	1.75546
Se 196.026	-0.364509uv	ug/L	2.04743	561.7	2.56696
Si 251.611	18.4926	ug/L	1.32794	7.2	150.567
Si 288.158	19.6632	ug/L	1.37557	7.0	621.139
Sn 283.998	-0.128126uv	ug/L	0.624911	487.7	11.2982
Sr 421.552	0.020978	ug/L	0.000380	1.8	67.4065
Ti 336.122	0.268440	ug/L	0.050431	18.8	103.279
Tl 190.794	-0.252364uv	ug/L	0.127840	50.7	1.81684
V 292.401	-0.159653uv	ug/L	0.160091	100.3	12.2910
Zn 202.548	2.84474	ug/L	0.024680	0.9	71.8066
Zr 339.198	1.72528	ug/L	0.189836	11.0	104.826

LCS 360-48947/2-A (Samp) **9/15/2009, 12:26:06 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1039.76	ug/L	0.113938	0.0	9046.69
Al 237.312	5206.34	ug/L	12.0339	0.2	23733.6
As 188.980	1042.79	ug/L	4.65480	0.4	1167.38
B 249.678	972.572	ug/L	15.9490	1.6	28922.0
Ba 493.408	1062.55	ug/L	2.53780	0.2	2670246
Be 313.042	1044.00	ug/L	2.33746	0.2	3603796
Ca 373.690	21147.7	ug/L	91.3259	0.4	107972
Cd 214.439	1038.58	ug/L	3.10153	0.3	42091.6
Co 228.615	1050.75	ug/L	2.54557	0.2	9697.28
Cr 267.716	1055.22	ug/L	3.20719	0.3	51556.5
Cu 327.395	1049.68	ug/L	1.74541	0.2	71112.2
Fe 273.955	5188.24	ug/L	9.37607	0.2	82537.0
K 404.721	19728.7	ug/L	1.67524	0.0	297.071
Li 610.365	5020.17	ug/L	10.8890	0.2	383336
Mg 279.078	20574.1	ug/L	54.2801	0.3	95332.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1057.23	ug/L	2.79321	0.3	314898
Mo 202.032	1053.70	ug/L	2.58881	0.2	9558.79
Na 330.237	20333.6	ug/L	66.6476	0.3	2897.51
Ni 216.555	1045.81	ug/L	0.991003	0.1	9014.82
Pb 220.353	1039.30	ug/L	2.20928	0.2	5409.60
Sb 217.582	1017.21	ug/L	6.01235	0.6	1948.35
Se 196.026	1035.51	ug/L	6.14351	0.6	573.777
Si 251.611	1036.42	ug/L	14.7457	1.4	5662.07
Si 288.158	1034.29	ug/L	14.1304	1.4	12652.8
Sn 283.998	1036.55	ug/L	3.86086	0.4	4745.27
Sr 421.552	1061.45	ug/L	3.12277	0.3	2592722
Ti 336.122	1039.84	ug/L	4.08857	0.4	256025
Tl 190.794	1016.27	ug/L	7.32324	0.7	822.599
V 292.401	1066.47	ug/L	3.70031	0.3	42505.8
Zn 202.548	1034.81	ug/L	2.80832	0.3	24355.6
Zr 339.198	1078.95	ug/L	0.126799	0.0	63560.8

LCSD 360-48947/3-A (Samp) **9/15/2009, 12:28:58 PM** **Rack 1, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1007.91	ug/L	0.970891	0.1	8769.77
Al 237.312	5043.99	ug/L	2.66581	0.1	23006.1
As 188.980	1010.48	ug/L	1.95313	0.2	1131.26
B 249.678	1001.48	ug/L	15.2971	1.5	29781.1
Ba 493.408	1027.59	ug/L	0.040310	0.0	2582390
Be 313.042	1012.42	ug/L	0.155327	0.0	3494790
Ca 373.690	20451.9	ug/L	31.3088	0.2	104486
Cd 214.439	1006.37	ug/L	1.73294	0.2	40786.5
Co 228.615	1017.48	ug/L	0.861873	0.1	9390.71
Cr 267.716	1026.17	ug/L	0.938263	0.1	50137.9
Cu 327.395	1024.26	ug/L	10.6312	1.0	69391.4
Fe 273.955	5099.13	ug/L	2.68998	0.1	81158.5
K 404.721	18686.0	ug/L	34.1566	0.2	281.215
Li 610.365	4878.18	ug/L	0.465765	0.0	372494
Mg 279.078	19955.3	ug/L	12.6368	0.1	92510.8
Mn 257.610	1024.91	ug/L	0.040396	0.0	305274
Mo 202.032	1070.50	ug/L	3.56212	0.3	9711.09
Na 330.237	19642.7	ug/L	12.2611	0.1	2796.11
Ni 216.555	1009.10	ug/L	0.230725	0.0	8698.39
Pb 220.353	1010.72	ug/L	2.17436	0.2	5260.99
Sb 217.582	1025.40	ug/L	0.085281	0.0	1964.02
Se 196.026	1005.42	ug/L	2.66693	0.3	557.187
Si 251.611	1043.82	ug/L	9.21121	0.9	5702.12
Si 288.158	1043.87	ug/L	10.1891	1.0	12766.5
Sn 283.998	1028.58	ug/L	0.225891	0.0	4708.83
Sr 421.552	1027.23	ug/L	0.447984	0.0	2509148
Ti 336.122	1046.98	ug/L	0.775815	0.1	257784
Tl 190.794	989.389	ug/L	5.40641	0.5	800.897
V 292.401	1032.17	ug/L	1.21007	0.1	41139.2
Zn 202.548	1004.92	ug/L	1.05190	0.1	23652.2
Zr 339.198	1076.05	ug/L	1.91114	0.2	63390.1

360-24582-F-4-A (Samp) **9/15/2009, 12:31:50 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.491179uv	ug/L	0.030517	6.2	2.06140
Al 237.312	11.5573	ug/L	0.030645	0.3	58.9872
As 188.980	1.11427	ug/L	0.194555	17.5	2.87509
B 249.678	31.4485	ug/L	4.12398	13.1	954.127
Ba 493.408	0.162598	ug/L	0.001887	1.2	490.658
Be 313.042	0.057459	ug/L	0.002504	4.4	158.931
Ca 373.690	77.5819	ug/L	1.18591	1.5	423.405
Cd 214.439	0.026120	ug/L	0.009510	36.4	4.28645
Co 228.615	0.019583uv	ug/L	0.188062	960.3	15.0396
Cr 267.716	0.546136	ug/L	0.012070	2.2	57.8375
Cu 327.395	29.2358	ug/L	0.056504	0.2	2041.81
Fe 273.955	105.518	ug/L	0.062914	0.1	1741.11
K 404.721	-258.950uv	ug/L	240.929	93.0	8.97327
Li 610.365	0.125425	ug/L	0.054243	43.2	19.4834
Mg 279.078	8.71585	ug/L	0.997225	11.4	49.4478
Mn 257.610	1.24785	ug/L	0.071018	5.7	398.246
Mo 202.032	11.4742	ug/L	1.46516	12.8	110.210
Na 330.237	21.5183uv	ug/L	51.1246	237.6	13.4446
Ni 216.555	0.110231	ug/L	0.113300	102.8	3.41483
Pb 220.353	1.08971	ug/L	0.100857	9.3	11.7433
Sb 217.582	0.654993	ug/L	0.451262	68.9	2.57906
Se 196.026	3.20290	ug/L	1.97021	61.5	4.53412
Si 251.611	63.4089	ug/L	1.17985	1.9	393.763
Si 288.158	64.9609	ug/L	1.15141	1.8	1158.29
Sn 283.998	0.227155uv	ug/L	0.876369	385.8	12.9206
Sr 421.552	0.203066	ug/L	0.003228	1.6	512.176
Ti 336.122	1.19340	ug/L	0.182211	15.3	330.987
Tl 190.794	2.97384	ug/L	1.40303	47.2	4.42182
V 292.401	-0.066596uv	ug/L	0.050364	75.6	15.9982
Zn 202.548	5.37225	ug/L	0.099665	1.9	131.283
Zr 339.198	1.41580	ug/L	0.366578	25.9	86.5957

360-24582-F-4-B DU (Samp) **9/15/2009, 12:34:45 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.197644uv	ug/L	0.165165	83.6	4.61359
Al 237.312	12.8945	ug/L	0.479616	3.7	65.1867
As 188.980	0.197605	ug/L	0.204443	103.5	1.85034
B 249.678	15.6075	ug/L	0.710009	4.5	483.373
Ba 493.408	0.131313	ug/L	0.000587	0.4	412.040
Be 313.042	0.049244	ug/L	0.000186	0.4	130.574
Ca 373.690	102.905	ug/L	0.483104	0.5	555.125
Cd 214.439	0.001424uv	ug/L	0.002661	186.9	3.28566
Co 228.615	-0.028348uv	ug/L	0.023884	84.3	14.5979
Cr 267.716	0.619947	ug/L	0.031579	5.1	61.4417
Cu 327.395	29.2266	ug/L	0.081573	0.3	2041.19
Fe 273.955	105.313	ug/L	0.029898	0.0	1737.77
K 404.721	-64.0572uv	ug/L	139.218	217.3	11.6237
Li 610.365	-0.389987uv	ug/L	0.097145	24.9	-19.8721
Mg 279.078	10.2088	ug/L	0.290189	2.8	56.4771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1.25436	ug/L	0.016628	1.3	400.182
Mo 202.032	3.29869	ug/L	0.625583	19.0	36.0928
Na 330.237	-7.37002uv	ug/L	2.22589	30.2	9.48523
Ni 216.555	0.252539	ug/L	0.090022	35.6	4.64117
Pb 220.353	1.16405	ug/L	0.408426	35.1	12.1299
Sb 217.582	2.29175	ug/L	0.703042	30.7	5.71194
Se 196.026	-0.167246uv	ug/L	0.090642	54.2	2.67573
Si 251.611	61.6279	ug/L	4.76863	7.7	384.120
Si 288.158	63.8053	ug/L	4.32956	6.8	1144.59
Sn 283.998	0.377295	ug/L	0.054061	14.3	13.6062
Sr 421.552	0.208786	ug/L	0.002037	1.0	526.150
Ti 336.122	1.04185	ug/L	0.081329	7.8	293.678
Tl 190.794	-0.058743uv	ug/L	1.24447	2118.5	1.97318
V 292.401	-0.085120uv	ug/L	0.018590	21.8	15.2603
Zn 202.548	7.85853	ug/L	0.017304	0.2	189.789
Zr 339.198	0.938992	ug/L	0.108954	11.6	58.5083

360-24582-F-4-C MS (Samp) **9/15/2009, 12:37:38 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1017.06	ug/L	6.52192	0.6	8849.33
Al 237.312	5080.38	ug/L	30.2713	0.6	23169.2
As 188.980	1016.43	ug/L	1.53014	0.2	1137.91
B 249.678	985.100	ug/L	11.5421	1.2	29294.3
Ba 493.408	1039.50	ug/L	5.72159	0.6	2612315
Be 313.042	1018.96	ug/L	4.14273	0.4	3517356
Ca 373.690	20719.6	ug/L	95.2260	0.5	105828
Cd 214.439	1012.57	ug/L	5.59699	0.6	41037.6
Co 228.615	1027.73	ug/L	4.93611	0.5	9485.16
Cr 267.716	1034.78	ug/L	5.35207	0.5	50558.3
Cu 327.395	1066.84	ug/L	20.7754	1.9	72273.5
Fe 273.955	5194.76	ug/L	20.7947	0.4	82637.9
K 404.721	18744.4	ug/L	228.934	1.2	282.101
Li 610.365	4860.43	ug/L	18.1124	0.4	371139
Mg 279.078	20018.7	ug/L	96.5864	0.5	92800.0
Mn 257.610	1035.99	ug/L	5.65012	0.5	308573
Mo 202.032	1070.61	ug/L	10.5755	1.0	9712.12
Na 330.237	19714.2	ug/L	87.3912	0.4	2806.61
Ni 216.555	1021.51	ug/L	7.27698	0.7	8805.35
Pb 220.353	1015.05	ug/L	6.45421	0.6	5283.50
Sb 217.582	1027.38	ug/L	5.54404	0.5	1967.81
Se 196.026	1014.54	ug/L	3.18120	0.3	562.216
Si 251.611	1084.08	ug/L	18.0217	1.7	5920.12
Si 288.158	1081.17	ug/L	17.7204	1.6	13208.7
Sn 283.998	1032.95	ug/L	6.33358	0.6	4728.81
Sr 421.552	1039.23	ug/L	5.10175	0.5	2538455
Ti 336.122	1055.89	ug/L	4.57254	0.4	259976
Tl 190.794	993.770	ug/L	5.32730	0.5	804.434
V 292.401	1044.54	ug/L	5.51158	0.5	41632.1
Zn 202.548	1011.19	ug/L	5.97070	0.6	23799.8
Zr 339.198	1085.62	ug/L	4.00820	0.4	63954.3

360-24582-F-4-A sd (Samp) **9/15/2009, 12:40:30 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.253480uv	ug/L	0.099047	39.1	4.12811
Al 237.312	3.69793	ug/L	0.356846	9.6	22.5482
As 188.980	1.32679	ug/L	1.70273	128.3	3.11267
B 249.678	28.4284	ug/L	3.83643	13.5	864.377
Ba 493.408	0.062276	ug/L	0.000760	1.2	238.554
Be 313.042	0.022980	ug/L	0.001470	6.4	39.9114
Ca 373.690	16.7697	ug/L	0.076822	0.5	107.060
Cd 214.439	0.028247uv	ug/L	0.045161	159.9	4.37268
Co 228.615	0.050469uv	ug/L	0.166685	330.3	15.3242
Cr 267.716	0.022547	ug/L	0.016834	74.7	32.2713
Cu 327.395	6.15237	ug/L	0.203789	3.3	479.375
Fe 273.955	22.5413	ug/L	0.136495	0.6	385.489
K 404.721	-84.0278uv	ug/L	68.6265	81.7	11.3521
Li 610.365	-0.009221uv	ug/L	0.032213	349.3	9.20215
Mg 279.078	2.48580	ug/L	0.776419	31.2	20.1144
Mn 257.610	0.285647	ug/L	0.008674	3.0	111.674
Mo 202.032	8.40506	ug/L	1.15370	13.7	82.3861
Na 330.237	11.6550uv	ug/L	37.9996	326.0	12.0927
Ni 216.555	0.148628uv	ug/L	0.317407	213.6	3.74571
Pb 220.353	0.302219	ug/L	0.130110	43.1	7.64905
Sb 217.582	2.18248	ug/L	1.58031	72.4	5.50278
Se 196.026	0.962218	ug/L	0.751662	78.1	3.29855
Si 251.611	15.3622	ug/L	1.35654	8.8	133.618
Si 288.158	16.1805	ug/L	1.55638	9.6	579.840
Sn 283.998	0.381585	ug/L	0.469931	123.2	13.6258
Sr 421.552	0.058613	ug/L	0.001097	1.9	159.335
Ti 336.122	0.480193	ug/L	0.127410	26.5	155.408
Tl 190.794	3.90234	ug/L	1.22107	31.3	5.17154
V 292.401	-0.076325uv	ug/L	0.003711	4.9	15.6107
Zn 202.548	1.14145	ug/L	0.078303	6.9	31.7253
Zr 339.198	0.444529	ug/L	0.131514	29.6	29.3809

LB 360-48940/1-B (Samp) **9/15/2009, 12:43:22 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.604003uv	ug/L	0.459766	76.1	1.08044
Al 237.312	8.68772	ug/L	0.607932	7.0	45.6830
As 188.980	-0.241218uv	ug/L	1.62425	673.4	1.35977
B 249.678	39.3554	ug/L	0.624620	1.6	1189.10
Ba 493.408	0.790631	ug/L	0.002753	0.3	2068.88
Be 313.042	0.018772	ug/L	0.001530	8.1	25.3872
Ca 373.690	54.0087	ug/L	0.071117	0.1	300.781
Cd 214.439	0.047670	ug/L	0.047400	99.4	5.15979
Co 228.615	-0.069129uv	ug/L	0.156894	227.0	14.2222
Cr 267.716	0.260801	ug/L	0.087583	33.6	43.9050
Cu 327.395	3.27748	ug/L	0.032113	1.0	284.783
Fe 273.955	9.57892	ug/L	0.322693	3.4	173.612
K 404.721	157.770	ug/L	158.401	100.4	14.6418
Li 610.365	0.370061	ug/L	0.082675	22.3	38.1631
Mg 279.078	8.67813	ug/L	0.262267	3.0	49.2701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	0.328240	ug/L	0.026058	7.9	124.359
Mo 202.032	2.78557	ug/L	0.750890	27.0	31.4410
Na 330.237	117.268	ug/L	31.4304	26.8	26.5695
Ni 216.555	0.592381	ug/L	0.021342	3.6	7.56978
Pb 220.353	7.62184	ug/L	0.091651	1.2	45.7050
Sb 217.582	1.19579	ug/L	0.456515	38.2	3.61418
Se 196.026	-0.578595uv	ug/L	1.87739	324.5	2.44890
Si 251.611	27.4589	ug/L	2.13432	7.8	199.115
Si 288.158	28.8904	ug/L	2.04942	7.1	730.558
Sn 283.998	0.417967	ug/L	0.298789	71.5	13.7919
Sr 421.552	0.194321	ug/L	0.000098	0.1	490.816
Ti 336.122	0.332324	ug/L	0.087042	26.2	119.006
Tl 190.794	-0.140263uv	ug/L	0.525647	374.8	1.90736
V 292.401	-0.080923uv	ug/L	0.006933	8.6	15.4275
Zn 202.548	11.0800	ug/L	0.026309	0.2	265.596
Zr 339.198	0.912552	ug/L	0.212179	23.3	56.9508

360-24507-A-2-C (Samp) **9/15/2009, 12:46:16 PM** **Rack 1, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.284059uv	ug/L	0.137467	48.4	3.86224
Al 237.312	4124.06	ug/L	10.3193	0.3	18868.8
As 188.980	0.628872	ug/L	0.466169	74.1	2.33246
B 249.678	46.6154	ug/L	0.090972	0.2	1404.85
Ba 493.408	55.6961	ug/L	0.205793	0.4	140045
Be 313.042	0.041648	ug/L	0.002029	4.9	104.352
Ca 373.690	146104	ug/L	690.921	0.5	671264
Cd 214.439	0.006008uv	ug/L	0.027612	459.6	3.47141
Co 228.615	0.003515uv	ug/L	0.192916	5487.6	14.8916
Cr 267.716	54.2624	ug/L	0.306956	0.6	2680.74
Cu 327.395	234.795	ug/L	0.853252	0.4	15955.4
Fe 273.955	4.38807	ug/L	0.024368	0.6	88.7557
K 404.721	2805.03	ug/L	47.3706	1.7	50.9697
Li 610.365	1.30943	ug/L	0.035559	2.7	109.891
Mg 279.078	50.9411	ug/L	0.089065	0.2	248.252
Mn 257.610	0.011337	ug/L	0.014758	130.2	29.9768
Mo 202.032	161.540	ug/L	1.29610	0.8	1470.68
Na 330.237	5402.75	ug/L	68.3066	1.3	757.997
Ni 216.555	0.517836	ug/L	0.683341	132.0	6.92738
Pb 220.353	1.04242	ug/L	0.300961	28.9	11.4975
Sb 217.582	13.7181	ug/L	1.75023	12.8	27.5829
Se 196.026	11.3155	ug/L	2.16771	19.2	9.00766
Si 251.611	7002.15	ug/L	22.3799	0.3	37963.0
Si 288.158	7065.97	ug/L	13.9315	0.2	84178.0
Sn 283.998	28.6138	ug/L	0.122411	0.4	142.547
Sr 421.552	327.522	ug/L	1.31061	0.4	800026
Ti 336.122	-0.057285uv	ug/L	0.033341	58.2	23.0916
Tl 190.794	0.111605uv	ug/L	1.38607	1241.9	2.11073
V 292.401	7.03410	ug/L	0.083485	1.2	298.883
Zn 202.548	6.59377	ug/L	0.002983	0.0	160.027
Zr 339.198	8.04174	ug/L	1.09104	13.6	476.911

360-24507-A-2-D MS (Samp) **9/15/2009, 12:49:08 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	217.683	ug/L	0.880722	0.4	1899.01
Al 237.312	5233.09	ug/L	4.48088	0.1	23853.4
As 188.980	980.873	ug/L	1.29022	0.1	1098.16
B 249.678	46.1537	ug/L	0.176520	0.4	1391.13
Ba 493.408	1078.89	ug/L	0.554671	0.1	2711293
Be 313.042	979.409	ug/L	1.11202	0.1	3380844
Ca 373.690	149316	ug/L	451.200	0.3	685005
Cd 214.439	960.403	ug/L	2.07165	0.2	38923.5
Co 228.615	980.762	ug/L	2.46089	0.3	9052.33
Cr 267.716	1047.03	ug/L	2.56516	0.2	51156.6
Cu 327.395	1248.52	ug/L	0.249801	0.0	84571.2
Fe 273.955	4.86610	ug/L	0.165288	3.4	96.5704
K 404.721	1832.78	ug/L	82.5482	4.5	37.5596
Li 610.365	1.35298	ug/L	0.122828	9.1	113.216
Mg 279.078	48.9201	ug/L	0.268537	0.5	238.738
Mn 257.610	992.977	ug/L	2.76593	0.3	295762
Mo 202.032	167.314	ug/L	0.593449	0.4	1523.02
Na 330.237	5329.74	ug/L	4.02167	0.1	747.799
Ni 216.555	973.690	ug/L	4.45511	0.5	8393.28
Pb 220.353	969.995	ug/L	3.53834	0.4	5049.26
Sb 217.582	16.8454	ug/L	0.342130	2.0	33.5688
Se 196.026	978.297	ug/L	4.03600	0.4	542.228
Si 251.611	7095.06	ug/L	19.7634	0.3	38466.1
Si 288.158	7227.10	ug/L	11.8982	0.2	86088.8
Sn 283.998	463.374	ug/L	1.31346	0.3	2127.86
Sr 421.552	1361.05	ug/L	1.31150	0.1	3324525
Ti 336.122	-0.027565uv	ug/L	0.080161	290.8	30.4082
Tl 190.794	955.552	ug/L	9.30361	1.0	773.575
V 292.401	1005.93	ug/L	2.11541	0.2	40093.7
Zn 202.548	960.637	ug/L	2.59485	0.3	22610.2
Zr 339.198	5.70615	ug/L	0.986216	17.3	339.328

CCV (CCV) **9/15/2009, 12:52:00 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	987.815	ug/L	0.789280	0.1	8595.03	98.78154
Al 237.312	4915.35	ug/L	1.72564	0.0	22429.1	98.30707
As 188.980	984.356	ug/L	0.099005	0.0	1102.06	98.43560
B 249.678	965.665	ug/L	17.7194	1.8	28716.7	96.56651
Ba 493.408	986.546	ug/L	0.996441	0.1	2479239	98.65462
Be 313.042	984.019	ug/L	2.43258	0.2	3396757	98.40188
Ca 373.690	19606.0	ug/L	20.2989	0.1	100242	98.02999
Cd 214.439	982.031	ug/L	0.280616	0.0	39800.0	98.20310
Co 228.615	981.188	ug/L	0.344188	0.0	9056.26	98.11885
Cr 267.716	982.818	ug/L	0.919964	0.1	48021.0	98.28185
Cu 327.395	980.756	ug/L	5.32074	0.5	66446.9	98.07559
Fe 273.955	4910.00	ug/L	0.466110	0.0	78228.2	98.19997
K 404.721	18560.8	ug/L	78.8645	0.4	279.318	92.80411
Li 610.365	4875.69	ug/L	3.12536	0.1	372304	97.51382
Mg 279.078	19614.2	ug/L	11.6604	0.1	90954.3	98.07098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	982.452	ug/L	0.759069	0.1	292628	98.24524
Mo 202.032	986.498	ug/L	2.16387	0.2	8949.56	98.64980
Na 330.237	19602.9	ug/L	68.6722	0.4	2790.29	98.01460
Ni 216.555	979.461	ug/L	1.94895	0.2	8443.02	97.94612
Pb 220.353	984.867	ug/L	0.785784	0.1	5126.58	98.48667
Sb 217.582	982.313	ug/L	1.59380	0.2	1881.55	98.23132
Se 196.026	985.287	ug/L	1.49060	0.2	546.083	98.52873
Si 251.611	987.564	ug/L	6.40147	0.6	5397.53	98.75645
Si 288.158	987.749	ug/L	7.06675	0.7	12100.9	98.77490
Sn 283.998	984.019	ug/L	1.08902	0.1	4505.36	98.40186
Sr 421.552	986.630	ug/L	0.084893	0.0	2409973	98.66301
Ti 336.122	984.661	ug/L	0.801710	0.1	242442	98.46608
Tl 190.794	985.908	ug/L	4.21023	0.4	798.086	98.59077
V 292.401	983.212	ug/L	0.388986	0.0	39188.8	98.32117
Zn 202.548	980.311	ug/L	0.241860	0.0	23073.2	98.03111
Zr 339.198	986.097	ug/L	4.59512	0.5	58091.3	98.60966

CCB (CCB) **9/15/2009, 12:54:52 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.105186uv	ug/L	0.039035	37.1	5.41748	-0.10519
Al 237.312	1.38827	ug/L	0.581952	41.9	11.8394	1.38827
As 188.980	2.20388	ug/L	0.138340	6.3	4.09319	2.20388
B 249.678	24.0602	ug/L	3.55226	14.8	734.565	24.06015
Ba 493.408	0.059557	ug/L	0.012297	20.6	231.720	0.05956
Be 313.042	0.061116	ug/L	0.014551	23.8	171.557	0.06112
Ca 373.690	2.97460	ug/L	0.158153	5.3	35.2937	2.97460
Cd 214.439	0.033069	ug/L	0.026768	80.9	4.56808	0.03307
Co 228.615	0.231657	ug/L	0.197974	85.5	16.9938	0.23166
Cr 267.716	-0.124593uv	ug/L	0.039734	31.9	25.0866	-0.12459
Cu 327.395	0.113074uv	ug/L	0.162721	143.9	70.5959	0.11307
Fe 273.955	1.64736	ug/L	0.730578	44.3	43.9510	1.64736
K 404.721	-45.9334uv	ug/L	106.733	232.4	11.8701	-45.93341
Li 610.365	-0.577850uv	ug/L	0.093039	16.1	-34.2168	-0.57785
Mg 279.078	1.53258	ug/L	1.23550	80.6	15.6262	1.53258
Mn 257.610	0.245789	ug/L	0.005159	2.1	99.8031	0.24579
Mo 202.032	11.3110	ug/L	2.04802	18.1	108.731	11.31105
Na 330.237	7.44420uv	ug/L	27.3485	367.4	11.5155	7.44420
Ni 216.555	0.372558	ug/L	0.224572	60.3	5.67545	0.37256
Pb 220.353	-0.046488uv	ug/L	0.172362	370.8	5.83606	-0.04649
Sb 217.582	1.72137	ug/L	0.146775	8.5	4.62019	1.72137
Se 196.026	2.08169	ug/L	0.032931	1.6	3.91586	2.08169
Si 251.611	1.36302	ug/L	0.867101	63.6	57.8205	1.36302
Si 288.158	2.03176	ug/L	0.944158	46.5	412.061	2.03176
Sn 283.998	-0.351525uv	ug/L	0.770459	219.2	10.2781	-0.35153
Sr 421.552	0.062499	ug/L	0.018035	28.9	168.826	0.06250
Ti 336.122	0.429165	ug/L	0.165534	38.6	142.846	0.42916
Tl 190.794	1.22384	ug/L	1.12606	92.0	3.00879	1.22384
V 292.401	0.041915	ug/L	0.020408	48.7	20.3212	0.04192
Zn 202.548	0.436653	ug/L	0.029279	6.7	15.1403	0.43665
Zr 339.198	0.549393	ug/L	0.114399	20.8	35.5581	0.54939

LB 360-48915/1-B (Samp) **9/15/2009, 12:57:44 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.279299uv	ug/L	0.107645	38.5	3.90363
Al 237.312	2.19881	ug/L	0.088373	4.0	15.5975
As 188.980	3.00182	ug/L	2.30648	76.8	4.98521
B 249.678	14.8864	ug/L	0.480278	3.2	461.946
Ba 493.408	0.604184	ug/L	0.003101	0.5	1600.35
Be 313.042	0.048597	ug/L	0.002013	4.1	128.340
Ca 373.690	35.2468	ug/L	0.022000	0.1	203.182
Cd 214.439	0.028145	ug/L	0.017774	63.2	4.36855
Co 228.615	0.030184uv	ug/L	0.092394	306.1	15.1373
Cr 267.716	0.491860	ug/L	0.007649	1.6	55.1873
Cu 327.395	1.32876	ug/L	0.090792	6.8	152.882
Fe 273.955	3.65952	ug/L	0.317647	8.7	76.8457
K 404.721	249.467	ug/L	82.8568	33.2	15.8900
Li 610.365	-0.197583uv	ug/L	0.035613	18.0	-5.18066
Mg 279.078	3.62312	ug/L	0.766539	21.2	25.4693
Mn 257.610	0.102489	ug/L	0.009866	9.6	57.1244
Mo 202.032	3.43550	ug/L	1.06130	30.9	37.3332
Na 330.237	-x	ug/L	1738.95	0.1	219573
Ni 216.555	4.12743	ug/L	0.118299	2.9	38.0332
Pb 220.353	0.392864	ug/L	0.164800	41.9	8.12033
Sb 217.582	1.44910	ug/L	0.912557	63.0	4.09903
Se 196.026	4.67975	ug/L	2.33001	49.8	5.34850
Si 251.611	19.4771	ug/L	1.03740	5.3	155.898
Si 288.158	21.2125	ug/L	1.56163	7.4	639.510
Sn 283.998	-0.609689uv	ug/L	0.636045	104.3	9.09918
Sr 421.552	2.18191	ug/L	0.004736	0.2	5345.73
Ti 336.122	0.279821	ug/L	0.112472	40.2	106.081
Tl 190.794	-2.51545uv	ug/L	0.160098	6.4	-0.010475
V 292.401	-0.025294uv	ug/L	0.070416	278.4	17.6437
Zn 202.548	3.96208	ug/L	0.076429	1.9	98.0992
Zr 339.198	1.29088	ug/L	0.160817	12.5	79.2372

360-24558-A-8-B (Samp) **9/15/2009, 1:00:36 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.53253	ug/L	0.208221	8.2	28.3514
Al 237.312	39.9492	ug/L	0.607759	1.5	190.608
As 188.980	6.39014	ug/L	0.727725	11.4	8.77307
B 249.678	143.675	ug/L	1.13116	0.8	4289.21
Ba 493.408	360.069	ug/L	0.418960	0.1	904922
Be 313.042	0.090053	ug/L	0.000282	0.3	271.445
Ca 373.690	-x	ug/L	669.542	0.1	2718224
Cd 214.439	50.1561	ug/L	0.018973	0.0	2035.80
Co 228.615	8.81820	ug/L	0.090305	1.0	96.1166
Cr 267.716	19.9353	ug/L	0.040621	0.2	1004.59
Cu 327.395	705.504	ug/L	1.58814	0.2	47816.0
Fe 273.955	12.6154	ug/L	0.514154	4.1	223.247
K 404.721	8467.75	ug/L	223.388	2.6	130.649
Li 610.365	22.4177	ug/L	0.432640	1.9	1721.66
Mg 279.078	21292.7	ug/L	4.19430	0.0	98606.3

MET091509emn@720/725/730/735-ES@Quant@. All Data Report 9/15/2009, 1:51:15 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	260.538	ug/L	0.074793	0.0	77622.0
Mo 202.032	58.6211	ug/L	0.348712	0.6	537.634
Na 330.237	-x	ug/L	94.2220	0.0	219129
Ni 216.555	114.366	ug/L	0.525183	0.5	988.020
Pb 220.353	299.850	ug/L	0.251527	0.1	1565.05
Sb 217.582	23.6911	ug/L	0.487327	2.1	46.6719
Se 196.026	7.95609	ug/L	2.49252	31.3	7.15517
Si 251.611	-x	ug/L	98.2354	0.3	175663
Si 288.158	-x	ug/L	21.2740	0.1	396483
Sn 283.998	9.07020	ug/L	0.285652	3.1	53.3020
Sr 421.552	879.050	ug/L	2.52895	0.3	2147197
Ti 336.122	-0.054196uv	ug/L	0.003088	5.7	23.8521
Tl 190.794	-3.16057uv	ug/L	0.213428	6.8	-0.531372
V 292.401	10.7946	ug/L	0.071456	0.7	448.698
Zn 202.548	5378.05	ug/L	5.73454	0.1	126559
Zr 339.198	8.13345	ug/L	1.05747	13.0	482.313

360-24558-A-9-B (Samp) **9/15/2009, 1:03:28 PM** **Rack 1, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.72513	ug/L	0.603934	35.0	21.3314
Al 237.312	205.831	ug/L	1.19101	0.6	959.116
As 188.980	5.59033	ug/L	0.918188	16.4	7.87895
B 249.678	185.843	ug/L	0.719892	0.4	5542.35
Ba 493.408	518.165	ug/L	2.96312	0.6	1302212
Be 313.042	1.12739	ug/L	0.003287	0.3	3852.31
Ca 373.690	-x	ug/L	2085.06	0.4	2183364
Cd 214.439	100.550	ug/L	0.307234	0.3	4078.03
Co 228.615	16.9122	ug/L	0.034636	0.2	170.700
Cr 267.716	6.22404	ug/L	0.086094	1.4	335.083
Cu 327.395	6510.10	ug/L	33.8389	0.5	440709
Fe 273.955	56.8377	ug/L	0.118497	0.2	945.947
K 404.721	8777.92	ug/L	763.784	8.7	135.102
Li 610.365	14.5981	ug/L	0.111596	0.8	1124.58
Mg 279.078	20204.7	ug/L	60.8927	0.3	93648.6
Mn 257.610	633.265	ug/L	2.20367	0.3	188630
Mo 202.032	18.0844	ug/L	0.373911	2.1	170.137
Na 330.237	-x	ug/L	5335.83	0.4	229006
Ni 216.555	210.471	ug/L	4.20556	2.0	1816.21
Pb 220.353	8760.74	ug/L	18.5795	0.2	45554.7
Sb 217.582	29.7164	ug/L	0.586289	2.0	58.2048
Se 196.026	5.88729	ug/L	1.35080	22.9	6.01437
Si 251.611	-x	ug/L	172.247	0.5	193758
Si 288.158	-x	ug/L	139.433	0.4	437079
Sn 283.998	4.11234	ug/L	0.202179	4.9	30.6621
Sr 421.552	726.645	ug/L	3.26152	0.4	1774930
Ti 336.122	-0.068329uv	ug/L	0.005510	8.1	20.3728
Tl 190.794	-1.20865uv	ug/L	1.41583	117.1	1.04469
V 292.401	7.60465	ug/L	0.025137	0.3	321.613
Zn 202.548	16699.7	ug/L	225.306	1.3	392975
Zr 339.198	3.55564	ug/L	0.610430	17.2	212.648

360-24494-A-3-C (Samp) **9/15/2009, 1:06:19 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.523913uv	ug/L	0.109154	20.8	1.77679
Al 237.312	220.792	ug/L	0.626746	0.3	1028.39
As 188.980	4.45972	ug/L	0.672663	15.1	6.61503
B 249.678	776.390	ug/L	13.5675	1.7	23091.9
Ba 493.408	841.320	ug/L	2.53236	0.3	2114290
Be 313.042	0.051377	ug/L	0.001492	2.9	137.936
Ca 373.690	32889.9	ug/L	115.220	0.4	166127
Cd 214.439	1.47382	ug/L	0.010450	0.7	62.9546
Co 228.615	1.44363	ug/L	0.244820	17.0	28.1619
Cr 267.716	1.82081	ug/L	0.169572	9.3	120.078
Cu 327.395	764.884	ug/L	2.80771	0.4	51835.3
Fe 273.955	61.5206	ug/L	0.518944	0.8	1022.46
K 404.721	8667.90	ug/L	268.779	3.1	133.515
Li 610.365	0.836080	ug/L	0.069906	8.4	73.7471
Mg 279.078	3638.01	ug/L	12.7790	0.4	17089.3
Mn 257.610	134.533	ug/L	0.414331	0.3	40094.2
Mo 202.032	1.63003	ug/L	0.228520	14.0	20.9651
Na 330.237	-x	ug/L	2642.90	0.2	195265
Ni 216.555	14.8196	ug/L	0.638196	4.3	130.174
Pb 220.353	16.4967	ug/L	0.109374	0.7	91.8472
Sb 217.582	2.21687	ug/L	0.286640	12.9	5.56862
Se 196.026	2.76224	ug/L	1.25181	45.3	4.29113
Si 251.611	1210.56	ug/L	9.12264	0.8	6604.95
Si 288.158	1217.23	ug/L	2.17950	0.2	14822.2
Sn 283.998	2.00512	ug/L	0.433676	21.6	21.0396
Sr 421.552	145.335	ug/L	0.509183	0.4	355013
Ti 336.122	0.360021	ug/L	0.003660	1.0	125.824
Tl 190.794	-3.38581uv	ug/L	0.120104	3.5	-0.713242
V 292.401	1.16811	ug/L	0.057481	4.9	65.1876
Zn 202.548	1064.88	ug/L	0.594809	0.1	25063.2
Zr 339.198	10.7567	ug/L	2.02452	18.8	636.841

360-24494-A-3-D MS (Samp) **9/15/2009, 1:09:10 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	172.952	ug/L	1.45183	0.8	1510.09
Al 237.312	938.727	ug/L	1.19342	0.1	4344.54
As 188.980	834.999	ug/L	2.41799	0.3	935.088
B 249.678	722.078	ug/L	5.00175	0.7	21477.9
Ba 493.408	1444.97	ug/L	5.83441	0.4	3631235
Be 313.042	743.917	ug/L	2.31950	0.3	2567936
Ca 373.690	32170.2	ug/L	110.068	0.3	162599
Cd 214.439	744.933	ug/L	1.51637	0.2	30191.6
Co 228.615	722.724	ug/L	2.12715	0.3	6674.57
Cr 267.716	747.388	ug/L	1.57822	0.2	36525.3
Cu 327.395	1518.01	ug/L	4.03816	0.3	102812
Fe 273.955	57.1995	ug/L	0.103267	0.2	951.859
K 404.721	7446.90	ug/L	394.326	5.3	116.089
Li 610.365	0.987558	ug/L	0.011630	1.2	85.3135
Mg 279.078	3562.65	ug/L	8.94052	0.3	16736.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	864.350	ug/L	2.19175	0.3	257454
Mo 202.032	1.22853	ug/L	0.348889	28.4	17.3252
Na 330.237	-x	ug/L	2464.09	0.2	193671
Ni 216.555	749.507	ug/L	0.737620	0.1	6461.38
Pb 220.353	716.201	ug/L	1.92633	0.3	3729.73
Sb 217.582	2.67109	ug/L	1.78173	66.7	6.43802
Se 196.026	866.519	ug/L	4.72308	0.5	480.591
Si 251.611	1054.44	ug/L	10.6157	1.0	5759.62
Si 288.158	1060.77	ug/L	5.85599	0.6	12966.8
Sn 283.998	330.217	ug/L	0.276818	0.1	1519.81
Sr 421.552	844.425	ug/L	2.18481	0.3	2062621
Ti 336.122	0.354054	ug/L	0.012743	3.6	124.355
Tl 190.794	659.465	ug/L	4.98484	0.8	534.502
V 292.401	754.407	ug/L	2.46322	0.3	30073.5
Zn 202.548	1772.26	ug/L	4.44005	0.3	41709.0
Zr 339.198	7.77946	ug/L	1.69598	21.8	461.460

icsa (Samp) **9/15/2009, 1:22:37 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.135904uv	ug/L	0.438521	322.7	7.51367
Al 237.312	106832	ug/L	226.639	0.2	423716
As 188.980	0.177291uv	ug/L	1.88951	1065.8	1.82763
B 249.678	6.03389	ug/L	0.327712	5.4	198.870
Ba 493.408	0.357146	ug/L	0.005135	1.4	979.551
Be 313.042	0.054123	ug/L	0.000986	1.8	147.416
Ca 373.690	98131.8	ug/L	131.373	0.1	466028
Cd 214.439	0.374487	ug/L	0.044082	11.8	18.4041
Co 228.615	1.15858	ug/L	0.597443	51.6	25.5352
Cr 267.716	0.066630	ug/L	0.043617	65.5	34.4238
Cu 327.395	0.567767	ug/L	0.005591	1.0	101.373
Fe 273.955	41039.0	ug/L	21.9562	0.1	549050
K 404.721	1977.72	ug/L	131.765	6.7	39.5540
Li 610.365	1.38854	ug/L	0.013095	0.9	115.932
Mg 279.078	102005	ug/L	139.178	0.1	442279
Mn 257.610	3.12695	ug/L	0.015915	0.5	957.893
Mo 202.032	0.206311	ug/L	0.002318	1.1	8.05798
Na 330.237	162.896	ug/L	73.2698	45.0	32.8262
Ni 216.555	5.36316	ug/L	0.115103	2.1	48.6822
Pb 220.353	-1.60420uv	ug/L	0.147741	9.2	-2.26276
Sb 217.582	0.481788	ug/L	0.020721	4.3	2.24753
Se 196.026	-0.519717uv	ug/L	2.41034	463.8	2.48137
Si 251.611	-0.993012uv	ug/L	1.02925	103.6	45.0640
Si 288.158	-0.427258uv	ug/L	0.492369	115.2	382.901
Sn 283.998	1.37359	ug/L	0.147211	10.7	18.1558
Sr 421.552	0.570852	ug/L	0.002884	0.5	1410.54
Ti 336.122	1.52096	ug/L	0.111324	7.3	411.626
Tl 190.794	0.384912uv	ug/L	3.11911	810.3	2.33141
V 292.401	1.61354	ug/L	0.202377	12.5	82.9332
Zn 202.548	1.88536	ug/L	0.149503	7.9	49.2308
Zr 339.198	0.380637	ug/L	0.040612	10.7	25.6172

icsab (Samp) **9/15/2009, 1:25:29 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	600.406	ug/L	1.47658	0.2	5226.64
Al 237.312	110179	ug/L	217.319	0.2	436695
As 188.980	1945.64	ug/L	0.271466	0.0	2176.69
B 249.678	6.07590	ug/L	0.806207	13.3	200.118
Ba 493.408	580.336	ug/L	1.06610	0.2	1458446
Be 313.042	190.966	ug/L	0.243327	0.1	659168
Ca 373.690	100967	ug/L	231.920	0.2	478172
Cd 214.439	562.547	ug/L	0.226236	0.0	22800.4
Co 228.615	566.064	ug/L	0.877064	0.2	5230.99
Cr 267.716	563.691	ug/L	0.908441	0.2	27555.5
Cu 327.395	592.923	ug/L	1.62975	0.3	40195.8
Fe 273.955	42275.6	ug/L	81.0079	0.2	563985
K 404.721	40456.7	ug/L	441.478	1.1	631.148
Li 610.365	1.37757	ug/L	0.004377	0.3	115.094
Mg 279.078	104152	ug/L	137.626	0.1	450821
Mn 257.610	378.588	ug/L	0.659762	0.2	112781
Mo 202.032	0.125097	ug/L	0.159641	127.6	7.32172
Na 330.237	26.5274uv	ug/L	70.7930	266.9	14.1313
Ni 216.555	565.909	ug/L	0.448415	0.1	4879.22
Pb 220.353	1844.50	ug/L	2.57060	0.1	9595.95
Sb 217.582	955.266	ug/L	1.67070	0.2	1829.78
Se 196.026	953.641	ug/L	3.62906	0.4	528.632
Si 251.611	-0.983903uv	ug/L	0.194652	19.8	45.1133
Si 288.158	1.22582	ug/L	1.14389	93.3	402.504
Sn 283.998	239.363	ug/L	1.41530	0.6	1104.92
Sr 421.552	0.619934	ug/L	0.006700	1.1	1530.43
Ti 336.122	1.55683	ug/L	0.055167	3.5	420.457
Tl 190.794	1830.07	ug/L	7.98111	0.4	1479.70
V 292.401	578.827	ug/L	1.20654	0.2	23078.5
Zn 202.548	550.099	ug/L	4.75571	0.9	12949.6
Zr 339.198	1.44415	ug/L	0.163950	11.4	88.2656

CCV (CCV) **9/15/2009, 1:28:22 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	978.163	ug/L	2.84375	0.3	8511.11	97.81632
Al 237.312	4866.37	ug/L	9.04979	0.2	22209.2	97.32736
As 188.980	977.587	ug/L	3.18207	0.3	1094.49	97.75869
B 249.678	956.322	ug/L	5.50537	0.6	28439.0	95.63219
Ba 493.408	977.569	ug/L	2.06388	0.2	2456679	97.75686
Be 313.042	977.670	ug/L	2.35317	0.2	3374841	97.76700
Ca 373.690	19440.4	ug/L	56.9014	0.3	99409.9	97.20195
Cd 214.439	972.574	ug/L	2.68014	0.3	39416.8	97.25743
Co 228.615	972.671	ug/L	2.06219	0.2	8977.77	97.26707
Cr 267.716	974.347	ug/L	3.13718	0.3	47607.4	97.43471
Cu 327.395	964.890	ug/L	6.88531	0.7	65373.0	96.48900
Fe 273.955	4868.39	ug/L	14.7187	0.3	77582.8	97.36782
K 404.721	18413.4	ug/L	47.1151	0.3	277.085	92.06725
Li 610.365	4835.03	ug/L	9.98650	0.2	369199	96.70055
Mg 279.078	19454.9	ug/L	52.8631	0.3	90227.1	97.27461

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	974.144	ug/L	2.25818	0.2	290153	97.41435
Mo 202.032	973.562	ug/L	4.44674	0.5	8832.29	97.35622
Na 330.237	19461.7	ug/L	82.1625	0.4	2769.60	97.30873
Ni 216.555	971.617	ug/L	1.19100	0.1	8375.43	97.16172
Pb 220.353	974.644	ug/L	2.87055	0.3	5073.42	97.46437
Sb 217.582	972.241	ug/L	1.13200	0.1	1862.27	97.22414
Se 196.026	977.064	ug/L	0.950477	0.1	541.549	97.70642
Si 251.611	974.819	ug/L	11.8434	1.2	5328.53	97.48193
Si 288.158	975.575	ug/L	10.3238	1.1	11956.6	97.55750
Sn 283.998	973.997	ug/L	2.32606	0.2	4459.60	97.39970
Sr 421.552	976.897	ug/L	2.30332	0.2	2386198	97.68967
Ti 336.122	979.566	ug/L	1.35694	0.1	241187	97.95657
Tl 190.794	974.684	ug/L	0.438360	0.0	789.024	97.46843
V 292.401	975.375	ug/L	2.43439	0.2	38876.6	97.53751
Zn 202.548	972.079	ug/L	2.96304	0.3	22879.5	97.20790
Zr 339.198	982.195	ug/L	5.71236	0.6	57861.5	98.21951

CCB (CCB) **9/15/2009, 1:31:14 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.598555uv	ug/L	0.243662	40.7	1.12781	-0.59856
Al 237.312	0.629912	ug/L	0.279525	44.4	8.32318	0.62991
As 188.980	0.886390	ug/L	0.759580	85.7	2.62034	0.88639
B 249.678	22.1070	ug/L	3.32954	15.1	676.521	22.10696
Ba 493.408	0.065680	ug/L	0.000070	0.1	247.106	0.06568
Be 313.042	0.107637	ug/L	0.002902	2.7	332.144	0.10764
Ca 373.690	2.40130	ug/L	0.323903	13.5	32.3112	2.40130
Cd 214.439	0.058219	ug/L	0.003236	5.6	5.58728	0.05822
Co 228.615	-0.044885uv	ug/L	0.131455	292.9	14.4456	-0.04489
Cr 267.716	-0.149445uv	ug/L	0.062477	41.8	23.8731	-0.14945
Cu 327.395	0.186439	ug/L	0.056493	30.3	75.5618	0.18644
Fe 273.955	2.07336	ug/L	0.692735	33.4	50.9153	2.07336
K 404.721	-18.7419uv	ug/L	349.112	1862.7	12.2410	-18.74191
Li 610.365	-0.183579uv	ug/L	0.019679	10.7	-4.11133	-0.18358
Mg 279.078	0.976179	ug/L	0.127484	13.1	13.0065	0.97618
Mn 257.610	0.249937	ug/L	0.008487	3.4	101.039	0.24994
Mo 202.032	10.9064	ug/L	1.94839	17.9	105.062	10.90638
Na 330.237	1.13300uv	ug/L	6.13093	541.1	10.6505	1.13300
Ni 216.555	0.356054	ug/L	0.151450	42.5	5.53322	0.35605
Pb 220.353	-0.131499uv	ug/L	0.406392	309.0	5.39407	-0.13150
Sb 217.582	2.25411	ug/L	0.993684	44.1	5.63989	2.25411
Se 196.026	4.02614	ug/L	0.517909	12.9	4.98808	4.02614
Si 251.611	0.194719uv	ug/L	1.16274	597.1	51.4948	0.19472
Si 288.158	0.640866	ug/L	0.848380	132.4	395.567	0.64087
Sn 283.998	0.720453	ug/L	0.678556	94.2	15.1732	0.72045
Sr 421.552	0.066530	ug/L	0.002973	4.5	178.673	0.06653
Ti 336.122	0.390508	ug/L	0.133397	34.2	133.330	0.39051
Tl 190.794	1.00714	ug/L	1.09993	109.2	2.83382	1.00714
V 292.401	-0.038580uv	ug/L	0.026580	68.9	17.1144	-0.03858
Zn 202.548	0.455032	ug/L	0.145355	31.9	15.5728	0.45503
Zr 339.198	0.547944	ug/L	0.098928	18.1	35.4728	0.54794

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Blank (Blk) **9/18/2009, 10:08:48 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	2.722	287.3	0.947388
Al 237.312	0.000000	ug/L	0.823	27.5	2.99652
As 188.980	0.000000	ug/L	0.918	59.1	1.55353
B 249.678	0.000000	ug/L	3.594	22.3	16.1326
Ba 493.408	0.000000	ug/L	15.132	12.1	125.044
Be 313.042	0.000000	ug/L	7.079	5.3	134.402
Ca 373.690	0.000000	ug/L	2.287	10.7	21.4238
Cd 214.439	0.000000	ug/L	0.513	27.2	1.88863
Co 228.615	0.000000	ug/L	0.049	0.4	12.8452
Cr 267.716	0.000000	ug/L	1.597	6.8	23.5758
Cu 327.395	0.000000	ug/L	2.049	3.2	64.6794
Fe 273.955	0.000000	ug/L	2.234	10.3	21.7606
K 404.721	0.000000	ug/L	7.526	46.8	16.0787
Li 610.365	0.000000	ug/L	2.587	30.0	8.62598
Mg 279.078	0.000000	ug/L	3.452	24.2	14.2809
Mn 257.610	0.000000	ug/L	0.000	0.0	45.4358
Mo 202.032	0.000000	ug/L	1.031	15.4	6.67387
Na 330.237	0.000000	ug/L	4.551	45.3	10.0582
Ni 216.555	0.000000	ug/L	0.644	17.2	3.74924
Pb 220.353	0.000000	ug/L	2.543	32.8	7.75617
Sb 217.582	0.000000	ug/L	0.513	179.0	0.286743
Se 196.026	0.000000	ug/L	0.597	37.0	1.61441
Si 251.611	0.000000	ug/L	0.713	1.6	43.9089
Si 288.158	0.000000	ug/L	5.421	1.4	378.149
Sn 283.998	0.000000	ug/L	1.086	8.4	12.9648
Sr 421.552	0.000000	ug/L	0.853	3.5	24.2873
Ti 336.122	0.000000	ug/L	8.849	19.7	44.8853
Tl 190.794	0.000000	ug/L	0.525	31.7	1.65399
V 292.401	0.000000	ug/L	0.786	6.4	12.2604
Zn 202.548	0.000000	ug/L	1.825	4.7	38.6034
Zr 339.198	0.000000	ug/L	3.142	107.7	2.91858

Standard 1 (Std) **9/18/2009, 10:11:41 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	3.794	0.0	8537.17
Al 237.312	5000.00	ug/L	34.750	0.2	22467.1
As 188.980	1000.00	ug/L	1.998	0.2	1078.49
B 249.678	1000.00	ug/L	250.397	0.9	29346.8
Ba 493.408	1000.00	ug/L	2049.903	0.1	2507616
Be 313.042	1000.00	ug/L	753.953	0.0	3383703
Ca 373.690	20000.0	ug/L	16.087	0.0	99539.6
Cd 214.439	1000.00	ug/L	26.726	0.1	38828.7
Co 228.615	1000.00	ug/L	4.301	0.0	8945.99
Cr 267.716	1000.00	ug/L	21.034	0.0	47809.9
Cu 327.395	1000.00	ug/L	214.060	0.3	67280.7
Fe 273.955	5000.00	ug/L	20.771	0.0	78643.4
K 404.721	20000.0	ug/L	6.720	2.4	282.255
Li 610.365	5000.00	ug/L	289.980	0.1	372110
Mg 279.078	20000.0	ug/L	66.683	0.1	89529.1
Mn 257.610	1000.00	ug/L	193.128	0.1	293849
Mo 202.032	1000.00	ug/L	1.790	0.0	9097.96
Na 330.237	20000.0	ug/L	5.229	0.2	2786.36

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	26.992	0.3	8487.09
Pb 220.353	1000.00	ug/L	7.149	0.1	5041.51
Sb 217.582	1000.00	ug/L	9.369	0.5	1937.60
Se 196.026	1000.00	ug/L	0.453	0.1	546.393
Si 251.611	1000.00	ug/L	13.719	0.3	5343.96
Si 288.158	1000.00	ug/L	31.517	0.3	12216.7
Sn 283.998	1000.00	ug/L	1.945	0.0	4562.38
Sr 421.552	1000.00	ug/L	2892.597	0.1	2420090
Ti 336.122	1000.00	ug/L	534.230	0.2	245957
Tl 190.794	1000.00	ug/L	1.582	0.2	797.626
V 292.401	1000.00	ug/L	22.484	0.1	39018.9
Zn 202.548	1000.00	ug/L	19.166	0.1	23258.9
Zr 339.198	1000.00	ug/L	165.703	0.3	58180.7

Standard 2 (Std) **9/18/2009, 10:14:34 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	160.563	0.2	105912
Ca 373.690	100000	ug/L	367.474	0.1	468925
Fe 273.955	25000.0	ug/L	230.009	0.1	353330
K 404.721	100000	ug/L	3.103	0.2	1738.42
Mg 279.078	100000	ug/L	121.313	0.0	422399
Na 330.237	100000	ug/L	19.553	0.1	15987.5

RB (ICV) **9/18/2009, 10:17:27 AM** **Rack 0, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1.50550	ug/L	0.266012	17.7	13.7986	-
Al 237.312	0.811485	ug/L	0.521793	64.3	6.69440	-
As 188.980	3.20949	ug/L	1.80551	56.3	5.00995	-
B 249.678	6.04770	ug/L	0.424058	7.0	193.516	-
Ba 493.408	0.163951	ug/L	0.111722	68.1	536.149	-
Be 313.042	0.085784	ug/L	0.098430	114.7	424.659	-
Ca 373.690	2.79427	ug/L	3.01588	107.9	35.5282	-
Cd 214.439	0.187916	ug/L	0.061705	32.8	9.18481	-
Co 228.615	0.373391	ug/L	0.002986	0.8	16.1808	-
Cr 267.716	0.014595uv	ug/L	0.299668	2053.2	24.2733	-
Cu 327.395	0.153808	ug/L	0.080713	52.5	75.0178	-
Fe 273.955	2.75192	ug/L	1.49436	54.3	66.1273	-
K 404.721	-366.839uv	ug/L	322.454	87.9	11.5555	-
Li 610.365	0.103456	ug/L	0.050236	48.6	16.3252	-
Mg 279.078	1.63564	ug/L	1.32954	81.3	21.7046	-
Mn 257.610	0.126612	ug/L	0.082066	64.8	82.6347	-
Mo 202.032	2.65221	ug/L	0.694816	26.2	30.7859	-
Na 330.237	17.3153uv	ug/L	46.9742	271.3	12.3715	-
Ni 216.555	0.032186uv	ug/L	0.191486	594.9	4.02228	-
Pb 220.353	-0.314157uv	ug/L	0.055275	17.6	6.17477	-
Sb 217.582	1.77634	ug/L	0.430456	24.2	3.72807	-
Se 196.026	9.34060	ug/L	6.02461	64.5	6.70297	-
Si 251.611	-0.080496uv	ug/L	0.638827	793.6	43.4823	-
Si 288.158	-0.049154uv	ug/L	0.890149	1810.9	377.567	-
Sn 283.998	-0.670360uv	ug/L	0.870602	129.9	9.91504	-
Sr 421.552	0.158632	ug/L	0.112468	70.9	408.198	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.049822	ug/L	0.028712	57.6	57.1372	-
Tl 190.794	4.47142	ug/L	1.59502	35.7	5.21312	-
V 292.401	0.382525	ug/L	0.147749	38.6	27.1814	-
Zn 202.548	0.234868	ug/L	0.045477	19.4	44.0571	-
Zr 339.198	0.338363	ug/L	0.008174	2.4	22.6038	-

IPC (ICV) **9/18/2009, 10:20:20 AM** **Rack 0, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.177	ug/L	1.94351	0.2	8513.08	99.71773
Al 237.312	4982.32	ug/L	1.74187	0.0	22388.8	99.64633
As 188.980	997.694	ug/L	0.348029	0.0	1076.01	99.76940
B 249.678	993.266	ug/L	0.228437	0.0	29149.3	99.32655
Ba 493.408	997.523	ug/L	1.93414	0.2	2501405	99.75232
Be 313.042	993.450	ug/L	1.07503	0.1	3361539	99.34496
Ca 373.690	19907.8	ug/L	17.8613	0.1	99087.5	99.53909
Cd 214.439	994.860	ug/L	0.657691	0.1	38629.1	99.48604
Co 228.615	994.987	ug/L	0.455839	0.0	8901.20	99.49865
Cr 267.716	995.350	ug/L	0.118901	0.0	47587.7	99.53496
Cu 327.395	997.631	ug/L	15.9801	1.6	67121.5	99.76315
Fe 273.955	4973.20	ug/L	2.11200	0.0	78232.7	99.46404
K 404.721	19885.7	ug/L	67.2331	0.3	280.623	99.42850
Li 610.365	4970.37	ug/L	8.55710	0.2	369904	99.40732
Mg 279.078	19881.8	ug/L	4.09487	0.0	89007.5	99.40908
Mn 257.610	996.004	ug/L	0.242809	0.0	292675	99.60043
Mo 202.032	1001.15	ug/L	2.91569	0.3	9108.39	100.11470
Na 330.237	19814.1	ug/L	29.3891	0.1	2759.59	99.07045
Ni 216.555	990.699	ug/L	5.40343	0.5	8408.19	99.06986
Pb 220.353	995.660	ug/L	2.25938	0.2	5019.66	99.56596
Sb 217.582	994.174	ug/L	2.17302	0.2	1926.31	99.41743
Se 196.026	997.112	ug/L	4.20768	0.4	544.819	99.71117
Si 251.611	993.659	ug/L	5.00762	0.5	5310.35	99.36588
Si 288.158	994.399	ug/L	3.73920	0.4	12150.4	99.43986
Sn 283.998	995.823	ug/L	0.000305	0.0	4543.38	99.58232
Sr 421.552	996.051	ug/L	0.723766	0.1	2410534	99.60513
Ti 336.122	994.709	ug/L	0.110744	0.0	244656	99.47092
Tl 190.794	999.473	ug/L	0.887681	0.1	797.207	99.94730
V 292.401	994.974	ug/L	0.656655	0.1	38822.9	99.49744
Zn 202.548	995.263	ug/L	1.97355	0.2	23148.9	99.52631
Zr 339.198	1026.80	ug/L	2.33444	0.2	59739.7	102.67970

ICV (ICV) **9/18/2009, 10:23:13 AM** **Rack 0, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	982.743	ug/L	0.442589	0.0	8389.86	98.27425
Al 237.312	981.675	ug/L	0.137071	0.0	4464.07	98.16747
As 188.980	971.798	ug/L	1.42802	0.1	1048.12	97.17984
B 249.678	941.499	ug/L	6.16375	0.7	27630.9	94.14993
Ba 493.408	984.307	ug/L	0.123260	0.0	2468264	98.43065
Be 313.042	982.883	ug/L	1.48983	0.2	3325784	98.28825
Ca 373.690	9928.28	ug/L	7.36316	0.1	49782.2	99.28281

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	985.767	ug/L	0.637622	0.1	38276.0	98.57668
Co 228.615	988.434	ug/L	1.17961	0.1	8842.67	98.84339
Cr 267.716	974.367	ug/L	0.862132	0.1	46585.0	97.43667
Cu 327.395	972.542	ug/L	1.23623	0.1	65435.1	97.25423
Fe 273.955	953.014	ug/L	1.18409	0.1	15314.3	95.30137
K 404.721	8756.52	ug/L	289.678	3.3	127.802	87.56519Q
Li 610.365	9843.13	ug/L	15.7442	0.2	732537	98.43133
Mg 279.078	9759.91	ug/L	5.68793	0.1	44011.8	97.59914
Mn 257.610	984.377	ug/L	0.438403	0.0	289259	98.43774
Mo 202.032	966.245	ug/L	3.11323	0.3	8791.09	96.62453
Na 330.237	9092.44	ug/L	22.0198	0.2	1246.24	90.92439
Ni 216.555	986.742	ug/L	8.83262	0.9	8374.62	98.67419
Pb 220.353	986.502	ug/L	2.22507	0.2	4973.56	98.65015
Sb 217.582	935.529	ug/L	1.23726	0.1	1812.70	93.55290
Se 196.026	991.112	ug/L	5.97661	0.6	541.550	99.11118
Si 251.611	539.234	ug/L	13.6264	2.5	2901.88	107.84670
Si 288.158	535.220	ug/L	14.4661	2.7	6714.37	107.04400
Sn 283.998	974.355	ug/L	0.666797	0.1	4445.71	97.43553
Sr 421.552	981.689	ug/L	0.707970	0.1	2375776	98.16890
Ti 336.122	949.667	ug/L	1.25086	0.1	233580	94.96672
Tl 190.794	979.169	ug/L	0.163268	0.0	781.045	97.91685
V 292.401	983.905	ug/L	0.451221	0.0	38391.1	98.39054
Zn 202.548	985.477	ug/L	1.33256	0.1	22921.7	98.54775
Zr 339.198	1031.15	ug/L	4.24005	0.4	59992.9	103.11490

ICB (ICB) **9/18/2009, 10:26:07 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.117434	ug/L	0.151778	129.2	1.94983	0.11743
Al 237.312	0.566188	ug/L	0.132574	23.4	5.57660	0.56619
As 188.980	0.984330	ug/L	1.27551	129.6	2.61359	0.98433
B 249.678	30.6942	ug/L	4.61476	15.0	916.414	30.69417
Ba 493.408	0.033869	ug/L	0.021737	64.2	209.971	0.03387
Be 313.042	-0.014355uv	ug/L	0.011141	77.6	85.8318	-0.01435
Ca 373.690	-0.098839uv	ug/L	0.027463	27.8	20.9249	-0.09884
Cd 214.439	0.072478	ug/L	0.036785	50.8	4.70273	0.07248
Co 228.615	0.154382	ug/L	0.056581	36.7	14.2243	0.15438
Cr 267.716	0.046366	ug/L	0.039412	85.0	25.7914	0.04637
Cu 327.395	0.057977uv	ug/L	0.188475	325.1	68.5764	0.05798
Fe 273.955	0.219177	ug/L	0.233798	106.7	25.2943	0.21918
K 404.721	-55.6809uv	ug/L	190.842	342.7	15.3923	-55.68086
Li 610.365	-0.094034uv	ug/L	0.012823	13.6	1.62793	-0.09403
Mg 279.078	-0.867684uv	ug/L	0.954374	110.0	10.3427	-0.86768
Mn 257.610	-0.003619uv	ug/L	0.012526	346.1	44.3725	-0.00362
Mo 202.032	11.6294	ug/L	2.42031	20.8	112.400	11.62936
Na 330.237	15.6157	ug/L	3.43372	22.0	12.1442	15.61571
Ni 216.555	-0.021642uv	ug/L	0.036757	169.8	3.56564	-0.02164
Pb 220.353	-0.198847uv	ug/L	0.278571	140.1	6.75522	-0.19885
Sb 217.582	4.59459	ug/L	0.070553	1.5	9.18790	4.59459
Se 196.026	5.54038	ug/L	0.907834	16.4	4.63269	5.54038
Si 251.611	0.024212uv	ug/L	0.127813	527.9	44.0372	0.02421
Si 288.158	-0.240737uv	ug/L	0.222570	92.5	375.299	-0.24074
Sn 283.998	0.255361uv	ug/L	0.511915	200.5	14.1265	0.25536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.032807	ug/L	0.018916	57.7	103.684	0.03281
Ti 336.122	0.317791	ug/L	0.155817	49.0	123.034	0.31779
Tl 190.794	1.38523	ug/L	0.151710	11.0	2.75659	1.38523
V 292.401	0.116795	ug/L	0.031781	27.2	16.8162	0.11680
Zn 202.548	0.085286	ug/L	0.035490	41.6	40.5837	0.08529
Zr 339.198	0.150859	ug/L	0.064790	42.9	11.6952	0.15086

CRI-RL (CRI) **9/18/2009, 10:29:00 AM** **Rack 0, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	4.75378	ug/L	0.225574	4.7	41.5267	95.07561
Al 237.312	103.936	ug/L	0.128860	0.1	476.486	103.93560
As 188.980	10.5514	ug/L	0.553682	5.2	12.9168	105.51450
B 249.678	24.1904	ug/L	0.812344	3.4	725.653	241.90401R
Ba 493.408	11.2071	ug/L	0.025559	0.2	28226.8	112.07130
Be 313.042	0.987133	ug/L	0.001802	0.2	3474.44	98.71333
Ca 373.690	415.340	ug/L	0.264086	0.1	2117.29	103.83510
Cd 214.439	1.04936	ug/L	0.073723	7.0	42.6318	104.93590
Co 228.615	10.7627	ug/L	0.017518	0.2	108.990	107.62680
Cr 267.716	5.24006	ug/L	0.063053	1.2	273.979	104.80110
Cu 327.395	10.8260	ug/L	0.225811	2.1	792.364	108.26050
Fe 273.955	103.883	ug/L	0.055761	0.1	1695.74	103.88320
K 404.721	3211.20	ug/L	159.261	5.0	56.1786	80.27995
Li 610.365	82.6266	ug/L	0.153455	0.2	6157.71	-R
Mg 279.078	421.841	ug/L	0.766363	0.2	1928.34	105.46030
Mn 257.610	10.6383	ug/L	0.015229	0.1	3170.99	106.38270
Mo 202.032	12.9057	ug/L	0.784480	6.1	124.003	129.05690
Na 330.237	1980.41	ug/L	73.9329	3.7	275.620	99.02049
Ni 216.555	10.3949	ug/L	0.145386	1.4	91.9330	103.94930
Pb 220.353	5.22588	ug/L	0.589388	11.3	34.0620	104.51770
Sb 217.582	11.9232	ug/L	0.861592	7.2	23.3857	119.23220
Se 196.026	13.9640	ug/L	0.115406	0.8	9.22167	139.63950R
Si 251.611	95.3342	ug/L	0.442292	0.5	549.185	95.33421
Si 288.158	97.9044	ug/L	0.331904	0.3	1537.19	97.90437
Sn 283.998	31.5332	ug/L	0.806777	2.6	156.422	63.06641R
Sr 421.552	22.0314	ug/L	0.042852	0.2	53341.7	110.15700
Ti 336.122	10.2613	ug/L	0.000784	0.0	2568.27	102.61310
Tl 190.794	11.2203	ug/L	0.051320	0.5	10.5850	112.20310
V 292.401	10.2649	ug/L	0.201258	2.0	412.661	102.64940
Zn 202.548	51.6119	ug/L	0.052416	0.1	1237.05	103.22380
Zr 339.198	9.57898	ug/L	0.207981	2.2	560.203	-R

CRI2-MCP (CRI) **9/18/2009, 10:31:55 AM** **Rack 0, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.57469	ug/L	0.102068	1.3	65.6067	108.20990
Al 237.312	5.36179	ug/L	0.638416	11.9	27.4295	-
As 188.980	49.4338	ug/L	0.594088	1.2	54.7907	98.86771
B 249.678	10.5154	ug/L	0.396859	3.8	324.555	-
Ba 493.408	2200.21	ug/L	1.61775	0.1	5517142	110.01070
Be 313.042	4.17976	ug/L	0.000070	0.0	14276.9	104.49410

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	17.6966	ug/L	0.174361	1.0	110.748	-
Cd 214.439	5.25000	ug/L	0.029558	0.6	205.729	105.00000
Co 228.615	0.281274	ug/L	0.028700	10.2	15.3579	-
Cr 267.716	107.996	ug/L	0.071373	0.1	5184.32	107.99630
Cu 327.395	0.160181	ug/L	0.207170	129.3	75.4462	-
Fe 273.955	1.00480	ug/L	0.126829	12.6	37.9603	-
K 404.721	-236.623uv	ug/L	186.856	79.0	13.1611	-
Li 610.365	-0.086778uv	ug/L	0.012063	13.9	2.16797	-
Mg 279.078	0.474421uv	ug/L	1.02181	215.4	16.4341	-
Mn 257.610	0.003095	ug/L	0.001014	32.8	46.3450	-
Mo 202.032	1.68688	ug/L	0.454784	27.0	22.0098	-
Na 330.237	60.5448	ug/L	32.4149	53.5	18.1466	-
Ni 216.555	110.742	ug/L	0.512630	0.5	943.215	110.74240
Pb 220.353	16.8615	ug/L	0.258167	1.5	92.6329	112.41010
Sb 217.582	8.35764	ug/L	0.201589	2.4	16.4781	139.29401R
Se 196.026	50.7909	ug/L	0.614899	1.2	29.2842	101.58180
Si 251.611	-0.898394uv	ug/L	0.351591	39.1	39.1474	-
Si 288.158	-0.572842uv	ug/L	0.759214	132.5	371.367	-
Sn 283.998	44.9930	ug/L	0.592039	1.3	217.656	-
Sr 421.552	0.015012	ug/L	0.000291	1.9	60.6172	-
Ti 336.122	0.003177uv	ug/L	0.066680	2098.9	45.6665	-
Tl 190.794	3.39796	ug/L	2.34716	69.1	4.35867	169.89799R
V 292.401	52.5313	ug/L	0.285795	0.5	2061.33	105.06260
Zn 202.548	953.042	ug/L	4.41251	0.5	22168.6	105.89350
Zr 339.198	0.040065	ug/L	0.002209	5.5	5.24945	-

Interf Check A (ICSA) **9/18/2009, 10:34:49 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.613567	ug/L	0.016705	2.7	6.18494	0.61357
Al 237.312	114339	ug/L	214.949	0.2	4557444	338.50000K
As 188.980	2.38920	ug/L	2.49117	104.3	4.12656	2.38920
B 249.678	7.93110	ug/L	0.003479	0.0	248.757	7.93110
Ba 493.408	0.393480	ug/L	0.041579	10.6	1111.69	0.39348
Be 313.042	0.004881	ug/L	0.001022	20.9	150.919	0.00488
Ca 373.690	105625	ug/L	347.841	0.3	4932845	625.00000K
Cd 214.439	0.484919	ug/L	0.069127	14.3	20.7165	0.48492
Co 228.615	1.62747	ug/L	0.477194	29.3	27.3837	1.62747
Cr 267.716	0.352685	ug/L	0.006683	1.9	40.4293	0.35269
Cu 327.395	0.575486	ug/L	0.005034	0.9	103.361	0.57549
Fe 273.955	44101.1	ug/L	94.8518	0.2	5852624	101.07813K
K 404.721	1420.78	ug/L	388.318	27.3	33.6997	1420.78296
Li 610.365	1.40675	ug/L	0.010652	0.8	113.316	1.40675
Mg 279.078	110443	ug/L	219.314	0.2	4632180	442.50000K
Mn 257.610	3.24705	ug/L	0.026190	0.8	999.429	3.24705
Mo 202.032	1.16118	ug/L	0.337831	29.1	17.2305	1.16118
Na 330.237	127.132	ug/L	37.3281	29.4	27.0443	127.13190
Ni 216.555	5.48118	ug/L	0.437106	8.0	50.2480	5.48118
Pb 220.353	-1.75360uv	ug/L	0.231595	13.2	-1.07105	-1.75360
Sb 217.582	0.901660	ug/L	0.692540	76.8	2.03354	0.90166
Se 196.026	0.897855uv	ug/L	4.94258	550.5	2.10355	0.89786
Si 251.611	-2.83923uv	ug/L	0.181166	6.4	28.8608	-2.83923
Si 288.158	-2.25866uv	ug/L	0.320709	14.2	351.409	-2.25866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	-0.322696uv	ug/L	1.20081	372.1	11.4967	-0.32270
Sr 421.552	0.609806	ug/L	0.000188	0.0	1500.06	0.60981
Ti 336.122	1.67078	ug/L	0.039737	2.4	455.750	1.67078
Tl 190.794	1.65482	ug/L	0.789484	47.7	2.97118	1.65482
V 292.401	1.42100	ug/L	0.067413	4.7	67.6890	1.42100
Zn 202.548	-0.888062uv	ug/L	0.834755	94.0	17.9822	-0.88806
Zr 339.198	0.593442	ug/L	0.023623	4.0	37.4437	0.59344

Interf Check AB (ICSAB) **9/18/2009, 10:37:44 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	611.575	ug/L	1.74360	0.3	5221.48	101.92910
Al 237.312	111100	ug/L	456.741	0.4	443062	111.09990
As 188.980	1980.83	ug/L	3.94269	0.2	2134.78	99.04131
B 249.678	7.26992	ug/L	0.019912	0.3	229.364	-
Ba 493.408	590.670	ug/L	3.41750	0.6	1481224	98.44497
Be 313.042	192.495	ug/L	0.491962	0.3	651453	96.24726
Ca 373.690	102172	ug/L	424.839	0.4	478331	102.17200
Cd 214.439	572.682	ug/L	0.487905	0.1	22237.3	95.44708
Co 228.615	575.290	ug/L	1.43674	0.2	5151.99	95.88163
Cr 267.716	573.266	ug/L	1.18224	0.2	27417.8	95.54435
Cu 327.395	607.613	ug/L	4.65873	0.8	40906.1	101.26890
Fe 273.955	43025.9	ug/L	140.612	0.3	572207	107.56470
K 404.721	43209.1	ug/L	393.707	0.9	640.217	108.02270
Li 610.365	1.50944	ug/L	0.016999	1.1	120.959	-
Mg 279.078	106291	ug/L	226.666	0.2	446990	106.29100
Mn 257.610	385.500	ug/L	0.921280	0.2	113307	96.37494
Mo 202.032	0.522191	ug/L	0.102293	19.6	11.4213	-
Na 330.237	-84.3675uv	ug/L	14.9221	17.7	-1.21118	-
Ni 216.555	577.946	ug/L	0.369997	0.1	4906.67	96.32438
Pb 220.353	1875.81	ug/L	1.51840	0.1	9450.13	93.79054
Sb 217.582	946.592	ug/L	2.07661	0.2	1834.13	94.65923
Se 196.026	973.285	ug/L	4.46542	0.5	531.839	97.32853
Si 251.611	-3.20769uv	ug/L	1.76052	54.9	26.9080	-
Si 288.158	-1.05177uv	ug/L	1.16765	111.0	365.697	-
Sn 283.998	238.246	ug/L	0.572161	0.2	1096.84	-
Sr 421.552	0.627090	ug/L	0.002206	0.4	1541.89	-
Ti 336.122	1.54331	ug/L	0.048930	3.2	424.403	-
Tl 190.794	1868.86	ug/L	6.93348	0.4	1489.21	93.44278
V 292.401	588.073	ug/L	2.09741	0.4	22951.0	98.01218
Zn 202.548	557.185	ug/L	0.226236	0.0	12976.6	92.86420
Zr 339.198	1.63748	ug/L	0.077860	4.8	98.1837	-

RB (ICSAB) **9/18/2009, 10:40:38 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.428643	ug/L	0.238790	55.7	4.60638	-
Al 237.312	1.23913	ug/L	0.731671	59.0	8.64313	-
As 188.980	1.42227	ug/L	1.31622	92.5	3.08522	-
B 249.678	5.00394	ug/L	0.222138	4.4	162.902	-
Ba 493.408	0.006136uv	ug/L	0.013334	217.3	140.431	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	-0.050602uv	ug/L	0.000039	0.1	-36.8127	-
Ca 373.690	0.923432uv	ug/L	1.61367	174.7	26.0850	-
Cd 214.439	0.057636	ug/L	0.051840	89.9	4.12643	-
Co 228.615	-0.121921uv	ug/L	0.072056	59.1	11.7561	-
Cr 267.716	0.042605	ug/L	0.010215	24.0	25.6118	-
Cu 327.395	0.101783	ug/L	0.098955	97.2	71.5209	-
Fe 273.955	4.32321	ug/L	1.56049	36.1	91.4593	-
K 404.721	-272.352uv	ug/L	218.428	80.2	12.7206	-
Li 610.365	-0.057344uv	ug/L	0.007033	12.3	4.35840	-
Mg 279.078	0.636789uv	ug/L	2.48596	390.4	17.1711	-
Mn 257.610	-0.019129uv	ug/L	0.006501	34.0	39.8157	-
Mo 202.032	0.491652	ug/L	0.182741	37.2	11.1436	-
Na 330.237	32.1204	ug/L	11.0603	34.4	14.3490	-
Ni 216.555	-0.015463uv	ug/L	0.395021	2554.6	3.61806	-
Pb 220.353	-0.064239uv	ug/L	0.123223	191.8	7.43280	-
Sb 217.582	3.04634	ug/L	0.480347	15.8	6.18845	-
Se 196.026	4.11600	ug/L	1.04799	25.5	3.85672	-
Si 251.611	-0.758890uv	ug/L	0.024421	3.2	39.8867	-
Si 288.158	-1.22680uv	ug/L	0.884732	72.1	363.625	-
Sn 283.998	-1.75913uv	ug/L	0.540735	30.7	4.96179	-
Sr 421.552	-0.001385uv	ug/L	0.001509	109.0	20.9363	-
Ti 336.122	-0.039059uv	ug/L	0.068143	174.5	35.2803	-
Tl 190.794	3.67429	ug/L	1.99700	54.4	4.57862	-
V 292.401	0.074469	ug/L	0.050763	68.2	15.1652	-
Zn 202.548	0.083818	ug/L	0.056479	67.4	40.5496	-
Zr 339.198	0.011587uv	ug/L	0.030132	260.0	3.59271	-

CCV (CCV) **9/18/2009, 10:43:32 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	998.811	ug/L	1.85167	0.2	8527.03	99.88112
Al 237.312	4978.92	ug/L	19.8132	0.4	22373.8	99.57840
As 188.980	997.505	ug/L	1.66522	0.2	1075.81	99.75052
B 249.678	989.473	ug/L	11.5058	1.2	29038.1	98.94731
Ba 493.408	999.341	ug/L	2.12779	0.2	2505964	99.93414
Be 313.042	995.263	ug/L	3.39700	0.3	3367675	99.52631
Ca 373.690	19902.0	ug/L	24.7183	0.1	99058.8	99.50990
Cd 214.439	993.914	ug/L	2.46508	0.2	38592.4	99.39137
Co 228.615	993.775	ug/L	1.53393	0.2	8890.38	99.37746
Cr 267.716	994.448	ug/L	2.39063	0.2	47544.6	99.44481
Cu 327.395	998.053	ug/L	0.058523	0.0	67149.9	99.80528
Fe 273.955	4968.46	ug/L	16.4195	0.3	78159.9	99.36915
K 404.721	19510.2	ug/L	28.2235	0.1	275.269	97.55080
Li 610.365	4954.70	ug/L	11.7139	0.2	368738	99.09393
Mg 279.078	19844.9	ug/L	57.9841	0.3	88844.8	99.22469
Mn 257.610	994.123	ug/L	2.76416	0.3	292122	99.41231
Mo 202.032	996.280	ug/L	5.34629	0.5	9064.14	99.62798
Na 330.237	19865.5	ug/L	31.9496	0.2	2767.00	99.32771
Ni 216.555	991.472	ug/L	1.63838	0.2	8414.74	99.14716
Pb 220.353	992.536	ug/L	3.70307	0.4	5003.94	99.25359
Sb 217.582	994.780	ug/L	4.04821	0.4	1927.48	99.47797
Se 196.026	1000.43	ug/L	0.583113	0.1	546.627	100.04300
Si 251.611	991.024	ug/L	3.41387	0.3	5296.39	99.10238

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	991.690	ug/L	6.03009	0.6	12118.3	99.16902
Sn 283.998	992.727	ug/L	3.44667	0.3	4529.29	99.27267
Sr 421.552	997.364	ug/L	2.69649	0.3	2413712	99.73643
Ti 336.122	991.289	ug/L	4.24199	0.4	243815	99.12886
Tl 190.794	999.701	ug/L	7.61642	0.8	797.388	99.97009
V 292.401	994.563	ug/L	3.13960	0.3	38806.8	99.45625
Zn 202.548	991.708	ug/L	2.69110	0.3	23066.4	99.17075
Zr 339.198	993.337	ug/L	5.85310	0.6	57793.1	99.33370

CCB (CCB) **9/18/2009, 10:46:26 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.091886uv	ug/L	0.388951	423.3	1.73175	0.09189
Al 237.312	0.345992uv	ug/L	0.758906	219.3	4.57318	0.34599
As 188.980	0.832502uv	ug/L	2.05868	247.3	2.45008	0.83250
B 249.678	18.2654	ug/L	2.81443	15.4	551.870	18.26543
Ba 493.408	0.002581	ug/L	0.002921	113.2	131.516	0.00258
Be 313.042	-0.001787uv	ug/L	0.000381	21.3	128.357	-0.00179
Ca 373.690	-0.937820uv	ug/L	0.453949	48.4	16.6901	-0.93782
Cd 214.439	0.048741	ug/L	0.023934	49.1	3.78108	0.04874
Co 228.615	-0.018372uv	ug/L	0.194045	1056.2	12.6811	-0.01837
Cr 267.716	0.032062uv	ug/L	0.057693	179.9	25.1079	0.03206
Cu 327.395	-0.153714uv	ug/L	0.085274	55.5	54.3474	-0.15371
Fe 273.955	1.57796	ug/L	0.490614	31.1	47.2008	1.57796
K 404.721	53.7927uv	ug/L	214.501	398.8	16.7430	53.79270
Li 610.365	0.974526	ug/L	0.145195	14.9	81.1504	0.97453
Mg 279.078	-0.416945uv	ug/L	0.266117	63.8	12.3885	-0.41695
Mn 257.610	-0.024560uv	ug/L	0.000588	2.4	38.2199	-0.02456
Mo 202.032	10.4374	ug/L	2.22021	21.3	101.564	10.43743
Na 330.237	-5.35528uv	ug/L	5.91276	110.4	9.34290	-5.35528
Ni 216.555	-0.102742uv	ug/L	0.347774	338.5	2.87764	-0.10274
Pb 220.353	-0.625368uv	ug/L	0.088722	14.2	4.60821	-0.62537
Sb 217.582	1.85418	ug/L	2.04663	110.4	3.87888	1.85418
Se 196.026	4.28854	ug/L	2.25187	52.5	3.95072	4.28854
Si 251.611	-0.388254uv	ug/L	0.285852	73.6	41.8511	-0.38825
Si 288.158	-1.41870uv	ug/L	0.547975	38.6	361.353	-1.41870
Sn 283.998	-0.411135uv	ug/L	0.562061	136.7	11.0944	-0.41113
Sr 421.552	0.015610	ug/L	0.003005	19.2	62.0649	0.01561
Ti 336.122	0.213909	ug/L	0.096186	45.0	97.4880	0.21391
Tl 190.794	0.857613uv	ug/L	1.33541	155.7	2.33662	0.85761
V 292.401	0.181625	ug/L	0.032454	17.9	19.3450	0.18163
Zn 202.548	0.020181	ug/L	0.028313	140.3	39.0720	0.02018
Zr 339.198	0.597125	ug/L	0.092915	15.6	37.6580	0.59713

ICB RR (Samp) **9/18/2009, 10:49:20 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.087182uv	ug/L	0.350020	401.5	1.69159
Al 237.312	0.508569uv	ug/L	1.16472	229.0	5.31403
As 188.980	-0.113119uv	ug/L	0.410619	363.0	1.43171
B 249.678	9.06139	ug/L	0.172694	1.9	281.909

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.003191uv	ug/L	0.002043	64.0	117.043
Be 313.042	0.011194	ug/L	0.001516	13.5	172.277
Ca 373.690	-0.342417uv	ug/L	0.358528	104.7	19.6954
Cd 214.439	0.001728uv	ug/L	0.052072	3013.4	1.95572
Co 228.615	0.145821	ug/L	0.109237	74.9	14.1479
Cr 267.716	-0.014668uv	ug/L	0.021679	147.8	22.8749
Cu 327.395	-0.156926uv	ug/L	0.023770	15.1	54.1315
Fe 273.955	0.324951	ug/L	0.105916	32.6	26.9996
K 404.721	-401.797uv	ug/L	93.2179	23.2	11.1245
Li 610.365	-0.057607uv	ug/L	0.075029	130.2	4.33887
Mg 279.078	-1.03173uv	ug/L	0.280476	27.2	9.59814
Mn 257.610	-0.035110uv	ug/L	0.014946	42.6	35.1204
Mo 202.032	2.82382	ug/L	1.02267	36.2	32.3460
Na 330.237	3.48335uv	ug/L	20.8473	598.5	10.5236
Ni 216.555	-0.147977uv	ug/L	0.283054	191.3	2.49390
Pb 220.353	-0.365556uv	ug/L	0.029228	8.0	5.91605
Sb 217.582	0.819818	ug/L	0.311762	38.0	1.87498
Se 196.026	2.42868	ug/L	0.241785	10.0	2.93751
Si 251.611	-1.17629uv	ug/L	0.462124	39.3	37.6745
Si 288.158	-0.689071uv	ug/L	0.135747	19.7	369.991
Sn 283.998	-0.506939uv	ug/L	0.913766	180.3	10.6585
Sr 421.552	0.002197	ug/L	0.000700	31.9	29.6033
Ti 336.122	0.071199	ug/L	0.046861	65.8	62.3940
Tl 190.794	1.41324uv	ug/L	2.09175	148.0	2.77888
V 292.401	0.171168	ug/L	0.018232	10.7	18.9371
Zn 202.548	0.098905	ug/L	0.031294	31.6	40.9000
Zr 339.198	0.334216	ug/L	0.054492	16.3	22.3626

ICVNa K Mg Ca 75ppm (Samp) 9/18/2009, 10:52:15 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.865903	ug/L	0.184106	21.3	8.33893
Al 237.312	3.44619	ug/L	0.400741	11.6	18.7004
As 188.980	0.674560	ug/L	0.914323	135.5	2.27999
B 249.678	6.91133	ug/L	0.197994	2.9	218.847
Ba 493.408	0.246314	ug/L	0.000437	0.2	742.675
Be 313.042	-0.010036uv	ug/L	0.000672	6.7	100.444
Ca 373.690	76470.0	ug/L	6.41920	0.0	365044
Cd 214.439	0.043165	ug/L	0.060760	140.8	3.56459
Co 228.615	0.513601	ug/L	0.114223	22.2	17.4333
Cr 267.716	0.161339	ug/L	0.107585	66.7	31.2856
Cu 327.395	0.381597	ug/L	0.003560	0.9	90.3289
Fe 273.955	3.66077	ug/L	0.314155	8.6	80.7798
K 404.721	76219.5	ug/L	130.643	0.2	1240.15
Li 610.365	1.22860	ug/L	0.000037	0.0	100.059
Mg 279.078	76985.2	ug/L	2.67928	0.0	330767
Mn 257.610	3.77327	ug/L	0.012062	0.3	1154.04
Mo 202.032	1.56598	ug/L	0.637200	40.7	20.9106
Na 330.237	76674.0	ug/L	27.2347	0.0	11792.0
Ni 216.555	0.849916	ug/L	0.230473	27.1	10.9594
Pb 220.353	0.151280uv	ug/L	0.885716	585.5	8.51767
Sb 217.582	3.22155	ug/L	0.415497	12.9	6.52789
Se 196.026	1.26767	ug/L	1.33641	105.4	2.30502

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.96139	ug/L	1.34109	45.3	59.6044
Si 288.158	1.07145	ug/L	0.472001	44.1	390.833
Sn 283.998	-0.523803uv	ug/L	0.163700	31.3	10.5818
Sr 421.552	0.496867	ug/L	0.003577	0.7	1226.74
Ti 336.122	1.32699	ug/L	0.086597	6.5	371.207
Tl 190.794	1.14529uv	ug/L	1.80722	157.8	2.56560
V 292.401	1.25388	ug/L	0.013968	1.1	61.1699
Zn 202.548	0.139216uv	ug/L	0.697114	500.7	41.8360
Zr 339.198	0.536936	ug/L	0.061285	11.4	34.1564

ICV Sb 1ppm (Samp) **9/18/2009, 10:55:09 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.498057	ug/L	0.447235	89.8	5.19891
Al 237.312	1.71956	ug/L	0.336296	19.6	10.8324
As 188.980	0.185921uv	ug/L	0.303934	163.5	1.75376
B 249.678	4.89878	ug/L	0.135840	2.8	159.817
Ba 493.408	0.006601	ug/L	0.008984	136.1	141.596
Be 313.042	-0.053016uv	ug/L	0.000023	0.0	-44.9800
Ca 373.690	5.64237	ug/L	1.50608	26.7	49.9043
Cd 214.439	0.011562	ug/L	0.013798	119.3	2.33755
Co 228.615	0.101769	ug/L	0.049170	48.3	13.7543
Cr 267.716	0.113953	ug/L	0.079201	69.5	29.0212
Cu 327.395	0.044187uv	ug/L	0.115079	260.4	67.6495
Fe 273.955	1.07402	ug/L	0.126502	11.8	39.0762
K 404.721	-51.8470uv	ug/L	35.2822	68.1	15.4395
Li 610.365	-0.031822uv	ug/L	0.033738	106.0	6.25781
Mg 279.078	4.01785	ug/L	1.47964	36.8	32.5167
Mn 257.610	0.301614	ug/L	0.015497	5.1	134.051
Mo 202.032	0.783836	ug/L	0.770362	98.3	13.8000
Na 330.237	-43.5340uv	ug/L	19.7144	45.3	4.24316
Ni 216.555	-0.108710uv	ug/L	0.107546	98.9	2.82701
Pb 220.353	-0.598602uv	ug/L	0.547325	91.4	4.74295
Sb 217.582	1007.60	ug/L	2.64600	0.3	1952.33
Se 196.026	1.58569	ug/L	0.669306	42.2	2.47826
Si 251.611	1.32811	ug/L	0.124441	9.4	50.9479
Si 288.158	1.50919	ug/L	0.096936	6.4	396.015
Sn 283.998	0.011095uv	ug/L	0.337343	3040.5	13.0153
Sr 421.552	0.008481	ug/L	0.001015	12.0	44.8108
Ti 336.122	-0.045725uv	ug/L	0.008479	18.5	33.6409
Tl 190.794	1.19404	ug/L	0.898787	75.3	2.60441
V 292.401	0.115035	ug/L	0.063729	55.4	16.7475
Zn 202.548	-0.692869uv	ug/L	0.036730	5.3	22.5147
Zr 339.198	17.0097	ug/L	1.71163	10.1	992.507

CRI RL B Se (Samp) **9/18/2009, 11:06:27 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.78604	ug/L	0.688180	14.4	41.8021
Al 237.312	104.138	ug/L	0.485596	0.5	477.406
As 188.980	10.3018	ug/L	0.494437	4.8	12.6479

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.8170	ug/L	0.054328	0.5	362.732
Ba 493.408	11.2573	ug/L	0.008034	0.1	28352.5
Be 313.042	1.00300	ug/L	0.000445	0.0	3528.10
Ca 373.690	416.475	ug/L	0.398481	0.1	2123.01
Cd 214.439	0.995616	ug/L	0.017641	1.8	40.5452
Co 228.615	10.5921	ug/L	0.006307	0.1	107.466
Cr 267.716	5.12955	ug/L	0.110915	2.2	268.698
Cu 327.395	11.0431	ug/L	0.050766	0.5	806.953
Fe 273.955	103.485	ug/L	0.214432	0.2	1689.33
K 404.721	3644.80	ug/L	714.013	19.6	61.6823
Li 610.365	82.7574	ug/L	0.155052	0.2	6167.45
Mg 279.078	421.438	ug/L	0.446387	0.1	1926.51
Mn 257.610	10.6275	ug/L	0.004456	0.0	3167.84
Mo 202.032	9.85770	ug/L	0.113561	1.2	96.2931
Na 330.237	1936.57	ug/L	18.0971	0.9	269.719
Ni 216.555	10.2762	ug/L	0.202962	2.0	90.9255
Pb 220.353	4.69815	ug/L	0.099996	2.1	31.4055
Sb 217.582	10.4551	ug/L	1.29304	12.4	20.5415
Se 196.026	11.2075	ug/L	3.12540	27.9	7.72001
Si 251.611	95.8424	ug/L	1.19454	1.2	551.879
Si 288.158	97.5765	ug/L	0.571250	0.6	1533.31
Sn 283.998	31.4440	ug/L	0.184058	0.6	156.016
Sr 421.552	22.1162	ug/L	0.003105	0.0	53546.9
Ti 336.122	10.2242	ug/L	0.014534	0.1	2559.13
Tl 190.794	10.7188	ug/L	0.800396	7.5	10.1858
V 292.401	10.3813	ug/L	0.093259	0.9	417.202
Zn 202.548	51.3716	ug/L	0.158170	0.3	1231.47
Zr 339.198	11.7483	ug/L	0.255540	2.2	686.408

CRI-MCP Sb Tl (Samp) **9/18/2009, 11:09:21 AM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.62597	ug/L	0.687593	9.0	66.0444
Al 237.312	5.15881	ug/L	0.710169	13.8	26.5046
As 188.980	48.3731	ug/L	1.06938	2.2	53.6483
B 249.678	2.12436	ug/L	0.177200	8.3	78.4415
Ba 493.408	2204.72	ug/L	2.15447	0.1	5528438
Be 313.042	4.16172	ug/L	0.008639	0.2	14215.9
Ca 373.690	18.1692	ug/L	0.178842	1.0	113.134
Cd 214.439	5.23365	ug/L	0.019042	0.4	205.094
Co 228.615	0.152225	ug/L	0.041660	27.4	14.2051
Cr 267.716	107.482	ug/L	0.054326	0.1	5159.74
Cu 327.395	0.187645	ug/L	0.080702	43.0	77.2922
Fe 273.955	0.774454	ug/L	0.074751	9.7	34.2466
K 404.721	-169.991uv	ug/L	515.742	303.4	13.9836
Li 610.365	-0.004278uv	ug/L	0.009520	222.5	8.30762
Mg 279.078	0.226863uv	ug/L	1.11087	489.7	15.3105
Mn 257.610	0.023665	ug/L	0.008702	36.8	52.3887
Mo 202.032	0.225392	ug/L	0.147836	65.6	8.72298
Na 330.237	72.0429	ug/L	3.28049	4.6	19.6827
Ni 216.555	110.407	ug/L	0.413624	0.4	940.373
Pb 220.353	16.2317	ug/L	0.271909	1.7	89.4625
Sb 217.582	8.00525	ug/L	0.703912	8.8	15.7954

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	48.3551	ug/L	1.15653	2.4	27.9572
Si 251.611	-1.46545uv	ug/L	0.340101	23.2	36.1420
Si 288.158	-1.07496uv	ug/L	0.071118	6.6	365.423
Sn 283.998	46.9379	ug/L	0.128240	0.3	226.505
Sr 421.552	0.019343	ug/L	0.004157	21.5	71.0979
Ti 336.122	-0.025465uv	ug/L	0.016702	65.6	38.6231
Tl 190.794	2.10409	ug/L	0.126925	6.0	3.32878
V 292.401	52.5581	ug/L	0.256164	0.5	2062.38
Zn 202.548	938.547	ug/L	0.899420	0.1	21832.0
Zr 339.198	0.068211	ug/L	0.051092	74.9	6.88696

CRI-MCP Sb (Samp) **9/18/2009, 11:29:25 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	8.01582	ug/L	0.185279	2.3	69.3723
Al 237.312	1.18023	ug/L	0.531701	45.1	8.37476
As 188.980	49.6055	ug/L	0.012419	0.0	54.9756
B 249.678	0.567298	ug/L	0.249159	43.9	32.7718
Ba 493.408	2214.88	ug/L	2.01118	0.1	5553914
Be 313.042	4.18973	ug/L	0.000259	0.0	14310.6
Ca 373.690	19.6331	ug/L	0.310210	1.6	120.523
Cd 214.439	5.23986	ug/L	0.080290	1.5	205.335
Co 228.615	0.177095	ug/L	0.229466	129.6	14.4272
Cr 267.716	108.083	ug/L	0.076358	0.1	5188.45
Cu 327.395	0.076706	ug/L	0.039822	51.9	69.8353
Fe 273.955	0.613131	ug/L	0.173343	28.3	31.6457
K 404.721	-327.793uv	ug/L	56.2976	17.2	12.0370
Li 610.365	-0.011941uv	ug/L	0.063746	533.8	7.73731
Mg 279.078	0.454276	ug/L	0.538948	118.6	16.3427
Mn 257.610	0.317441	ug/L	0.013279	4.2	138.701
Mo 202.032	-0.156872uv	ug/L	0.068807	43.9	5.24770
Na 330.237	36.8553uv	ug/L	63.3665	171.9	14.9821
Ni 216.555	110.714	ug/L	0.263962	0.2	942.975
Pb 220.353	16.1076	ug/L	0.098590	0.6	88.8378
Sb 217.582	7.73717	ug/L	0.571584	7.4	15.2760
Se 196.026	48.8510	ug/L	2.10921	4.3	28.2274
Si 251.611	-0.960091uv	ug/L	0.263654	27.5	38.8204
Si 288.158	-1.51172uv	ug/L	0.078562	5.2	360.252
Sn 283.998	46.3167	ug/L	1.39845	3.0	223.678
Sr 421.552	0.012566	ug/L	0.001813	14.4	54.6982
Ti 336.122	-0.038738uv	ug/L	0.060975	157.4	35.3591
Tl 190.794	3.07291	ug/L	0.952601	31.0	4.09994
V 292.401	52.6661	ug/L	0.024301	0.0	2066.59
Zn 202.548	951.867	ug/L	4.86714	0.5	22141.3
Zr 339.198	0.035673	ug/L	0.039927	111.9	4.99396

360-24173-a-2-c@2 (Samp) **9/18/2009, 11:38:20 AM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.424446	ug/L	0.371670	87.6	4.57056
Al 237.312	111093	ug/L	177.688	0.2	443035

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19.3500	ug/L	0.245629	1.3	22.3923
B 249.678	4.17838	ug/L	0.170010	4.1	138.687
Ba 493.408	688.528	ug/L	1.79293	0.3	1726604
Be 313.042	1.95424	ug/L	0.007552	0.4	6746.71
Ca 373.690	25586.5	ug/L	48.9547	0.2	126825
Cd 214.439	2.46830	ug/L	0.015116	0.6	97.7246
Co 228.615	110.122	ug/L	0.059348	0.1	996.581
Cr 267.716	268.350	ug/L	0.401653	0.1	12847.0
Cu 327.395	246.110	ug/L	0.037634	0.0	16607.3
Fe 273.955	187036	ug/L	801.273	0.4	2320828
K 404.721	38448.1	ug/L	149.302	0.4	562.487
Li 610.365	73.7610	ug/L	0.137012	0.2	5497.93
Mg 279.078	75367.9	ug/L	160.624	0.2	324202
Mn 257.610	1279.75	ug/L	2.71561	0.2	376039
Mo 202.032	6.64781	ug/L	0.410597	6.2	67.1111
Na 330.237	1688.48	ug/L	70.8741	4.2	236.344
Ni 216.555	196.355	ug/L	0.421118	0.2	1669.49
Pb 220.353	6.94489	ug/L	0.684000	9.8	42.7150
Sb 217.582	1.45128	ug/L	1.58820	109.4	3.09833
Se 196.026	-1.18762uv	ug/L	1.19201	100.4	0.967422
Si 251.611	1535.26	ug/L	7.60545	0.5	8180.88
Si 288.158	1579.68	ug/L	4.39792	0.3	19079.2
Sn 283.998	88.3422	ug/L	0.046179	0.1	414.870
Sr 421.552	58.5287	ug/L	0.116109	0.2	141668
Ti 336.122	8247.54	ug/L	15.9796	0.2	2028216
Tl 190.794	0.123431uv	ug/L	0.684987	555.0	1.75224
V 292.401	262.260	ug/L	0.481885	0.2	10242.1
Zn 202.548	165.580	ug/L	1.55890	0.9	3883.42
Zr 339.198	17.9549	ug/L	1.20480	6.7	1047.50

360-24176-a-5-d@5 (Samp) **9/18/2009, 11:41:13 AM** **Rack 1, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.496563	ug/L	0.533722	107.5	5.18616
Al 237.312	59193.2	ug/L	10.4657	0.0	239806
As 188.980	7.06235	ug/L	0.628527	8.9	9.15925
B 249.678	2.89402	ug/L	0.144672	5.0	101.016
Ba 493.408	108.881	ug/L	0.087892	0.1	273144
Be 313.042	1.48260	ug/L	0.001564	0.1	5150.89
Ca 373.690	17879.8	ug/L	18.1762	0.1	89125.4
Cd 214.439	1.62371	ug/L	0.035650	2.2	64.9320
Co 228.615	69.1183	ug/L	0.026386	0.0	630.289
Cr 267.716	123.037	ug/L	0.024093	0.0	5903.07
Cu 327.395	123.756	ug/L	0.609137	0.5	8383.07
Fe 273.955	118241	ug/L	30.4277	0.0	1485497
K 404.721	2437.18	ug/L	119.359	4.9	46.4207
Li 610.365	42.1682	ug/L	0.223247	0.5	3146.79
Mg 279.078	46168.0	ug/L	58.8639	0.1	202846
Mn 257.610	1455.28	ug/L	0.021838	0.0	427613
Mo 202.032	0.310918	ug/L	0.177105	57.0	9.50052
Na 330.237	733.102	ug/L	36.7434	5.0	108.123
Ni 216.555	122.331	ug/L	1.09453	0.9	1041.53
Pb 220.353	1.82152	ug/L	0.294201	16.2	16.9252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	0.442521	ug/L	0.113660	25.7	1.14404
Se 196.026	0.581533uv	ug/L	1.64530	282.9	1.93122
Si 251.611	520.405	ug/L	1.21668	0.2	2802.08
Si 288.158	533.822	ug/L	6.23867	1.2	6697.82
Sn 283.998	36.8026	ug/L	0.643303	1.7	180.395
Sr 421.552	68.2478	ug/L	0.001154	0.0	165189
Ti 336.122	4235.47	ug/L	4.54233	0.1	1041599
Tl 190.794	-1.12085uv	ug/L	0.076479	6.8	0.761826
V 292.401	224.719	ug/L	0.168620	0.1	8777.79
Zn 202.548	123.252	ug/L	0.631369	0.5	2900.56
Zr 339.198	6.83619	ug/L	0.252384	3.7	400.633

360-24223-a-2-d@2 (Samp) **9/18/2009, 11:44:06 AM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.03698	ug/L	0.058851	5.7	9.79932
Al 237.312	142415	ug/L	1250.33	0.9	565684
As 188.980	17.0104	ug/L	1.62352	9.5	19.8727
B 249.678	5.20397	ug/L	0.259886	5.0	168.769
Ba 493.408	1613.64	ug/L	10.6616	0.7	4046321
Be 313.042	2.28761	ug/L	0.015705	0.7	7874.67
Ca 373.690	35956.9	ug/L	311.848	0.9	176882
Cd 214.439	3.77593	ug/L	0.100408	2.7	148.496
Co 228.615	203.775	ug/L	1.16674	0.6	1833.19
Cr 267.716	88.2655	ug/L	0.893961	1.0	4241.46
Cu 327.395	205.396	ug/L	1.74149	0.8	13870.6
Fe 273.955	257123	ug/L	1210.29	0.5	3171843
K 404.721	76690.5	ug/L	457.824	0.6	1249.49
Li 610.365	73.2626	ug/L	0.366404	0.5	5460.85
Mg 279.078	99784.2	ug/L	683.231	0.7	421554
Mn 257.610	2467.50	ug/L	16.0711	0.7	725005
Mo 202.032	3.18192	ug/L	0.033017	1.0	35.6017
Na 330.237	3683.52	ug/L	105.139	2.9	505.642
Ni 216.555	181.083	ug/L	1.10999	0.6	1539.94
Pb 220.353	-1.30912uv	ug/L	0.208206	15.9	1.16638
Sb 217.582	3.62961	ug/L	2.13164	58.7	7.31842
Se 196.026	0.502002uv	ug/L	3.39604	676.5	1.88789
Si 251.611	1832.43	ug/L	40.1388	2.2	9755.90
Si 288.158	1855.70	ug/L	25.9681	1.4	22347.0
Sn 283.998	13.4213	ug/L	1.63317	12.2	74.0240
Sr 421.552	109.442	ug/L	0.710495	0.6	264881
Ti 336.122	13229.7	ug/L	79.9569	0.6	3253400
Tl 190.794	1.55207uv	ug/L	2.62714	169.3	2.88939
V 292.401	515.842	ug/L	3.29393	0.6	20133.5
Zn 202.548	162.517	ug/L	0.259447	0.2	3812.30
Zr 339.198	23.8441	ug/L	1.08922	4.6	1390.11

360-24223-a-14-d@2 (Samp) **9/18/2009, 11:47:01 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	22.2892	ug/L	0.210993	0.9	191.213
Al 237.312	112771	ug/L	255.592	0.2	449605
As 188.980	21.6737	ug/L	2.05836	9.5	24.8948
B 249.678	4.08868	ug/L	0.215678	5.3	136.056
Ba 493.408	747.311	ug/L	0.874734	0.1	1874001
Be 313.042	1.77533	ug/L	0.002837	0.2	6141.36
Ca 373.690	33992.0	ug/L	76.5968	0.2	167457
Cd 214.439	2.91566	ug/L	0.045813	1.6	115.094
Co 228.615	115.105	ug/L	0.274261	0.2	1041.09
Cr 267.716	1599.06	ug/L	3.70886	0.2	76436.7
Cu 327.395	306.173	ug/L	0.684406	0.2	20644.4
Fe 273.955	196251	ug/L	98.1111	0.0	2432718
K 404.721	30251.3	ug/L	268.275	0.9	433.864
Li 610.365	95.7657	ug/L	0.199699	0.2	7135.53
Mg 279.078	73414.5	ug/L	140.239	0.2	316251
Mn 257.610	1510.79	ug/L	2.38933	0.2	443921
Mo 202.032	2.02626	ug/L	0.126532	6.2	25.0952
Na 330.237	1936.90	ug/L	8.66439	0.4	269.762
Ni 216.555	188.391	ug/L	0.207635	0.1	1601.93
Pb 220.353	20.9514	ug/L	0.883426	4.2	113.220
Sb 217.582	1.58775	ug/L	0.318947	20.1	3.36270
Se 196.026	-0.818855uv	ug/L	0.517042	63.1	1.16832
Si 251.611	1976.68	ug/L	4.98169	0.3	10520.4
Si 288.158	2014.42	ug/L	18.4423	0.9	24226.0
Sn 283.998	617.712	ug/L	3.74809	0.6	2823.19
Sr 421.552	65.3911	ug/L	0.136699	0.2	158275
Ti 336.122	8478.96	ug/L	14.0151	0.2	2085125
Tl 190.794	-0.886272uv	ug/L	0.540976	61.0	0.948540
V 292.401	358.905	ug/L	0.642348	0.2	14012.0
Zn 202.548	201.797	ug/L	1.28515	0.6	4724.39
Zr 339.198	15.5271	ug/L	0.575910	3.7	906.253

CCV (CCV) **9/18/2009, 11:49:54 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1000.72	ug/L	0.837834	0.1	8543.29	100.07170
Al 237.312	4998.82	ug/L	6.87392	0.1	22461.9	99.97646
As 188.980	994.347	ug/L	2.73520	0.3	1072.41	99.43475
B 249.678	972.083	ug/L	12.3527	1.3	28528.0	97.20830
Ba 493.408	1005.47	ug/L	1.49427	0.1	2521330	100.54700
Be 313.042	995.136	ug/L	2.66274	0.3	3367245	99.51359
Ca 373.690	19974.8	ug/L	29.4098	0.1	99415.8	99.87379
Cd 214.439	991.463	ug/L	0.125634	0.0	38497.2	99.14626
Co 228.615	995.438	ug/L	0.306209	0.0	8905.23	99.54378
Cr 267.716	995.922	ug/L	1.43756	0.1	47615.0	99.59222
Cu 327.395	998.691	ug/L	9.04237	0.9	67192.8	99.86913
Fe 273.955	4983.44	ug/L	4.78437	0.1	78389.6	99.66883
K 404.721	20068.7	ug/L	95.2895	0.5	283.237	100.34340
Li 610.365	4957.14	ug/L	6.08947	0.1	368920	99.14287
Mg 279.078	19850.2	ug/L	8.71178	0.0	88867.8	99.25079
Mn 257.610	995.746	ug/L	1.15181	0.1	292599	99.57460
Mo 202.032	996.740	ug/L	1.61231	0.2	9068.33	99.67399
Na 330.237	19933.3	ug/L	27.3659	0.1	2776.76	99.66666

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	992.854	ug/L	7.56437	0.8	8426.47	99.28539
Pb 220.353	991.163	ug/L	0.862045	0.1	4997.03	99.11633
Sb 217.582	997.674	ug/L	2.08161	0.2	1933.09	99.76744
Se 196.026	988.186	ug/L	0.098703	0.0	539.957	98.81859
Si 251.611	1000.14	ug/L	4.01399	0.4	5344.72	100.01420
Si 288.158	996.773	ug/L	5.19200	0.5	12178.5	99.67728
Sn 283.998	992.872	ug/L	1.55038	0.2	4529.95	99.28716
Sr 421.552	1001.24	ug/L	1.15923	0.1	2423082	100.12360
Ti 336.122	1001.72	ug/L	0.822814	0.1	246380	100.17200
Tl 190.794	997.231	ug/L	1.48888	0.1	795.422	99.72311
V 292.401	998.146	ug/L	1.14443	0.1	38946.6	99.81462
Zn 202.548	988.391	ug/L	0.924668	0.1	22989.4	98.83905
Zr 339.198	1012.45	ug/L	4.50781	0.4	58905.3	101.24540

CCB (CCB) **9/18/2009, 11:52:48 AM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.821793	ug/L	0.213258	26.0	7.96240	0.82179
Al 237.312	0.972561	ug/L	0.883736	90.9	7.42841	0.97256
As 188.980	1.94550	ug/L	0.457051	23.5	3.64872	1.94550
B 249.678	18.5687	ug/L	3.06861	16.5	560.765	18.56871
Ba 493.408	0.034381	ug/L	0.004000	11.6	211.253	0.03438
Be 313.042	0.020251	ug/L	0.000585	2.9	202.924	0.02025
Ca 373.690	-0.547205uv	ug/L	0.145114	26.5	18.6617	-0.54720
Cd 214.439	0.054474	ug/L	0.017855	32.8	4.00366	0.05447
Co 228.615	0.271273	ug/L	0.108795	40.1	15.2685	0.27127
Cr 267.716	-0.006612uv	ug/L	0.001797	27.2	23.2598	-0.00661
Cu 327.395	0.006972uv	ug/L	0.151853	2178.1	65.1481	0.00697
Fe 273.955	2.51710	ug/L	0.758169	30.1	62.3417	2.51710
K 404.721	-69.0699uv	ug/L	313.569	454.0	15.2277	-69.06990
Li 610.365	-0.176547uv	ug/L	0.014679	8.3	-4.51269	-0.17655
Mg 279.078	-0.393210uv	ug/L	1.05812	269.1	12.4962	-0.39321
Mn 257.610	0.015084	ug/L	0.003976	26.4	49.8675	0.01508
Mo 202.032	9.98469	ug/L	2.15535	21.6	97.4476	9.98469
Na 330.237	25.7003	ug/L	32.5731	126.7	13.4915	25.70025
Ni 216.555	0.000149uv	ug/L	0.314914	210945.0	3.75050	0.00015
Pb 220.353	-0.404781uv	ug/L	0.151816	37.5	5.71860	-0.40478
Sb 217.582	1.62914	ug/L	1.06380	65.3	3.44289	1.62914
Se 196.026	3.99753	ug/L	1.52716	38.2	3.79218	3.99753
Si 251.611	0.015299uv	ug/L	0.350377	2290.2	43.9900	0.01530
Si 288.158	-0.320701uv	ug/L	0.294242	91.7	374.352	-0.32070
Sn 283.998	-0.443843uv	ug/L	0.304519	68.6	10.9456	-0.44384
Sr 421.552	0.033964	ug/L	0.002022	6.0	106.484	0.03396
Ti 336.122	0.578756	ug/L	0.291279	50.3	187.208	0.57876
Tl 190.794	-0.544797uv	ug/L	0.997652	183.1	1.22035	-0.54480
V 292.401	0.162880	ug/L	0.045696	28.1	18.6138	0.16288
Zn 202.548	0.042693	ug/L	0.037212	87.2	39.5947	0.04269
Zr 339.198	0.598796	ug/L	0.085910	14.3	37.7552	0.59880

MB 360-49128/1-A (Samp) **9/18/2009, 12:12:29 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.019927uv	ug/L	0.084302	423.0	0.777283
Al 237.312	4.66004	ug/L	0.043018	0.9	24.2318
As 188.980	-0.662102uv	ug/L	0.497707	75.2	0.840488
B 249.678	1.92930	ug/L	0.089623	4.6	72.7203
Ba 493.408	0.870976	ug/L	0.003954	0.5	2309.01
Be 313.042	-0.012099uv	ug/L	0.000023	0.2	93.4634
Ca 373.690	166.770	ug/L	1.16417	0.7	863.119
Cd 214.439	0.045368	ug/L	0.003664	8.1	3.65010
Co 228.615	0.075119uv	ug/L	0.241097	321.0	13.5163
Cr 267.716	0.788474	ug/L	0.082619	10.5	61.2541
Cu 327.395	0.869983	ug/L	0.056550	6.5	123.156
Fe 273.955	21.8466	ug/L	0.210709	1.0	373.941
K 404.721	-240.959uv	ug/L	285.394	118.4	13.1077
Li 610.365	0.108259	ug/L	0.052351	48.4	16.6826
Mg 279.078	41.4693	ug/L	0.470567	1.1	202.493
Mn 257.610	0.690105	ug/L	0.010550	1.5	248.191
Mo 202.032	0.189202	ug/L	0.088118	46.6	8.39397
Na 330.237	194.142	ug/L	20.0558	10.3	36.0007
Ni 216.555	0.660591	ug/L	0.096948	14.7	9.35326
Pb 220.353	-0.267651uv	ug/L	0.104600	39.1	6.40887
Sb 217.582	1.19749	ug/L	0.629183	52.5	2.60666
Se 196.026	4.88904	ug/L	1.17608	24.1	4.27786
Si 251.611	28.6495	ug/L	1.27051	4.4	195.753
Si 288.158	29.5900	ug/L	0.458555	1.5	728.451
Sn 283.998	8.85793	ug/L	0.400599	4.5	53.2632
Sr 421.552	0.405796	ug/L	0.000273	0.1	1006.34
Ti 336.122	0.376307	ug/L	0.095740	25.4	137.424
Tl 190.794	0.614734	ug/L	0.419365	68.2	2.14330
V 292.401	0.194162	ug/L	0.197534	101.7	19.8340
Zn 202.548	4.18579	ug/L	0.033461	0.8	135.799
Zr 339.198	2.59183	ug/L	0.389256	15.0	153.705

LCS 360-49128/2-A (Samp) **9/18/2009, 12:15:21 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	951.362	ug/L	0.681773	0.1	8121.99
Al 237.312	4739.49	ug/L	4.85998	0.1	21312.5
As 188.980	943.721	ug/L	1.83186	0.2	1017.88
B 249.678	894.559	ug/L	17.3538	1.9	26254.2
Ba 493.408	972.272	ug/L	1.72517	0.2	2438088
Be 313.042	956.482	ug/L	0.414536	0.0	3236458
Ca 373.690	19475.1	ug/L	34.4273	0.2	96964.5
Cd 214.439	944.108	ug/L	1.91684	0.2	36658.6
Co 228.615	956.708	ug/L	0.088820	0.0	8559.25
Cr 267.716	964.725	ug/L	1.52746	0.2	46124.2
Cu 327.395	972.330	ug/L	0.150407	0.0	65420.9
Fe 273.955	4796.30	ug/L	10.5955	0.2	75518.2
K 404.721	18374.9	ug/L	43.6224	0.2	259.167
Li 610.365	4519.79	ug/L	2.50526	0.1	336372
Mg 279.078	18693.6	ug/L	36.3000	0.2	83759.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	964.824	ug/L	0.969984	0.1	283514
Mo 202.032	976.872	ug/L	2.21920	0.2	8887.70
Na 330.237	18577.8	ug/L	34.6289	0.2	2582.02
Ni 216.555	955.952	ug/L	8.68260	0.9	8113.42
Pb 220.353	943.701	ug/L	1.46889	0.2	4758.12
Sb 217.582	864.784	ug/L	8.88566	1.0	1675.64
Se 196.026	941.180	ug/L	1.77044	0.2	514.349
Si 251.611	933.421	ug/L	3.54516	0.4	4991.09
Si 288.158	928.696	ug/L	3.91593	0.4	11372.6
Sn 283.998	953.171	ug/L	0.630198	0.1	4349.33
Sr 421.552	968.985	ug/L	2.42895	0.3	2345032
Ti 336.122	962.522	ug/L	1.63756	0.2	236741
Tl 190.794	934.253	ug/L	4.99593	0.5	745.294
V 292.401	967.780	ug/L	1.22540	0.1	37762.1
Zn 202.548	934.020	ug/L	2.85281	0.3	21726.9
Zr 339.198	987.322	ug/L	0.497702	0.1	57443.2

LCSD 360-49128/3-A (Samp) **9/18/2009, 12:18:14 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	948.431	ug/L	0.587299	0.1	8096.97
Al 237.312	4730.93	ug/L	4.12111	0.1	21274.6
As 188.980	945.498	ug/L	2.87629	0.3	1019.80
B 249.678	917.798	ug/L	11.6903	1.3	26935.8
Ba 493.408	974.143	ug/L	0.074017	0.0	2442780
Be 313.042	957.404	ug/L	3.21780	0.3	3239577
Ca 373.690	19527.2	ug/L	21.6551	0.1	97220.0
Cd 214.439	943.687	ug/L	1.40744	0.1	36642.2
Co 228.615	957.142	ug/L	1.41383	0.1	8563.13
Cr 267.716	967.766	ug/L	1.66557	0.2	46269.5
Cu 327.395	970.916	ug/L	14.7689	1.5	65325.8
Fe 273.955	4793.11	ug/L	5.31711	0.1	75469.2
K 404.721	17925.9	ug/L	8.18835	0.0	252.833
Li 610.365	4478.95	ug/L	2.53840	0.1	333333
Mg 279.078	18643.3	ug/L	19.6857	0.1	83536.4
Mn 257.610	967.244	ug/L	1.19462	0.1	284225
Mo 202.032	990.233	ug/L	2.17065	0.2	9009.17
Na 330.237	18502.2	ug/L	13.4309	0.1	2571.18
Ni 216.555	949.820	ug/L	0.297275	0.0	8061.40
Pb 220.353	942.571	ug/L	2.67957	0.3	4752.42
Sb 217.582	902.358	ug/L	2.51130	0.3	1748.43
Se 196.026	946.858	ug/L	3.20032	0.3	517.442
Si 251.611	1229.92	ug/L	4.51756	0.4	6562.55
Si 288.158	1226.22	ug/L	3.92042	0.3	14894.8
Sn 283.998	961.456	ug/L	1.47710	0.2	4387.02
Sr 421.552	971.239	ug/L	0.980256	0.1	2350485
Ti 336.122	964.366	ug/L	0.479748	0.0	237194
Tl 190.794	934.925	ug/L	6.26802	0.7	745.828
V 292.401	971.141	ug/L	0.564382	0.1	37893.2
Zn 202.548	932.444	ug/L	1.76488	0.2	21690.3
Zr 339.198	1018.80	ug/L	5.07629	0.5	59274.6

360-24582-A-22-D (Samp) **9/18/2009, 12:21:08 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	14.1891	ug/L	0.301514	2.1	122.069
Al 237.312	83359.9	ug/L	240.891	0.3	334438
As 188.980	67.7982	ug/L	1.02955	1.5	74.5680
B 249.678	33.0386	ug/L	3.75952	11.4	985.176
Ba 493.408	431.859	ug/L	0.485316	0.1	1083008
Be 313.042	2.52013	ug/L	0.003982	0.2	8661.42
Ca 373.690	9496.56	ug/L	67.6488	0.7	47633.1
Cd 214.439	10.9392	ug/L	0.073327	0.7	426.622
Co 228.615	32.9664	ug/L	0.051051	0.2	307.339
Cr 267.716	918.586	ug/L	3.67498	0.4	43919.4
Cu 327.395	512.413	ug/L	2.02950	0.4	34507.1
Fe 273.955	141595	ug/L	470.381	0.3	1769067
K 404.721	7025.03	ug/L	375.750	5.3	105.117
Li 610.365	59.4853	ug/L	0.110418	0.2	4435.53
Mg 279.078	14620.8	ug/L	53.1690	0.4	65701.0
Mn 257.610	855.067	ug/L	2.83797	0.3	251267
Mo 202.032	21.2497	ug/L	0.997598	4.7	199.861
Na 330.237	9.39467uv	ug/L	27.6538	294.4	11.3132
Ni 216.555	117.638	ug/L	0.456880	0.4	1001.71
Pb 220.353	425.365	ug/L	3.11733	0.7	2148.94
Sb 217.582	13.1357	ug/L	0.938550	7.1	25.7347
Se 196.026	4.00530	ug/L	1.64362	41.0	3.79642
Si 251.611	3741.11	ug/L	44.5759	1.2	19872.0
Si 288.158	3793.70	ug/L	45.6170	1.2	45290.0
Sn 283.998	361.401	ug/L	3.29944	0.9	1657.13
Sr 421.552	30.9126	ug/L	0.049176	0.2	74834.8
Ti 336.122	2712.67	ug/L	24.5027	0.9	667123
Tl 190.794	0.928878	ug/L	0.832414	89.6	2.39335
V 292.401	160.049	ug/L	0.318228	0.2	6255.22
Zn 202.548	4552.52	ug/L	50.3662	1.1	105750
Zr 339.198	71.0397	ug/L	7.53029	10.6	4135.86

360-24582-A-22-E DU (Samp) **9/18/2009, 12:24:01 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	10.6750	ug/L	0.560518	5.3	92.0715
Al 237.312	82540.0	ug/L	263.740	0.3	331227
As 188.980	72.7507	ug/L	0.654157	0.9	79.9015
B 249.678	25.1213	ug/L	0.492722	2.0	752.957
Ba 493.408	243.410	ug/L	0.101120	0.0	610473
Be 313.042	2.34811	ug/L	0.012467	0.5	8079.39
Ca 373.690	10666.2	ug/L	54.2511	0.5	53452.5
Cd 214.439	9.87650	ug/L	0.011514	0.1	385.361
Co 228.615	41.4026	ug/L	0.130322	0.3	382.701
Cr 267.716	785.940	ug/L	2.78005	0.4	37580.8
Cu 327.395	484.458	ug/L	3.90631	0.8	32628.1
Fe 273.955	195348	ug/L	958.583	0.5	2421756
K 404.721	9814.39	ug/L	464.542	4.7	141.811
Li 610.365	65.1783	ug/L	0.199235	0.3	4859.21
Mg 279.078	16915.1	ug/L	61.6426	0.4	75886.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1058.68	ug/L	4.01623	0.4	311090
Mo 202.032	11.2839	ug/L	0.418843	3.7	109.259
Na 330.237	-375.110uv	ug/L	27.8178	7.4	-40.0471
Ni 216.555	110.930	ug/L	0.695028	0.6	944.805
Pb 220.353	186.482	ug/L	0.606979	0.3	946.462
Sb 217.582	2.63296	ug/L	2.81523	106.9	5.38760
Se 196.026	0.654147uv	ug/L	2.31371	353.7	1.97078
Si 251.611	3639.53	ug/L	58.4002	1.6	19333.6
Si 288.158	3697.45	ug/L	68.1838	1.8	44150.6
Sn 283.998	298.056	ug/L	3.29445	1.1	1368.94
Sr 421.552	30.5053	ug/L	0.073423	0.2	73849.2
Ti 336.122	3235.36	ug/L	14.0565	0.4	795661
Tl 190.794	0.311527uv	ug/L	1.21272	389.3	1.90196
V 292.401	195.204	ug/L	0.624016	0.3	7626.53
Zn 202.548	3963.30	ug/L	45.4518	1.1	92067.8
Zr 339.198	35.3075	ug/L	5.29405	15.0	2057.03

360-24582-A-22-F MS (Samp) **9/18/2009, 12:26:55 PM** **Rack 1, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	928.990	ug/L	4.47229	0.5	7931.02
Al 237.312	90378.2	ug/L	77.0912	0.1	361920
As 188.980	984.724	ug/L	3.82396	0.4	1062.04
B 249.678	886.796	ug/L	10.9534	1.2	26026.5
Ba 493.408	1082.05	ug/L	2.86373	0.3	2713359
Be 313.042	931.563	ug/L	0.053991	0.0	3152143
Ca 373.690	28807.0	ug/L	48.2297	0.2	142453
Cd 214.439	908.828	ug/L	2.49399	0.3	35288.8
Co 228.615	950.581	ug/L	0.530848	0.1	8504.53
Cr 267.716	1706.06	ug/L	3.69582	0.2	81549.8
Cu 327.395	1443.76	ug/L	15.7550	1.1	97108.8
Fe 273.955	121301	ug/L	104.132	0.1	1522646
K 404.721	25493.7	ug/L	257.999	1.0	362.225
Li 610.365	4579.94	ug/L	8.40069	0.2	340848
Mg 279.078	33173.2	ug/L	73.3209	0.2	147113
Mn 257.610	1707.89	ug/L	3.34918	0.2	501830
Mo 202.032	953.352	ug/L	1.52655	0.2	8673.88
Na 330.237	17160.7	ug/L	35.2656	0.2	2379.46
Ni 216.555	1012.03	ug/L	0.463133	0.0	8589.14
Pb 220.353	1063.29	ug/L	1.74783	0.2	5360.11
Sb 217.582	572.823	ug/L	8.35335	1.5	1110.02
Se 196.026	908.288	ug/L	3.21340	0.4	496.430
Si 251.611	6082.99	ug/L	84.1871	1.4	32284.1
Si 288.158	6084.56	ug/L	77.5956	1.3	72410.5
Sn 283.998	1204.56	ug/L	3.64300	0.3	5492.99
Sr 421.552	960.019	ug/L	1.88373	0.2	2323335
Ti 336.122	3932.44	ug/L	11.7258	0.3	967080
Tl 190.794	862.315	ug/L	5.12035	0.6	688.032
V 292.401	1093.78	ug/L	2.84017	0.3	42677.1
Zn 202.548	4854.42	ug/L	13.4143	0.3	112760
Zr 339.198	843.622	ug/L	7.78538	0.9	49083.0

360-24582-A-22-Dsd@5 (Samp) **9/18/2009, 12:29:48 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.45305	ug/L	0.382945	15.6	21.8871
Al 237.312	16485.8	ug/L	19.1913	0.1	71642.6
As 188.980	13.8356	ug/L	1.25099	9.0	16.4536
B 249.678	24.9439	ug/L	3.00663	12.1	747.755
Ba 493.408	94.4020	ug/L	0.017069	0.0	236837
Be 313.042	0.534728	ug/L	0.002475	0.5	1943.69
Ca 373.690	1991.56	ug/L	2.02905	0.1	10059.8
Cd 214.439	2.28079	ug/L	0.034124	1.5	90.4442
Co 228.615	7.09331	ug/L	0.121578	1.7	76.2107
Cr 267.716	190.582	ug/L	0.054153	0.0	9130.78
Cu 327.395	106.709	ug/L	0.660151	0.6	7237.22
Fe 273.955	28153.8	ug/L	7.66355	0.0	391625
K 404.721	1353.94	ug/L	104.749	7.7	32.8630
Li 610.365	6.45497	ug/L	0.159633	2.5	489.006
Mg 279.078	3154.63	ug/L	0.109277	0.0	14300.9
Mn 257.610	182.879	ug/L	0.082832	0.0	53775.8
Mo 202.032	7.79932	ug/L	0.781613	10.0	77.5798
Na 330.237	-2.09453uv	ug/L	44.7264	2135.4	9.77856
Ni 216.555	25.3267	ug/L	0.231620	0.9	218.605
Pb 220.353	91.9106	ug/L	0.939601	1.0	470.411
Sb 217.582	8.35983	ug/L	0.885329	10.6	16.4823
Se 196.026	1.67126	ug/L	1.91866	114.8	2.52488
Si 251.611	796.968	ug/L	18.8313	2.4	4267.88
Si 288.158	805.367	ug/L	19.6443	2.4	9912.51
Sn 283.998	75.2891	ug/L	0.295128	0.4	355.486
Sr 421.552	6.63019	ug/L	0.008856	0.1	16069.8
Ti 336.122	569.770	ug/L	1.18513	0.2	140158
Tl 190.794	1.09995	ug/L	0.359248	32.7	2.52951
V 292.401	33.4129	ug/L	0.007526	0.0	1315.59
Zn 202.548	1000.89	ug/L	2.36659	0.2	23279.5
Zr 339.198	18.7571	ug/L	2.41067	12.9	1094.16

360-24582-A-22-Dpds (Samp) **9/18/2009, 12:32:41 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	997.242	ug/L	2.13241	0.2	8513.63
Al 237.312	85500.0	ug/L	181.235	0.2	342818
As 188.980	1052.14	ug/L	1.53549	0.1	1134.64
B 249.678	912.373	ug/L	4.95402	0.5	26776.7
Ba 493.408	1401.10	ug/L	0.038066	0.0	3513372
Be 313.042	983.134	ug/L	1.91714	0.2	3326636
Ca 373.690	29260.6	ug/L	23.0376	0.1	144648
Cd 214.439	969.558	ug/L	1.44442	0.1	37646.7
Co 228.615	1007.50	ug/L	1.05216	0.1	9012.97
Cr 267.716	1840.85	ug/L	3.43066	0.2	87991.0
Cu 327.395	1510.45	ug/L	5.53169	0.4	101591
Fe 273.955	139332	ug/L	24.7487	0.0	1741584
K 404.721	25686.7	ug/L	281.931	1.1	365.088
Li 610.365	4897.48	ug/L	1.25021	0.0	364480
Mg 279.078	33210.3	ug/L	69.3020	0.2	147274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1742.00	ug/L	5.63795	0.3	511851
Mo 202.032	968.667	ug/L	1.67765	0.2	8813.10
Na 330.237	18221.5	ug/L	3.43748	0.0	2530.99
Ni 216.555	1077.96	ug/L	3.34590	0.3	9148.45
Pb 220.353	1336.17	ug/L	1.02424	0.1	6733.69
Sb 217.582	922.044	ug/L	1.21417	0.1	1786.57
Se 196.026	969.143	ug/L	3.58353	0.4	529.583
Si 251.611	4671.72	ug/L	60.2163	1.3	24804.3
Si 288.158	4730.14	ug/L	68.4609	1.4	56376.1
Sn 283.998	1278.28	ug/L	0.262921	0.0	5828.37
Sr 421.552	1014.18	ug/L	0.876115	0.1	2454407
Ti 336.122	3481.71	ug/L	9.10262	0.3	856239
Tl 190.794	922.872	ug/L	5.53787	0.6	736.235
V 292.401	1148.90	ug/L	0.966575	0.1	44826.9
Zn 202.548	5289.30	ug/L	43.9373	0.8	122858
Zr 339.198	971.516	ug/L	0.309661	0.0	56523.6

360-24582-A-1-A (Samp) **9/18/2009, 12:35:34 PM** **Rack 1, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	35.3352	ug/L	0.370377	1.0	302.576
Al 237.312	114057	ug/L	164.187	0.1	454640
As 188.980	52.7148	ug/L	1.17987	2.2	58.3241
B 249.678	32.1260	ug/L	3.06054	9.5	958.410
Ba 493.408	540.321	ug/L	1.62124	0.3	1354976
Be 313.042	2.80871	ug/L	0.022359	0.8	9637.88
Ca 373.690	37800.8	ug/L	107.928	0.3	185702
Cd 214.439	3.47501	ug/L	0.009006	0.3	136.812
Co 228.615	102.262	ug/L	0.762754	0.7	926.367
Cr 267.716	2349.16	ug/L	8.15883	0.3	112281
Cu 327.395	338.166	ug/L	1.33463	0.4	22794.9
Fe 273.955	249410	ug/L	955.555	0.4	3078189
K 404.721	34183.2	ug/L	507.236	1.5	494.747
Li 610.365	156.169	ug/L	0.267657	0.2	11630.8
Mg 279.078	69943.1	ug/L	244.040	0.3	302062
Mn 257.610	1891.72	ug/L	9.66851	0.5	555839
Mo 202.032	31.1588	ug/L	1.36471	4.4	289.947
Na 330.237	5503.54	ug/L	80.2363	1.5	753.131
Ni 216.555	186.449	ug/L	0.997390	0.5	1585.46
Pb 220.353	39.8339	ug/L	0.553609	1.4	208.270
Sb 217.582	3.91829	ug/L	3.19860	81.6	7.87769
Se 196.026	1.21965	ug/L	0.186766	15.3	2.27885
Si 251.611	4697.75	ug/L	60.3136	1.3	24942.2
Si 288.158	4769.54	ug/L	65.8307	1.4	56842.6
Sn 283.998	914.212	ug/L	3.09437	0.3	4172.09
Sr 421.552	105.066	ug/L	0.233373	0.2	254291
Ti 336.122	11652.8	ug/L	32.1119	0.3	2865621
Tl 190.794	0.608307uv	ug/L	1.03014	169.3	2.13818
V 292.401	432.010	ug/L	1.66498	0.4	16863.5
Zn 202.548	303.440	ug/L	2.29307	0.8	7084.57
Zr 339.198	41.8868	ug/L	1.02232	2.4	2439.80

360-24582-A-5-A (Samp) **9/18/2009, 12:38:28 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.007036uv	ug/L	0.230610	3277.7	0.887329
Al 237.312	41154.6	ug/L	190.488	0.5	169170
As 188.980	103.481	ug/L	3.94263	3.8	112.996
B 249.678	26.3830	ug/L	0.327684	1.2	789.965
Ba 493.408	153.134	ug/L	0.880549	0.6	384108
Be 313.042	1.17235	ug/L	0.001228	0.1	4101.13
Ca 373.690	14666.5	ug/L	146.187	1.0	73280.9
Cd 214.439	8.01528	ug/L	0.218878	2.7	313.096
Co 228.615	33.8092	ug/L	0.188179	0.6	314.868
Cr 267.716	177.300	ug/L	0.552783	0.3	8496.08
Cu 327.395	406.313	ug/L	5.99427	1.5	27375.4
Fe 273.955	416439	ug/L	2343.51	0.6	5106319
K 404.721	4124.79	ug/L	518.110	12.6	67.7772
Li 610.365	1.22794	ug/L	0.016405	1.3	100.010
Mg 279.078	1978.21	ug/L	7.13322	0.4	8980.51
Mn 257.610	1165.87	ug/L	4.91047	0.4	342581
Mo 202.032	15.1392	ug/L	0.536367	3.5	144.308
Na 330.237	-30.0965uv	ug/L	9.82229	32.6	6.03809
Ni 216.555	128.959	ug/L	1.52649	1.2	1097.75
Pb 220.353	617.033	ug/L	1.90013	0.3	3113.75
Sb 217.582	0.904984	ug/L	0.348286	38.5	2.03998
Se 196.026	4.76251	ug/L	2.87187	60.3	4.20892
Si 251.611	5368.28	ug/L	84.2123	1.6	28496.1
Si 288.158	5460.37	ug/L	93.5401	1.7	65021.0
Sn 283.998	61.4771	ug/L	0.085607	0.1	292.649
Sr 421.552	31.3597	ug/L	0.096765	0.3	75916.9
Ti 336.122	1473.66	ug/L	2.43922	0.2	362437
Tl 190.794	0.059786uv	ug/L	1.03469	1730.6	1.70158
V 292.401	215.507	ug/L	0.773020	0.4	8418.45
Zn 202.548	224.102	ug/L	1.42793	0.6	5242.33
Zr 339.198	95.9646	ug/L	13.6109	14.2	5585.93

CCV (CCV) **9/18/2009, 12:41:21 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.826	ug/L	3.20986	0.3	8518.62	99.78259
Al 237.312	4977.95	ug/L	5.94722	0.1	22369.4	99.55894
As 188.980	992.802	ug/L	5.54706	0.6	1070.74	99.28017
B 249.678	977.951	ug/L	10.5573	1.1	28700.1	97.79513
Ba 493.408	999.863	ug/L	3.05945	0.3	2507272	99.98629
Be 313.042	988.977	ug/L	0.761616	0.1	3346405	98.89767
Ca 373.690	19929.4	ug/L	9.95612	0.0	99193.5	99.64721
Cd 214.439	990.548	ug/L	1.71399	0.2	38461.7	99.05479
Co 228.615	995.206	ug/L	0.648498	0.1	8903.17	99.52064
Cr 267.716	992.643	ug/L	0.142250	0.0	47458.3	99.26434
Cu 327.395	999.823	ug/L	8.26414	0.8	67268.8	99.98232
Fe 273.955	4982.12	ug/L	4.65662	0.1	78369.3	99.64236
K 404.721	19648.7	ug/L	432.810	2.2	277.246	98.24334
Li 610.365	4960.73	ug/L	7.89004	0.2	369187	99.21458
Mg 279.078	19804.9	ug/L	15.5577	0.1	88667.9	99.02434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	992.680	ug/L	0.752250	0.1	291698	99.26798
Mo 202.032	995.715	ug/L	2.39097	0.2	9059.01	99.57153
Na 330.237	20011.0	ug/L	96.8184	0.5	2787.95	100.05520
Ni 216.555	989.215	ug/L	2.64358	0.3	8395.60	98.92149
Pb 220.353	987.525	ug/L	2.70284	0.3	4978.71	98.75246
Sb 217.582	992.824	ug/L	6.61834	0.7	1923.70	99.28243
Se 196.026	992.742	ug/L	3.76777	0.4	542.439	99.27422
Si 251.611	1008.04	ug/L	3.48253	0.3	5386.59	100.80440
Si 288.158	1001.23	ug/L	2.26158	0.2	12231.3	100.12310
Sn 283.998	990.654	ug/L	0.884574	0.1	4519.86	99.06539
Sr 421.552	994.747	ug/L	2.15365	0.2	2407377	99.47469
Ti 336.122	993.857	ug/L	1.22924	0.1	244447	99.38573
Tl 190.794	993.946	ug/L	0.936882	0.1	792.807	99.39455
V 292.401	994.540	ug/L	1.33571	0.1	38805.9	99.45400
Zn 202.548	987.840	ug/L	2.91246	0.3	22976.6	98.78398
Zr 339.198	915.948	ug/L	9.00279	1.0	53290.8	91.59479

CCB (CCB) **9/18/2009, 12:44:15 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.725924	ug/L	0.107468	14.8	7.14404	0.72592
Al 237.312	1.41937	ug/L	1.22524	86.3	9.46448	1.41937
As 188.980	0.336549	ug/L	0.189660	56.4	1.91597	0.33655
B 249.678	27.5301	ug/L	3.71279	13.5	823.609	27.53008
Ba 493.408	0.055615	ug/L	0.009789	17.6	264.497	0.05561
Be 313.042	0.054040	ug/L	0.007247	13.4	317.250	0.05404
Ca 373.690	0.916636	ug/L	0.188140	20.5	26.0507	0.91664
Cd 214.439	0.122147	ug/L	0.038605	31.6	6.63118	0.12215
Co 228.615	0.154280	ug/L	0.028323	18.4	14.2234	0.15428
Cr 267.716	0.004656uv	ug/L	0.070347	1511.0	23.7983	0.00466
Cu 327.395	-0.055416uv	ug/L	0.134154	242.1	60.9546	-0.05542
Fe 273.955	4.38656	ug/L	1.11822	25.5	92.4806	4.38656
K 404.721	-436.774uv	ug/L	533.700	122.2	10.6932	-436.77359
Li 610.365	-0.008438uv	ug/L	0.031882	377.9	7.99805	-0.00844
Mg 279.078	0.152806uv	ug/L	0.248012	162.3	14.9744	0.15281
Mn 257.610	0.039595	ug/L	0.008765	22.1	57.0690	0.03960
Mo 202.032	10.8642	ug/L	2.19366	20.2	105.444	10.86424
Na 330.237	-37.4641uv	ug/L	42.7838	114.2	5.05396	-37.46408
Ni 216.555	-0.028576uv	ug/L	0.337772	1182.0	3.50682	-0.02858
Pb 220.353	-0.233355uv	ug/L	0.261955	112.3	6.58151	-0.23336
Sb 217.582	2.15474	ug/L	1.18388	54.9	4.46114	2.15474
Se 196.026	2.83483	ug/L	0.153691	5.4	3.15877	2.83483
Si 251.611	4.11475	ug/L	0.040389	1.0	65.7173	4.11475
Si 288.158	3.12549	ug/L	0.245340	7.8	415.150	3.12549
Sn 283.998	-0.434761uv	ug/L	1.30260	299.6	10.9869	-0.43476
Sr 421.552	0.056342	ug/L	0.009737	17.3	160.638	0.05634
Ti 336.122	0.525615	ug/L	0.223399	42.5	174.140	0.52561
Tl 190.794	0.623255	ug/L	0.069125	11.1	2.15008	0.62326
V 292.401	0.184938	ug/L	0.025216	13.6	19.4742	0.18494
Zn 202.548	0.080159	ug/L	0.028024	35.0	40.4647	0.08016
Zr 339.198	0.538397	ug/L	0.102436	19.0	34.2413	0.53840

360-24582-A-6-A (Samp) **9/18/2009, 12:47:08 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.836265	ug/L	0.042631	5.1	8.08594
Al 237.312	108848	ug/L	299.625	0.3	434243
As 188.980	189.752	ug/L	0.978141	0.5	205.905
B 249.678	20.4694	ug/L	0.447636	2.2	616.514
Ba 493.408	262.306	ug/L	0.471225	0.2	657854
Be 313.042	3.19536	ug/L	0.013368	0.4	10946.1
Ca 373.690	14591.3	ug/L	54.4362	0.4	72909.3
Cd 214.439	2.60814	ug/L	0.143990	5.5	103.154
Co 228.615	46.7064	ug/L	0.024007	0.1	430.080
Cr 267.716	182.360	ug/L	0.995254	0.5	8737.88
Cu 327.395	204.773	ug/L	0.353640	0.2	13828.7
Fe 273.955	144402	ug/L	330.970	0.2	1803145
K 404.721	11729.1	ug/L	238.648	2.0	167.434
Li 610.365	112.338	ug/L	0.577572	0.5	8368.87
Mg 279.078	26780.2	ug/L	77.2721	0.3	119304
Mn 257.610	1109.17	ug/L	4.44756	0.4	325924
Mo 202.032	12.5196	ug/L	2.13088	17.0	120.493
Na 330.237	352.232	ug/L	18.9141	5.4	57.1403
Ni 216.555	145.035	ug/L	1.18744	0.8	1234.13
Pb 220.353	496.414	ug/L	2.39786	0.5	2506.58
Sb 217.582	0.879276	ug/L	0.337771	38.4	1.99017
Se 196.026	1.36088uv	ug/L	4.06991	299.1	2.35579
Si 251.611	3880.76	ug/L	57.4854	1.5	20612.2
Si 288.158	3940.49	ug/L	54.5164	1.4	47027.8
Sn 283.998	59.5423	ug/L	2.02846	3.4	283.847
Sr 421.552	60.1627	ug/L	0.217262	0.4	145622
Ti 336.122	4401.73	ug/L	19.1568	0.4	1082486
Tl 190.794	-0.788304uv	ug/L	1.61014	204.3	1.02652
V 292.401	278.458	ug/L	1.22030	0.4	10874.0
Zn 202.548	310.898	ug/L	2.44604	0.8	7257.77
Zr 339.198	105.399	ug/L	8.90949	8.5	6134.83

360-24582-A-7-A (Samp) **9/18/2009, 12:50:01 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.44680	ug/L	0.387647	26.8	13.2976
Al 237.312	145797	ug/L	300.863	0.2	578929
As 188.980	99.9713	ug/L	0.148438	0.1	109.216
B 249.678	22.8590	ug/L	0.114054	0.5	686.603
Ba 493.408	324.298	ug/L	0.767831	0.2	813298
Be 313.042	3.89213	ug/L	0.012931	0.3	13303.7
Ca 373.690	15059.7	ug/L	38.0146	0.3	75223.7
Cd 214.439	5.95831	ug/L	0.029343	0.5	233.231
Co 228.615	38.6705	ug/L	0.034011	0.1	358.295
Cr 267.716	184.175	ug/L	0.396507	0.2	8824.62
Cu 327.395	244.889	ug/L	0.597377	0.2	16525.2
Fe 273.955	212681	ug/L	678.568	0.3	2632215
K 404.721	4505.71	ug/L	179.323	4.0	72.6292
Li 610.365	48.1998	ug/L	0.080542	0.2	3595.66
Mg 279.078	9955.00	ug/L	23.7419	0.2	44885.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	725.198	ug/L	2.51920	0.3	213111
Mo 202.032	12.8896	ug/L	0.771908	6.0	123.857
Na 330.237	478.810	ug/L	14.0995	2.9	74.0754
Ni 216.555	116.241	ug/L	0.145773	0.1	989.858
Pb 220.353	584.996	ug/L	0.987162	0.2	2952.48
Sb 217.582	1.88251	ug/L	2.53408	134.6	3.93375
Se 196.026	11.9965	ug/L	3.16967	26.4	8.14984
Si 251.611	7157.11	ug/L	134.163	1.9	37977.0
Si 288.158	7191.72	ug/L	128.889	1.8	85517.7
Sn 283.998	60.5975	ug/L	1.12215	1.9	288.648
Sr 421.552	85.8823	ug/L	0.239578	0.3	207865
Ti 336.122	5712.33	ug/L	10.8207	0.2	1404776
Tl 190.794	-0.409534uv	ug/L	0.566894	138.4	1.32801
V 292.401	528.242	ug/L	1.18431	0.2	20617.2
Zn 202.548	391.488	ug/L	2.68372	0.7	9129.10
Zr 339.198	76.1734	ug/L	12.5762	16.5	4434.52

360-24582-A-9-B (Samp) **9/18/2009, 12:52:54 PM** **Rack 1, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.886431	ug/L	0.433473	48.9	8.51416
Al 237.312	71810.7	ug/L	42.8628	0.1	289213
As 188.980	55.6574	ug/L	0.071144	0.1	61.4932
B 249.678	22.4680	ug/L	0.184553	0.8	675.133
Ba 493.408	236.248	ug/L	0.299379	0.1	592514
Be 313.042	3.31372	ug/L	0.008171	0.2	11346.6
Ca 373.690	22711.7	ug/L	51.9806	0.2	112812
Cd 214.439	8.88107	ug/L	0.071956	0.8	346.712
Co 228.615	38.3673	ug/L	0.459723	1.2	355.586
Cr 267.716	177.286	ug/L	0.497271	0.3	8495.44
Cu 327.395	341.442	ug/L	1.26469	0.4	23015.1
Fe 273.955	121868	ug/L	435.268	0.4	1529532
K 404.721	11630.7	ug/L	65.3190	0.6	166.106
Li 610.365	57.3085	ug/L	0.039306	0.1	4273.54
Mg 279.078	17826.7	ug/L	46.8444	0.3	79923.8
Mn 257.610	1541.91	ug/L	2.76498	0.2	453063
Mo 202.032	4.83831	ug/L	0.443153	9.2	50.6603
Na 330.237	-90.1048uv	ug/L	28.1254	31.2	-1.97754
Ni 216.555	106.624	ug/L	0.383770	0.4	908.275
Pb 220.353	387.924	ug/L	0.912951	0.2	1960.47
Sb 217.582	1.93608	ug/L	1.67322	86.4	4.03754
Se 196.026	-0.995999uv	ug/L	2.55865	256.9	1.07182
Si 251.611	4696.10	ug/L	95.7191	2.0	24933.5
Si 288.158	4761.66	ug/L	93.6378	2.0	56749.2
Sn 283.998	65.7682	ug/L	1.16473	1.8	312.172
Sr 421.552	79.8014	ug/L	0.081639	0.1	193149
Ti 336.122	2757.53	ug/L	0.571244	0.0	678154
Tl 190.794	-0.462107uv	ug/L	0.859782	186.1	1.28616
V 292.401	160.544	ug/L	0.394673	0.2	6274.53
Zn 202.548	2869.15	ug/L	17.9682	0.6	66661.3
Zr 339.198	26.8482	ug/L	0.288209	1.1	1564.89

360-24582-A-10-A (Samp) **9/18/2009, 12:55:46 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.743371	ug/L	0.254353	34.2	7.29297
Al 237.312	103408	ug/L	476.828	0.5	412941
As 188.980	85.3627	ug/L	1.11122	1.3	93.4839
B 249.678	11.9362	ug/L	0.148704	1.2	366.228
Ba 493.408	120.890	ug/L	0.441640	0.4	303256
Be 313.042	2.77049	ug/L	0.011546	0.4	9508.54
Ca 373.690	8465.18	ug/L	49.4878	0.6	42493.5
Cd 214.439	1.87774	ug/L	0.092643	4.9	74.7953
Co 228.615	39.8661	ug/L	0.032563	0.1	368.975
Cr 267.716	137.333	ug/L	0.513563	0.4	6586.21
Cu 327.395	84.7591	ug/L	0.170281	0.2	5761.85
Fe 273.955	111168	ug/L	348.366	0.3	1399610
K 404.721	11458.6	ug/L	21.1241	0.2	163.790
Li 610.365	78.7820	ug/L	0.286512	0.4	5871.60
Mg 279.078	18028.9	ug/L	79.3009	0.4	80818.9
Mn 257.610	796.739	ug/L	3.49229	0.4	234130
Mo 202.032	5.04211	ug/L	0.311949	6.2	52.5132
Na 330.237	149.124	ug/L	31.3613	21.0	29.9834
Ni 216.555	112.732	ug/L	0.155780	0.1	960.095
Pb 220.353	173.622	ug/L	2.23264	1.3	881.727
Sb 217.582	1.65903	ug/L	0.314914	19.0	3.50079
Se 196.026	1.69486uv	ug/L	3.08411	182.0	2.53773
Si 251.611	5839.95	ug/L	111.971	1.9	30996.0
Si 288.158	5864.41	ug/L	84.2241	1.4	69804.2
Sn 283.998	44.6749	ug/L	0.437445	1.0	216.209
Sr 421.552	25.8203	ug/L	0.114974	0.4	62511.1
Ti 336.122	3713.24	ug/L	19.1269	0.5	913177
Tl 190.794	-0.626854uv	ug/L	0.432981	69.1	1.15503
V 292.401	179.006	ug/L	0.587558	0.3	6994.70
Zn 202.548	297.959	ug/L	2.52561	0.8	6957.31
Zr 339.198	20.3916	ug/L	0.235580	1.2	1189.26

360-24582-A-11-A (Samp) **9/18/2009, 12:58:39 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.13470	ug/L	0.294557	26.0	10.6334
Al 237.312	179960	ug/L	290.168	0.2	712706
As 188.980	87.0396	ug/L	2.23833	2.6	95.2898
B 249.678	17.2067	ug/L	0.119593	0.7	520.816
Ba 493.408	222.426	ug/L	0.053829	0.0	557857
Be 313.042	3.41037	ug/L	0.009138	0.3	11673.6
Ca 373.690	7600.48	ug/L	41.0295	0.5	38178.6
Cd 214.439	2.95984	ug/L	0.019214	0.6	116.810
Co 228.615	32.5494	ug/L	0.098552	0.3	303.614
Cr 267.716	171.714	ug/L	0.501284	0.3	8229.16
Cu 327.395	151.427	ug/L	1.35798	0.9	10243.0
Fe 273.955	170476	ug/L	280.534	0.2	2119749
K 404.721	5682.90	ug/L	162.890	2.9	87.7308
Li 610.365	76.4289	ug/L	0.016627	0.0	5696.48
Mg 279.078	7163.77	ug/L	14.1449	0.2	32367.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	292.019	ug/L	0.709394	0.2	85841.6
Mo 202.032	9.77980	ug/L	0.246620	2.5	95.5849
Na 330.237	153.847	ug/L	4.95856	3.2	30.6146
Ni 216.555	87.2560	ug/L	0.110976	0.1	743.972
Pb 220.353	413.745	ug/L	1.79999	0.4	2090.45
Sb 217.582	1.37148	ug/L	1.18614	86.5	2.94373
Se 196.026	8.49655	ug/L	4.36588	51.4	6.24315
Si 251.611	7190.92	ug/L	127.895	1.8	38156.2
Si 288.158	7238.55	ug/L	97.8248	1.4	86072.0
Sn 283.998	58.6269	ug/L	1.24714	2.1	279.683
Sr 421.552	38.1585	ug/L	0.067510	0.2	92370.4
Ti 336.122	3879.92	ug/L	9.98737	0.3	954165
Tl 190.794	-0.890701uv	ug/L	0.209306	23.5	0.945015
V 292.401	385.528	ug/L	0.730240	0.2	15050.4
Zn 202.548	167.679	ug/L	0.664207	0.4	3932.18
Zr 339.198	39.7973	ug/L	5.32780	13.4	2318.24

360-24582-A-12-A (Samp) **9/18/2009, 1:01:33 PM** **Rack 1, Tube 26**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.61868	ug/L	0.211782	3.2	57.4459
Al 237.312	122842	ug/L	87.6481	0.1	489043
As 188.980	73.9377	ug/L	0.334040	0.5	81.1798
B 249.678	9.75888	ug/L	0.248244	2.5	302.367
Ba 493.408	137.395	ug/L	0.087709	0.1	344642
Be 313.042	3.15271	ug/L	0.003387	0.1	10801.8
Ca 373.690	5779.90	ug/L	0.595586	0.0	29076.4
Cd 214.439	3.88334	ug/L	0.005483	0.1	152.666
Co 228.615	26.3587	ug/L	0.252704	1.0	248.311
Cr 267.716	466.972	ug/L	0.647354	0.1	22338.4
Cu 327.395	81.8248	ug/L	0.381121	0.5	5564.62
Fe 273.955	106107	ug/L	142.703	0.1	1338157
K 404.721	6548.88	ug/L	0.971581	0.0	98.9261
Li 610.365	74.2084	ug/L	0.292322	0.4	5531.23
Mg 279.078	12323.5	ug/L	20.3107	0.2	55468.9
Mn 257.610	549.493	ug/L	1.03969	0.2	161488
Mo 202.032	4.84015	ug/L	0.002229	0.0	50.6771
Na 330.237	177.327	ug/L	11.9129	6.7	33.7529
Ni 216.555	91.8401	ug/L	0.344161	0.4	782.861
Pb 220.353	222.171	ug/L	0.205596	0.1	1126.11
Sb 217.582	1.97655	ug/L	1.28597	65.1	4.11594
Se 196.026	3.10656	ug/L	1.54833	49.8	3.30680
Si 251.611	5621.95	ug/L	150.547	2.7	29840.6
Si 288.158	5706.81	ug/L	146.999	2.6	67938.5
Sn 283.998	171.499	ug/L	1.82138	1.1	793.184
Sr 421.552	24.3911	ug/L	0.050325	0.2	59052.4
Ti 336.122	2935.80	ug/L	2.04208	0.1	721993
Tl 190.794	1.04121	ug/L	0.392194	37.7	2.48276
V 292.401	173.533	ug/L	0.431087	0.2	6781.18
Zn 202.548	564.383	ug/L	1.01534	0.2	13143.8
Zr 339.198	16.8098	ug/L	1.19109	7.1	980.878

360-24582-A-13-A (Samp) **9/18/2009, 1:04:27 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	18.2339	ug/L	0.724188	4.0	156.596
Al 237.312	108093	ug/L	103.475	0.1	431288
As 188.980	112.872	ug/L	1.16590	1.0	123.110
B 249.678	13.7032	ug/L	0.164766	1.2	418.058
Ba 493.408	358.665	ug/L	0.676831	0.2	899476
Be 313.042	3.91684	ug/L	0.005667	0.1	13387.3
Ca 373.690	32789.7	ug/L	38.0291	0.1	161676
Cd 214.439	6.88725	ug/L	0.033736	0.5	269.298
Co 228.615	61.7144	ug/L	0.018448	0.0	564.148
Cr 267.716	1311.13	ug/L	1.58080	0.1	62677.6
Cu 327.395	191.445	ug/L	0.625278	0.3	12932.8
Fe 273.955	186443	ug/L	379.816	0.2	2313623
K 404.721	11812.6	ug/L	48.6426	0.4	168.558
Li 610.365	140.563	ug/L	0.129971	0.1	10469.3
Mg 279.078	35144.6	ug/L	43.6307	0.1	155637
Mn 257.610	1519.70	ug/L	2.15671	0.1	446537
Mo 202.032	5.54880	ug/L	0.070644	1.3	57.1196
Na 330.237	393.355	ug/L	33.1663	8.4	62.6414
Ni 216.555	166.497	ug/L	0.185311	0.1	1416.20
Pb 220.353	487.219	ug/L	0.213742	0.0	2460.30
Sb 217.582	3.15868	ug/L	0.353165	11.2	6.40610
Se 196.026	2.06094	ug/L	0.045275	2.2	2.73717
Si 251.611	3115.36	ug/L	53.8537	1.7	16555.5
Si 288.158	3155.55	ug/L	51.4995	1.6	37735.2
Sn 283.998	497.888	ug/L	0.492200	0.1	2278.06
Sr 421.552	110.243	ug/L	0.089645	0.1	266819
Ti 336.122	6680.19	ug/L	4.75294	0.1	1642785
Tl 190.794	1.43204	ug/L	1.74131	121.6	2.79385
V 292.401	282.302	ug/L	0.344469	0.1	11023.9
Zn 202.548	951.093	ug/L	2.67189	0.3	22123.3
Zr 339.198	22.1923	ug/L	0.723097	3.3	1294.02

360-24582-A-14-B (Samp) **9/18/2009, 1:07:20 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.451459	ug/L	0.073998	16.4	4.80115
Al 237.312	121564	ug/L	222.993	0.2	484037
As 188.980	82.7314	ug/L	1.05163	1.3	90.6502
B 249.678	16.9074	ug/L	0.060271	0.4	512.039
Ba 493.408	428.120	ug/L	1.82549	0.4	1073632
Be 313.042	3.46572	ug/L	0.010737	0.3	11860.9
Ca 373.690	53660.1	ug/L	160.218	0.3	260552
Cd 214.439	6.01423	ug/L	0.010595	0.2	235.402
Co 228.615	97.2038	ug/L	0.105824	0.1	881.181
Cr 267.716	301.712	ug/L	0.926826	0.3	14441.3
Cu 327.395	281.125	ug/L	0.303382	0.1	18960.8
Fe 273.955	233750	ug/L	611.526	0.3	2888041
K 404.721	17511.8	ug/L	202.209	1.2	247.008
Li 610.365	130.567	ug/L	0.289744	0.2	9725.47
Mg 279.078	49492.4	ug/L	153.321	0.3	216933

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2683.69	ug/L	8.79188	0.3	788521
Mo 202.032	7.05909	ug/L	0.036269	0.5	70.8501
Na 330.237	691.516	ug/L	25.1698	3.6	102.553
Ni 216.555	215.866	ug/L	0.429447	0.2	1835.02
Pb 220.353	199.684	ug/L	0.909185	0.5	1012.91
Sb 217.582	3.10769	ug/L	0.907539	29.2	6.30731
Se 196.026	2.29865	ug/L	0.233388	10.2	2.86667
Si 251.611	3599.47	ug/L	74.3936	2.1	19121.3
Si 288.158	3664.84	ug/L	69.2243	1.9	43764.5
Sn 283.998	101.322	ug/L	0.331839	0.3	473.920
Sr 421.552	127.439	ug/L	0.298818	0.2	308436
Ti 336.122	7781.38	ug/L	26.9395	0.3	1913581
Tl 190.794	-0.972662uv	ug/L	0.314509	32.3	0.879776
V 292.401	637.286	ug/L	2.04843	0.3	24870.7
Zn 202.548	1816.33	ug/L	5.84140	0.3	42214.4
Zr 339.198	25.6523	ug/L	1.69029	6.6	1495.32

360-24582-A-16-A (Samp) **9/18/2009, 1:10:13 PM** **Rack 1, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.978625	ug/L	0.152587	15.6	9.30115
Al 237.312	76953.0	ug/L	91.6421	0.1	309350
As 188.980	17.7638	ug/L	0.515074	2.9	20.6841
B 249.678	8.03039	ug/L	0.069967	0.9	251.669
Ba 493.408	522.300	ug/L	1.38935	0.3	1309788
Be 313.042	5.77460	ug/L	0.013004	0.2	19673.2
Ca 373.690	6998.31	ug/L	15.8505	0.2	35170.6
Cd 214.439	3.22574	ug/L	0.079331	2.5	127.134
Co 228.615	22.3891	ug/L	0.109789	0.5	212.850
Cr 267.716	142.875	ug/L	0.345170	0.2	6851.04
Cu 327.395	161.433	ug/L	0.305399	0.2	10915.6
Fe 273.955	44494.6	ug/L	18.0257	0.0	590040
K 404.721	408.820	ug/L	296.222	72.5	21.1299
Li 610.365	0.727985	ug/L	0.000779	0.1	62.8027
Mg 279.078	695.880	ug/L	1.20295	0.2	3171.16
Mn 257.610	84.8740	ug/L	0.231367	0.3	24981.7
Mo 202.032	4.65062	ug/L	0.262206	5.6	48.9541
Na 330.237	81.7929	ug/L	28.7598	35.2	20.9856
Ni 216.555	74.2636	ug/L	0.170745	0.2	633.753
Pb 220.353	158.688	ug/L	1.04575	0.7	806.554
Sb 217.582	0.859380	ug/L	0.168262	19.6	1.95163
Se 196.026	12.2760	ug/L	0.008160	0.1	8.30212
Si 251.611	3355.19	ug/L	0.331974	0.0	17826.6
Si 288.158	3413.76	ug/L	0.270689	0.0	40792.1
Sn 283.998	51.0628	ug/L	0.894128	1.8	245.270
Sr 421.552	170.161	ug/L	0.514879	0.3	411826
Ti 336.122	1725.36	ug/L	3.75323	0.2	424331
Tl 190.794	-0.793154uv	ug/L	0.007320	0.9	1.02266
V 292.401	116.056	ug/L	0.159929	0.1	4539.21
Zn 202.548	529.101	ug/L	4.31506	0.8	12324.5
Zr 339.198	30.5134	ug/L	5.55748	18.2	1778.12

360-24582-A-17-B (Samp) **9/18/2009, 1:13:07 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.94057	ug/L	0.472565	6.0	68.7299
Al 237.312	137057	ug/L	166.071	0.1	544705
As 188.980	114.727	ug/L	1.75822	1.5	125.107
B 249.678	15.6148	ug/L	0.532174	3.4	474.125
Ba 493.408	658.455	ug/L	1.22747	0.2	1651194
Be 313.042	4.46744	ug/L	0.006758	0.2	15250.3
Ca 373.690	25982.1	ug/L	39.1878	0.2	128749
Cd 214.439	3.91229	ug/L	0.165425	4.2	153.790
Co 228.615	91.7613	ug/L	0.582163	0.6	832.562
Cr 267.716	849.156	ug/L	1.75050	0.2	40601.6
Cu 327.395	166.883	ug/L	0.194968	0.1	11281.9
Fe 273.955	217850	ug/L	605.990	0.3	2694985
K 404.721	49386.4	ug/L	363.224	0.7	744.372
Li 610.365	334.554	ug/L	0.013573	0.0	24906.2
Mg 279.078	73328.1	ug/L	126.666	0.2	315899
Mn 257.610	2553.52	ug/L	7.30481	0.3	750277
Mo 202.032	5.43546	ug/L	0.171844	3.2	56.0892
Na 330.237	468.979	ug/L	14.8754	3.2	72.7599
Ni 216.555	336.718	ug/L	1.20237	0.4	2860.25
Pb 220.353	158.413	ug/L	0.300242	0.2	805.166
Sb 217.582	2.61579	ug/L	0.706129	27.0	5.35434
Se 196.026	-0.827118uv	ug/L	1.74494	211.0	1.16382
Si 251.611	2142.39	ug/L	23.5833	1.1	11398.7
Si 288.158	2177.12	ug/L	12.4529	0.6	26152.1
Sn 283.998	309.073	ug/L	1.97991	0.6	1419.07
Sr 421.552	82.7455	ug/L	0.018358	0.0	200274
Ti 336.122	8524.53	ug/L	27.1836	0.3	2096332
Tl 190.794	2.28864	ug/L	0.577995	25.3	3.47568
V 292.401	472.003	ug/L	0.651195	0.1	18423.5
Zn 202.548	758.597	ug/L	1.87566	0.2	17653.5
Zr 339.198	21.5772	ug/L	0.622584	2.9	1258.23

CCV (CCV) **9/18/2009, 1:16:00 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1000.97	ug/L	0.642153	0.1	8545.43	100.09670
Al 237.312	5005.26	ug/L	5.85469	0.1	22490.4	100.10530
As 188.980	998.470	ug/L	1.19182	0.1	1076.84	99.84703
B 249.678	973.183	ug/L	12.4391	1.3	28560.2	97.31828
Ba 493.408	1005.12	ug/L	2.37893	0.2	2520462	100.51230
Be 313.042	994.677	ug/L	1.92983	0.2	3365693	99.46773
Ca 373.690	19952.0	ug/L	3.91257	0.0	99304.1	99.75992
Cd 214.439	993.289	ug/L	1.59893	0.2	38568.1	99.32894
Co 228.615	996.185	ug/L	0.521439	0.1	8911.91	99.61854
Cr 267.716	994.225	ug/L	0.769773	0.1	47533.9	99.42253
Cu 327.395	996.596	ug/L	2.99044	0.3	67051.9	99.65959
Fe 273.955	4990.50	ug/L	6.74134	0.1	78497.9	99.81010
K 404.721	20418.1	ug/L	15.3975	0.1	288.237	102.09030
Li 610.365	4974.10	ug/L	4.47086	0.1	370182	99.48190
Mg 279.078	19865.7	ug/L	15.7124	0.1	88936.3	99.32836

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	995.362	ug/L	1.00136	0.1	292486	99.53625
Mo 202.032	997.739	ug/L	1.78607	0.2	9077.41	99.77392
Na 330.237	20121.8	ug/L	9.65919	0.0	2803.90	100.60880
Ni 216.555	993.117	ug/L	3.86440	0.4	8428.71	99.31174
Pb 220.353	992.306	ug/L	1.66669	0.2	5002.78	99.23058
Sb 217.582	997.649	ug/L	0.482942	0.0	1933.04	99.76492
Se 196.026	988.709	ug/L	0.650181	0.1	540.242	98.87089
Si 251.611	1025.08	ug/L	8.39586	0.8	5476.88	102.50790
Si 288.158	1019.30	ug/L	7.63122	0.7	12445.2	101.93050
Sn 283.998	992.597	ug/L	0.043504	0.0	4528.70	99.25967
Sr 421.552	999.663	ug/L	0.363437	0.0	2419275	99.96633
Ti 336.122	999.462	ug/L	0.595931	0.1	245825	99.94621
Tl 190.794	1002.07	ug/L	0.533265	0.1	799.271	100.20670
V 292.401	997.307	ug/L	0.405041	0.0	38913.9	99.73075
Zn 202.548	989.472	ug/L	1.75866	0.2	23014.5	98.94723
Zr 339.198	882.586	ug/L	2.68872	0.3	51349.9	88.25864Q

CCB (CCB) **9/18/2009, 1:18:53 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.315085uv	ug/L	0.530456	168.4	3.63702	0.31508
Al 237.312	1.62787	ug/L	0.166709	10.2	10.4146	1.62787
As 188.980	1.51219	ug/L	0.955289	63.2	3.18207	1.51219
B 249.678	22.1137	ug/L	3.38854	15.3	664.743	22.11371
Ba 493.408	0.061399	ug/L	0.009470	15.4	279.002	0.06140
Be 313.042	0.063750	ug/L	0.005026	7.9	350.106	0.06375
Ca 373.690	1.03949	ug/L	0.322960	31.1	26.6708	1.03949
Cd 214.439	0.042738uv	ug/L	0.070974	166.1	3.54799	0.04274
Co 228.615	0.252973	ug/L	0.272725	107.8	15.1051	0.25297
Cr 267.716	0.053060uv	ug/L	0.089488	168.7	26.1113	0.05306
Cu 327.395	0.158712	ug/L	0.064640	40.7	75.3474	0.15871
Fe 273.955	4.57664	ug/L	1.30154	28.4	95.5450	4.57664
K 404.721	-124.029uv	ug/L	97.3762	78.5	14.5494	-124.02870
Li 610.365	-0.095451uv	ug/L	0.024403	25.6	1.52246	-0.09545
Mg 279.078	0.541161	ug/L	0.116618	21.5	16.7371	0.54116
Mn 257.610	0.043613	ug/L	0.010038	23.0	58.2494	0.04361
Mo 202.032	10.5627	ug/L	2.34549	22.2	102.703	10.56275
Na 330.237	8.94517uv	ug/L	25.0820	280.4	11.2532	8.94517
Ni 216.555	-0.094675uv	ug/L	0.061985	65.5	2.94607	-0.09468
Pb 220.353	0.090981	ug/L	0.018682	20.5	8.21414	0.09098
Sb 217.582	2.51287	ug/L	1.72667	68.7	5.15495	2.51287
Se 196.026	5.25276	ug/L	2.94604	56.1	4.47601	5.25276
Si 251.611	9.36463	ug/L	1.00889	10.8	93.5419	9.36463
Si 288.158	9.21180	ug/L	1.71673	18.6	487.203	9.21180
Sn 283.998	-0.008090uv	ug/L	1.39787	17279.2	12.9280	-0.00809
Sr 421.552	0.063279	ug/L	0.001805	2.9	177.427	0.06328
Ti 336.122	0.763141	ug/L	0.238416	31.2	232.551	0.76314
Tl 190.794	1.56436	ug/L	0.629600	40.2	2.89918	1.56436
V 292.401	0.445675	ug/L	0.029949	6.7	29.6446	0.44567
Zn 202.548	0.024634	ug/L	0.026015	105.6	39.1754	0.02463
Zr 339.198	0.495756	ug/L	0.092491	18.7	31.7606	0.49576

360-24582-A-19-A (Samp) **9/18/2009, 1:21:47 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.042214uv	ug/L	0.234695	556.0	1.30774
Al 237.312	99553.3	ug/L	302.526	0.3	397848
As 188.980	122.554	ug/L	0.707603	0.6	133.537
B 249.678	16.4278	ug/L	0.287672	1.8	497.970
Ba 493.408	265.787	ug/L	0.619323	0.2	666584
Be 313.042	3.48308	ug/L	0.002334	0.1	11919.7
Ca 373.690	30644.7	ug/L	18.4870	0.1	151337
Cd 214.439	2.92967	ug/L	0.008876	0.3	115.638
Co 228.615	92.2516	ug/L	0.375149	0.4	836.942
Cr 267.716	220.617	ug/L	0.214368	0.1	10566.1
Cu 327.395	337.821	ug/L	3.64844	1.1	22771.7
Fe 273.955	191096	ug/L	235.676	0.1	2370122
K 404.721	14552.5	ug/L	317.319	2.2	205.878
Li 610.365	133.002	ug/L	0.246413	0.2	9906.66
Mg 279.078	42689.7	ug/L	19.2162	0.0	188032
Mn 257.610	2040.51	ug/L	1.52884	0.1	599554
Mo 202.032	9.06345	ug/L	1.53241	16.9	89.0723
Na 330.237	1167.16	ug/L	1.78184	0.2	166.319
Ni 216.555	176.882	ug/L	0.035055	0.0	1504.30
Pb 220.353	127.327	ug/L	0.449079	0.4	648.691
Sb 217.582	3.18740	ug/L	0.375464	11.8	6.46173
Se 196.026	-2.05876uv	ug/L	0.529480	25.7	0.492844
Si 251.611	2598.85	ug/L	45.5773	1.8	13818.0
Si 288.158	2633.40	ug/L	50.5661	1.9	31553.7
Sn 283.998	70.9892	ug/L	0.008238	0.0	335.924
Sr 421.552	98.8863	ug/L	0.309602	0.3	239336
Ti 336.122	4511.13	ug/L	1.51814	0.0	1109387
Tl 190.794	-1.13562uv	ug/L	0.026934	2.4	0.750069
V 292.401	289.272	ug/L	0.093783	0.0	11295.8
Zn 202.548	328.402	ug/L	1.25505	0.4	7664.22
Zr 339.198	69.1526	ug/L	8.21441	11.9	4026.06

360-24582-A-20-A (Samp) **9/18/2009, 1:24:40 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	9.59247	ug/L	0.513286	5.4	82.8309
Al 237.312	28991.1	ug/L	39.3535	0.1	121541
As 188.980	14.3348	ug/L	0.179086	1.2	16.9912
B 249.678	14.1017	ug/L	0.444516	3.2	429.744
Ba 493.408	403.224	ug/L	0.579725	0.1	1011205
Be 313.042	1.35018	ug/L	0.000269	0.0	4702.82
Ca 373.690	91670.8	ug/L	134.621	0.1	432607
Cd 214.439	7.56397	ug/L	0.027970	0.4	295.573
Co 228.615	42.4698	ug/L	0.034327	0.1	392.234
Cr 267.716	602.417	ug/L	2.27022	0.4	28810.9
Cu 327.395	182.998	ug/L	0.440064	0.2	12365.1
Fe 273.955	48341.2	ug/L	161.466	0.3	636747
K 404.721	2754.95	ug/L	112.077	4.1	50.4194
Li 610.365	9.74592	ug/L	0.183035	1.9	733.919
Mg 279.078	7969.06	ug/L	10.9564	0.1	35983.6

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	667.500	ug/L	0.986557	0.1	196159
Mo 202.032	5.14527	ug/L	0.890069	17.3	53.4510
Na 330.237	630.862	ug/L	18.1844	2.9	94.4301
Ni 216.555	70.5388	ug/L	0.687205	1.0	602.154
Pb 220.353	572.710	ug/L	0.058523	0.0	2890.64
Sb 217.582	1.15394	ug/L	0.843737	73.1	2.52228
Se 196.026	4.68237	ug/L	1.94335	41.5	4.16527
Si 251.611	3270.80	ug/L	6.08619	0.2	17379.3
Si 288.158	3321.79	ug/L	8.18248	0.2	39703.3
Sn 283.998	244.817	ug/L	0.230671	0.1	1126.74
Sr 421.552	247.772	ug/L	0.127285	0.1	599649
Ti 336.122	1178.35	ug/L	6.36085	0.5	289816
Tl 190.794	-0.805404uv	ug/L	0.782707	97.2	1.01291
V 292.401	102.296	ug/L	0.091102	0.1	4002.49
Zn 202.548	419.484	ug/L	0.955936	0.2	9779.15
Zr 339.198	81.8311	ug/L	10.5892	12.9	4763.67

360-24582-A-21-B (Samp) **9/18/2009, 1:27:33 PM** **Rack 1, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	14.1787	ug/L	0.352033	2.5	121.980
Al 237.312	79182.2	ug/L	23.6052	0.0	318079
As 188.980	61.2452	ug/L	0.282048	0.5	67.5108
B 249.678	9.71868	ug/L	0.201682	2.1	301.188
Ba 493.408	140.951	ug/L	0.076423	0.1	353559
Be 313.042	2.04451	ug/L	0.019575	1.0	7052.14
Ca 373.690	8670.13	ug/L	8.46595	0.1	43515.4
Cd 214.439	8.28967	ug/L	0.033788	0.4	323.750
Co 228.615	30.8383	ug/L	0.213986	0.7	288.328
Cr 267.716	834.546	ug/L	1.48025	0.2	39903.4
Cu 327.395	468.889	ug/L	0.773786	0.2	31581.6
Fe 273.955	109302	ug/L	50.6797	0.0	1376948
K 404.721	6389.41	ug/L	960.449	15.0	96.8816
Li 610.365	60.1993	ug/L	0.411202	0.7	4488.67
Mg 279.078	14644.4	ug/L	30.8869	0.2	65805.9
Mn 257.610	716.251	ug/L	1.06088	0.1	210482
Mo 202.032	7.20247	ug/L	0.447407	6.2	72.1536
Na 330.237	10.7722uv	ug/L	16.6675	154.7	11.4972
Ni 216.555	93.4116	ug/L	0.172628	0.2	796.192
Pb 220.353	192.524	ug/L	2.01080	1.0	976.873
Sb 217.582	1.06692	ug/L	1.08482	101.7	2.35370
Se 196.026	1.73988	ug/L	1.37876	79.2	2.56226
Si 251.611	3429.70	ug/L	68.9341	2.0	18221.5
Si 288.158	3478.86	ug/L	64.2585	1.8	41562.8
Sn 283.998	329.591	ug/L	0.957922	0.3	1512.41
Sr 421.552	25.0284	ug/L	0.010684	0.0	60594.6
Ti 336.122	2455.36	ug/L	4.37281	0.2	603847
Tl 190.794	-0.579035uv	ug/L	0.655464	113.2	1.19309
V 292.401	152.092	ug/L	0.322479	0.2	5944.85
Zn 202.548	3729.03	ug/L	44.7721	1.2	86627.9
Zr 339.198	11.7605	ug/L	0.631584	5.4	687.118

360-24444-A-4-D (Samp) **9/18/2009, 1:30:26 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	43.3717	ug/L	1.96877	4.5	371.178
Al 237.312	107703	ug/L	371.502	0.3	429761
As 188.980	40.4765	ug/L	2.99303	7.4	45.1442
B 249.678	8.90932	ug/L	0.378978	4.3	277.449
Ba 493.408	463.563	ug/L	2.16882	0.5	1162506
Be 313.042	3.07178	ug/L	0.013242	0.4	10528.0
Ca 373.690	61258.1	ug/L	256.315	0.4	295773
Cd 214.439	3.17775	ug/L	0.006742	0.2	125.270
Co 228.615	138.095	ug/L	0.718889	0.5	1246.46
Cr 267.716	2716.50	ug/L	10.5823	0.4	129835
Cu 327.395	355.548	ug/L	1.82066	0.5	23963.2
Fe 273.955	229258	ug/L	897.584	0.4	2833498
K 404.721	31642.2	ug/L	119.403	0.4	455.225
Li 610.365	167.465	ug/L	0.332934	0.2	12471.5
Mg 279.078	74496.5	ug/L	253.260	0.3	320658
Mn 257.610	2895.51	ug/L	7.30050	0.3	850756
Mo 202.032	19.7437	ug/L	0.095372	0.5	186.169
Na 330.237	1661.30	ug/L	16.1674	1.0	232.690
Ni 216.555	114.583	ug/L	0.075630	0.1	975.794
Pb 220.353	25.2263	ug/L	0.206698	0.8	134.739
Sb 217.582	1.18158	ug/L	0.281208	23.8	2.57584
Se 196.026	0.742488uv	ug/L	2.96547	399.4	2.01891
Si 251.611	2755.97	ug/L	8.42900	0.3	14650.7
Si 288.158	2783.49	ug/L	4.69943	0.2	33330.6
Sn 283.998	1070.96	ug/L	4.12905	0.4	4885.21
Sr 421.552	152.560	ug/L	0.499029	0.3	369229
Ti 336.122	8051.20	ug/L	20.2768	0.3	1979933
Tl 190.794	-0.132709uv	ug/L	2.18210	1644.3	1.54835
V 292.401	312.078	ug/L	1.25597	0.4	12185.4
Zn 202.548	273.648	ug/L	3.72834	1.4	6392.80
Zr 339.198	21.9581	ug/L	1.75366	8.0	1280.39

360-24444-A-7-E (Samp) **9/18/2009, 1:33:19 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	57.5996	ug/L	0.812019	1.4	492.631
Al 237.312	123963	ug/L	1841.04	1.5	493433
As 188.980	61.7220	ug/L	1.79803	2.9	68.0244
B 249.678	6.59938	ug/L	0.151759	2.3	209.697
Ba 493.408	1079.61	ug/L	1.11953	0.1	2707228
Be 313.042	2.95355	ug/L	0.005145	0.2	10127.9
Ca 373.690	45482.1	ug/L	93.7718	0.2	222180
Cd 214.439	3.46342	ug/L	0.195185	5.6	136.362
Co 228.615	184.385	ug/L	0.278242	0.2	1659.98
Cr 267.716	3744.15	ug/L	7.95910	0.2	178943
Cu 327.395	386.530	ug/L	1.12725	0.3	26045.7
Fe 273.955	254109	ug/L	230.550	0.1	3135253
K 404.721	53307.2	ug/L	188.483	0.4	812.416
Li 610.365	116.190	ug/L	0.010002	0.0	8655.48
Mg 279.078	80205.0	ug/L	219.750	0.3	343787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3177.58	ug/L	7.33520	0.2	933629
Mo 202.032	6.09383	ug/L	0.154475	2.5	62.0746
Na 330.237	2994.82	ug/L	14.2839	0.5	412.442
Ni 216.555	212.979	ug/L	0.683499	0.3	1810.52
Pb 220.353	24.3670	ug/L	0.433199	1.8	130.414
Sb 217.582	4.83184	ug/L	3.64125	75.4	9.64752
Se 196.026	-0.611951uv	ug/L	2.84787	465.4	1.28104
Si 251.611	3327.06	ug/L	56.0042	1.7	17677.5
Si 288.158	3376.64	ug/L	50.6163	1.5	40352.6
Sn 283.998	1490.62	ug/L	1.96319	0.1	6794.41
Sr 421.552	138.667	ug/L	0.088723	0.1	335608
Ti 336.122	9896.70	ug/L	4.78195	0.0	2433765
Tl 190.794	-0.022022uv	ug/L	0.546683	2482.5	1.63646
V 292.401	396.293	ug/L	1.21978	0.3	15470.3
Zn 202.548	346.230	ug/L	0.392979	0.1	8078.19
Zr 339.198	17.0113	ug/L	0.437314	2.6	992.599

360-24444-A-13-E (Samp) **9/18/2009, 1:36:12 PM** **Rack 1, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	142.079	ug/L	0.504014	0.4	1213.77
Al 237.312	127247	ug/L	219.711	0.2	506292
As 188.980	63.9706	ug/L	1.39764	2.2	70.4459
B 249.678	10.9695	ug/L	0.034879	0.3	337.877
Ba 493.408	182.994	ug/L	0.271283	0.1	458982
Be 313.042	4.59526	ug/L	0.023559	0.5	15682.8
Ca 373.690	23915.2	ug/L	118.054	0.5	118685
Cd 214.439	2.35362	ug/L	0.033190	1.4	93.2722
Co 228.615	62.7448	ug/L	0.146431	0.2	573.353
Cr 267.716	7808.95	ug/L	32.5870	0.4	373184
Cu 327.395	268.308	ug/L	1.32645	0.5	18099.3
Fe 273.955	186694	ug/L	1418.92	0.8	2316676
K 404.721	14205.3	ug/L	102.370	0.7	201.107
Li 610.365	178.917	ug/L	0.381714	0.2	13323.7
Mg 279.078	48215.5	ug/L	215.629	0.4	211531
Mn 257.610	1355.56	ug/L	5.55759	0.4	398314
Mo 202.032	9.32511	ug/L	0.124629	1.3	91.4512
Na 330.237	7317.21	ug/L	29.4036	0.4	1001.48
Ni 216.555	146.726	ug/L	0.805389	0.5	1248.48
Pb 220.353	29.6008	ug/L	0.413548	1.4	156.760
Sb 217.582	2.40168	ug/L	0.991325	41.3	4.93955
Se 196.026	0.163343uv	ug/L	4.21635	2581.3	1.70340
Si 251.611	3750.57	ug/L	42.7320	1.1	19922.1
Si 288.158	3800.02	ug/L	43.9185	1.2	45364.8
Sn 283.998	3243.42	ug/L	17.1164	0.5	14768.6
Sr 421.552	68.8056	ug/L	0.384881	0.6	166538
Ti 336.122	4307.18	ug/L	6.45062	0.1	1059233
Tl 190.794	1.38421uv	ug/L	3.89491	281.4	2.75578
V 292.401	306.038	ug/L	1.19995	0.4	11949.8
Zn 202.548	243.928	ug/L	0.206416	0.1	5702.69
Zr 339.198	17.3669	ug/L	0.985965	5.7	1013.29

360-24611-A-1-I (Samp) **9/18/2009, 1:39:04 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.05229	ug/L	0.228406	3.8	52.6111
Al 237.312	31765.6	ug/L	156.581	0.5	132405
As 188.980	10.5620	ug/L	0.588162	5.6	12.9282
B 249.678	53.9999	ug/L	0.614138	1.1	1599.99
Ba 493.408	1308.11	ug/L	3.81796	0.3	3280202
Be 313.042	0.727407	ug/L	0.003096	0.4	2595.63
Ca 373.690	-x	ug/L	28315.4	3.1	3983469
Cd 214.439	1.41368	ug/L	0.001634	0.1	56.7773
Co 228.615	12.6506	ug/L	0.014788	0.1	125.854
Cr 267.716	37.2534	ug/L	0.205687	0.6	1803.78
Cu 327.395	333.543	ug/L	1.68309	0.5	22484.1
Fe 273.955	26144.0	ug/L	138.639	0.5	367221
K 404.721	8111.17	ug/L	541.420	6.7	119.317
Li 610.365	56.2477	ug/L	0.479530	0.9	4194.59
Mg 279.078	26304.2	ug/L	88.6894	0.3	117223
Mn 257.610	924.670	ug/L	3.51719	0.4	271716
Mo 202.032	9.60774	ug/L	0.119779	1.2	94.0207
Na 330.237	2727.77	ug/L	54.5708	2.0	376.371
Ni 216.555	32.2555	ug/L	0.070766	0.2	277.383
Pb 220.353	109.249	ug/L	0.588454	0.5	557.688
Sb 217.582	42.8148	ug/L	0.130546	0.3	83.2324
Se 196.026	4.49129	ug/L	3.90409	86.9	4.06117
Si 251.611	3139.95	ug/L	22.3505	0.7	16685.8
Si 288.158	3178.22	ug/L	10.4965	0.3	38003.6
Sn 283.998	14.5306	ug/L	0.215573	1.5	79.0704
Sr 421.552	717.886	ug/L	2.11554	0.3	1737356
Ti 336.122	336.991	ug/L	0.522562	0.2	82915.2
Tl 190.794	-0.870716uv	ug/L	1.05541	121.2	0.960922
V 292.401	52.0345	ug/L	0.565191	1.1	2041.95
Zn 202.548	585.018	ug/L	0.685269	0.1	13622.9
Zr 339.198	77.3666	ug/L	4.58810	5.9	4503.94

CCV (CCV) **9/18/2009, 2:09:31 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.075	ug/L	3.99556	0.4	8469.53	99.20752
Al 237.312	4966.30	ug/L	13.7989	0.3	22317.8	99.32592
As 188.980	991.562	ug/L	2.32611	0.2	1069.41	99.15623
B 249.678	990.347	ug/L	13.6508	1.4	29063.7	99.03474
Ba 493.408	998.754	ug/L	1.53519	0.2	2504492	99.87543
Be 313.042	984.795	ug/L	1.71943	0.2	3332254	98.47945
Ca 373.690	19791.7	ug/L	4.19154	0.0	98518.1	98.95869
Cd 214.439	983.916	ug/L	1.45103	0.1	38204.2	98.39162
Co 228.615	987.282	ug/L	1.90242	0.2	8832.38	98.72820
Cr 267.716	986.359	ug/L	1.67735	0.2	47158.0	98.63586
Cu 327.395	992.318	ug/L	6.13121	0.6	66764.3	99.23175
Fe 273.955	4937.36	ug/L	8.68968	0.2	77683.1	98.74725
K 404.721	20361.7	ug/L	364.675	1.8	287.432	101.80830
Li 610.365	4934.58	ug/L	1.29786	0.0	367241	98.69154
Mg 279.078	19681.5	ug/L	40.8257	0.2	88123.4	98.40756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	986.672	ug/L	2.00233	0.2	289933	98.66720
Mo 202.032	1000.60	ug/L	3.88727	0.4	9103.44	100.06020
Na 330.237	19809.9	ug/L	31.5229	0.2	2758.99	99.04961
Ni 216.555	981.698	ug/L	0.087827	0.0	8331.83	98.16976
Pb 220.353	982.416	ug/L	2.92946	0.3	4953.00	98.24162
Sb 217.582	990.528	ug/L	2.30164	0.2	1919.25	99.05277
Se 196.026	987.919	ug/L	0.902010	0.1	539.811	98.79191
Si 251.611	1001.02	ug/L	9.87403	1.0	5349.39	100.10240
Si 288.158	994.617	ug/L	9.86152	1.0	12153.0	99.46172
Sn 283.998	984.042	ug/L	2.94949	0.3	4489.78	98.40415
Sr 421.552	992.510	ug/L	0.413155	0.0	2401963	99.25095
Ti 336.122	991.196	ug/L	0.717378	0.1	243792	99.11964
Tl 190.794	997.498	ug/L	0.131288	0.0	795.635	99.74983
V 292.401	990.039	ug/L	0.595888	0.1	38630.3	99.00386
Zn 202.548	979.873	ug/L	3.20852	0.3	22791.6	97.98732
Zr 339.198	1009.23	ug/L	0.611986	0.1	58717.6	100.92280

CCB (CCB) **9/18/2009, 2:12:25 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.314055	ug/L	0.391681	124.7	3.62824	0.31406
Al 237.312	1.38463	ug/L	0.190973	13.8	9.30615	1.38463
As 188.980	0.545405uv	ug/L	1.33363	244.5	2.14090	0.54541
B 249.678	35.1133	ug/L	4.94341	14.1	1046.03	35.11333
Ba 493.408	0.084935	ug/L	0.008612	10.1	338.017	0.08493
Be 313.042	0.084513	ug/L	0.002123	2.5	420.359	0.08451
Ca 373.690	1.76628	ug/L	1.10633	62.6	30.3394	1.76628
Cd 214.439	0.040429	ug/L	0.020444	50.6	3.45834	0.04043
Co 228.615	0.319873	ug/L	0.118294	37.0	15.7027	0.31987
Cr 267.716	-0.007058uv	ug/L	0.048727	690.4	23.2385	-0.00706
Cu 327.395	0.196397	ug/L	0.149197	76.0	77.8805	0.19640
Fe 273.955	3.45986	ug/L	0.086323	2.5	77.5407	3.45986
K 404.721	-337.406uv	ug/L	4.28427	1.3	11.9185	-337.40610
Li 610.365	-0.094218uv	ug/L	0.030379	32.2	1.61426	-0.09422
Mg 279.078	0.847661	ug/L	1.06709	125.9	18.1282	0.84766
Mn 257.610	0.075278	ug/L	0.007820	10.4	67.5528	0.07528
Mo 202.032	12.3380	ug/L	2.52676	20.5	118.842	12.33803
Na 330.237	-3.02950uv	ug/L	10.4426	344.7	9.65356	-3.02950
Ni 216.555	0.043902uv	ug/L	0.172805	393.6	4.12167	0.04390
Pb 220.353	-0.109460uv	ug/L	0.813370	743.1	7.20517	-0.10946
Sb 217.582	1.84419	ug/L	0.331990	18.0	3.85951	1.84419
Se 196.026	3.63007	ug/L	1.87795	51.7	3.59200	3.63007
Si 251.611	5.12639	ug/L	2.19910	42.9	71.0790	5.12639
Si 288.158	4.70972	ug/L	2.56172	54.4	433.905	4.70972
Sn 283.998	0.771557	ug/L	0.998045	129.4	16.4749	0.77156
Sr 421.552	0.083223	ug/L	0.002810	3.4	225.693	0.08322
Ti 336.122	0.482484	ug/L	0.137220	28.4	163.534	0.48248
Tl 190.794	2.70627	ug/L	0.100329	3.7	3.80810	2.70627
V 292.401	0.377898	ug/L	0.009137	2.4	27.0009	0.37790
Zn 202.548	0.073355	ug/L	0.022190	30.3	40.3067	0.07335
Zr 339.198	0.670656	ug/L	0.262444	39.1	41.9359	0.67066

CCV (CCV) **9/18/2009, 3:53:52 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	975.411	ug/L	1.45086	0.1	8327.28	97.54114
Al 237.312	4854.07	ug/L	14.2764	0.3	21820.6	97.08134
As 188.980	974.401	ug/L	7.00240	0.7	1050.92	97.44011
B 249.678	940.153	ug/L	6.59663	0.7	27591.5	94.01530
Ba 493.408	980.316	ug/L	2.71501	0.3	2458257	98.03156
Be 313.042	970.108	ug/L	1.38003	0.1	3282560	97.01076
Ca 373.690	19455.4	ug/L	4.28960	0.0	96867.5	97.27683
Cd 214.439	973.104	ug/L	0.759458	0.1	37784.4	97.31040
Co 228.615	972.330	ug/L	1.30273	0.1	8698.81	97.23296
Cr 267.716	971.318	ug/L	1.25802	0.1	46439.3	97.13175
Cu 327.395	969.570	ug/L	2.02417	0.2	65235.3	96.95699
Fe 273.955	4857.42	ug/L	5.71762	0.1	76456.5	97.14829
K 404.721	20027.9	ug/L	230.859	1.2	282.656	100.13970
Li 610.365	4848.03	ug/L	10.5717	0.2	360800	96.96060
Mg 279.078	19360.2	ug/L	27.3286	0.1	86704.3	96.80075
Mn 257.610	970.013	ug/L	1.41935	0.1	285039	97.00134
Mo 202.032	970.450	ug/L	1.60036	0.2	8829.32	97.04498
Na 330.237	19553.4	ug/L	36.7323	0.2	2722.08	97.76699
Ni 216.555	967.679	ug/L	1.86250	0.2	8212.90	96.76788
Pb 220.353	968.539	ug/L	0.654756	0.1	4883.15	96.85394
Sb 217.582	975.769	ug/L	3.27270	0.3	1890.66	97.57692
Se 196.026	971.179	ug/L	4.13884	0.4	530.692	97.11790
Si 251.611	985.834	ug/L	6.48921	0.7	5268.88	98.58340
Si 288.158	976.766	ug/L	5.87765	0.6	11941.6	97.67661
Sn 283.998	966.916	ug/L	1.50580	0.2	4411.86	96.69155
Sr 421.552	972.583	ug/L	2.53633	0.3	2353738	97.25825
Ti 336.122	972.430	ug/L	3.14102	0.3	239178	97.24304
Tl 190.794	981.832	ug/L	1.28996	0.1	783.165	98.18323
V 292.401	971.979	ug/L	1.28931	0.1	37925.9	97.19792
Zn 202.548	968.947	ug/L	0.609483	0.1	22537.9	96.89472
Zr 339.198	989.605	ug/L	2.15567	0.2	57576.0	98.96052

CCB (CCB) **9/18/2009, 3:56:46 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.069621uv	ug/L	0.120624	173.3	0.353088	-0.06962
Al 237.312	1.64543	ug/L	0.064820	3.9	10.4946	1.64543
As 188.980	0.124192uv	ug/L	1.52144	1225.1	1.68728	0.12419
B 249.678	25.1376	ug/L	3.92157	15.6	753.435	25.13757
Ba 493.408	0.196090	ug/L	0.002694	1.4	616.738	0.19609
Be 313.042	0.110889	ug/L	0.000758	0.7	509.601	0.11089
Ca 373.690	2.31276	ug/L	0.648486	28.0	33.0978	2.31276
Cd 214.439	0.123641	ug/L	0.011754	9.5	6.68922	0.12364
Co 228.615	0.555764	ug/L	0.096903	17.4	17.8099	0.55576
Cr 267.716	0.828427	ug/L	0.102358	12.4	63.1633	0.82843
Cu 327.395	0.038392uv	ug/L	0.254943	664.1	67.2600	0.03839
Fe 273.955	2.89898	ug/L	0.310945	10.7	68.4982	2.89898
K 404.721	-571.970uv	ug/L	137.251	24.0	9.02625	-571.96973
Li 610.365	-0.169304uv	ug/L	0.152674	90.2	-3.97363	-0.16930
Mg 279.078	1.14460	ug/L	1.03151	90.1	19.4759	1.14460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.116036	ug/L	0.010671	9.2	79.5275	0.11604
Mo 202.032	11.1562	ug/L	2.68441	24.1	108.098	11.15617
Na 330.237	-20.7540uv	ug/L	26.2759	126.6	7.28601	-20.75398
Ni 216.555	0.205934	ug/L	0.018956	9.2	5.49625	0.20593
Pb 220.353	-0.043517uv	ug/L	0.212459	488.2	7.53711	-0.04352
Sb 217.582	1.96264	ug/L	0.121323	6.2	4.08899	1.96264
Se 196.026	4.34349	ug/L	2.36878	54.5	3.98066	4.34349
Si 251.611	1.46568	ug/L	1.64397	112.2	51.6771	1.46568
Si 288.158	0.812445	ug/L	1.14582	141.0	387.767	0.81244
Sn 283.998	0.076123uv	ug/L	0.888722	1167.5	13.3111	0.07612
Sr 421.552	0.120476	ug/L	0.005141	4.3	315.846	0.12048
Ti 336.122	0.407833	ug/L	0.112295	27.5	145.176	0.40783
Tl 190.794	1.29002	ug/L	0.017662	1.4	2.68081	1.29002
V 292.401	0.462222	ug/L	0.126326	27.3	30.2901	0.46222
Zn 202.548	0.140876	ug/L	0.014445	10.3	41.8745	0.14088
Zr 339.198	0.617289	ug/L	0.056544	9.2	38.8311	0.61729

Interf Check A (ICSA) **9/18/2009, 3:59:40 PM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.520759	ug/L	0.322810	62.0	5.39270	0.52076
Al 237.312	111101	ug/L	552.344	0.5	443068	1101.39844K
As 188.980	0.504649uv	ug/L	0.883385	175.0	2.09701	0.50465
B 249.678	11.1301	ug/L	0.288238	2.6	342.587	11.13012
Ba 493.408	0.467401	ug/L	0.018081	3.9	1297.05	0.46740
Be 313.042	0.014560	ug/L	0.001125	7.7	183.667	0.01456
Ca 373.690	103164	ug/L	559.089	0.5	482626	3164.00000K
Cd 214.439	0.669791	ug/L	0.092623	13.8	27.8944	0.66979
Co 228.615	1.97859	ug/L	0.292987	14.8	30.5203	1.97859
Cr 267.716	0.877931	ug/L	0.037132	4.2	65.5289	0.87793
Cu 327.395	0.621996	ug/L	0.185819	29.9	106.488	0.62200
Fe 273.955	42962.0	ug/L	171.852	0.4	571431	2961.96875K
K 404.721	1666.80	ug/L	5.14034	0.3	36.7666	1666.79797
Li 610.365	1.47786	ug/L	0.038990	2.6	118.608	1.47786
Mg 279.078	107592	ug/L	359.719	0.3	452074	7591.70313K
Mn 257.610	3.16234	ug/L	0.001644	0.1	974.542	3.16234
Mo 202.032	2.87542	ug/L	0.702805	24.4	32.8151	2.87542
Na 330.237	153.626	ug/L	19.1613	12.5	30.5851	153.62601
Ni 216.555	5.25213	ug/L	0.167335	3.2	48.3049	5.25213
Pb 220.353	-1.62536uv	ug/L	0.009002	0.6	-0.425476	-1.62536
Sb 217.582	1.39846	ug/L	1.06689	76.3	2.99600	1.39846
Se 196.026	-1.58583uv	ug/L	0.717988	45.3	0.750488	-1.58583
Si 251.611	-0.062273uv	ug/L	1.09335	1755.7	43.5789	-0.06227
Si 288.158	-1.53184uv	ug/L	2.25450	147.2	360.014	-1.53184
Sn 283.998	0.203052uv	ug/L	0.683148	336.4	13.8885	0.20305
Sr 421.552	0.606401	ug/L	0.007154	1.2	1491.82	0.60640
Ti 336.122	1.60824	ug/L	0.039356	2.4	440.372	1.60824
Tl 190.794	1.29651	ug/L	0.783520	60.4	2.68597	1.29651
V 292.401	2.65387	ug/L	0.000137	0.0	115.779	2.65387
Zn 202.548	0.591132uv	ug/L	1.92231	325.2	52.3296	0.59113
Zr 339.198	1.02091	ug/L	0.063569	6.2	62.3129	1.02091

Interf Check AB (ICSAB) **9/18/2009, 4:02:35 PM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	597.579	ug/L	0.176129	0.0	5102.02	99.59650
Al 237.312	108247	ug/L	29.4941	0.0	431891	108.24710
As 188.980	1929.46	ug/L	0.085108	0.0	2079.47	96.47314
B 249.678	8.76638	ug/L	0.088769	1.0	273.257	-
Ba 493.408	580.558	ug/L	0.342289	0.1	1455868	96.75962
Be 313.042	187.564	ug/L	0.018871	0.0	634772	93.78227
Ca 373.690	99842.6	ug/L	312.121	0.3	468243	99.84261
Cd 214.439	559.582	ug/L	0.251268	0.0	21728.7	93.26373
Co 228.615	563.767	ug/L	1.05056	0.2	5049.06	93.96114
Cr 267.716	559.123	ug/L	0.679572	0.1	26742.0	93.18714
Cu 327.395	589.613	ug/L	5.31685	0.9	39696.1	98.26879
Fe 273.955	41846.1	ug/L	40.1918	0.1	557882	104.61530
K 404.721	42462.3	ug/L	192.427	0.5	627.875	106.15570
Li 610.365	1.45105	ug/L	0.019597	1.4	116.613	-
Mg 279.078	103522	ug/L	45.0670	0.0	436167	103.52220
Mn 257.610	375.082	ug/L	0.220755	0.1	110246	93.77040
Mo 202.032	1.13296	ug/L	0.528890	46.7	16.9740	-
Na 330.237	-106.445uv	ug/L	15.1754	14.3	-4.16016	-
Ni 216.555	567.217	ug/L	0.742799	0.1	4815.65	94.53613
Pb 220.353	1819.87	ug/L	1.99953	0.1	9168.54	90.99361
Sb 217.582	918.362	ug/L	4.09159	0.4	1779.44	91.83625
Se 196.026	946.292	ug/L	5.65487	0.6	517.134	94.62922
Si 251.611	-0.435597uv	ug/L	1.08927	250.1	41.6002	-
Si 288.158	-0.158402uv	ug/L	0.523724	330.6	376.273	-
Sn 283.998	227.083	ug/L	1.09213	0.5	1046.06	-
Sr 421.552	0.621684	ug/L	0.002416	0.4	1528.80	-
Ti 336.122	1.65659	ug/L	0.097289	5.9	452.260	-
Tl 190.794	1834.62	ug/L	3.39018	0.2	1461.96	91.73098
V 292.401	575.107	ug/L	0.162491	0.0	22445.3	95.85116
Zn 202.548	538.218	ug/L	0.352431	0.1	12536.2	89.70300
Zr 339.198	3.17440	ug/L	0.335562	10.6	187.598	-

Metals Worksheet

Batch Number: 360-48947
Method: 3010A
Analyst: Burton, Teresa F

Date Open: Sep 15 2009 8:35AM
Batch End: Sep 15 2009 11:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-48947/1		3010A, 6010B		50 mL	50 mL		
LCS~360-48947/2		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL
LCSD~360-48947/3		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL
360-24582-F-4	OC-EBK-010	3010A, 6010B	T	50 mL	50 mL		
360-24582-F-4~DU		3010A, 6010B	T	50 mL	50 mL		
360-24582-F-4~MS		3010A, 6010B	T	50 mL	50 mL	0.5 mL	0.5 mL
LB~360-48940/1-A				50 mL	50 mL		
360-24507-A-2-A	R01090507BE-0418 LEAD08-012		E	50 mL	50 mL		
360-24507-A-2-B~MS			E	50 mL	50 mL		
LB~360-48915/1-A				50 mL	50 mL		
360-24558-A-8-A	R01090507BE- 0426 LEAD013		P	50 mL	50 mL		
360-24558-A-9-A	R01090507BE- 0427 LEAD014		P	50 mL	50 mL		
360-24494-A-3-A	BFP Sludge # 3		P	50 mL	50 mL		
360-24494-A-3-B~MS			P	50 mL	50 mL		

Lot # of hydrochloric acid: 432372
Lot # of Nitric Acid: 432376
Hot Block ID number: 2
Oven, Bath or Block Temperature 1: 95 Degrees C

Metals Worksheet

Batch Number: 360-49066
Method: 7470A
Analyst: Burton, Teresa F

Date Open: Sep 17 2009 8:12AM
Batch End: Sep 17 2009 10:40AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00516
MB~360-49066/1		7470A, 7470A		10 mL	10 mL	
LCS~360-49066/2		7470A, 7470A		10 mL	10 mL	50 uL
LCSD~360-49066/3		7470A, 7470A		10 mL	10 mL	50 uL
360-24582-F-4	OC-EBK-010	7470A, 7470A	T	10 mL	10 mL	
360-24582-F-4~DU		7470A, 7470A	T	10 mL	10 mL	
360-24582-F-4~MS		7470A, 7470A	T	10 mL	10 mL	50 uL
360-24633-F-1	MW-1		D	10 mL	10 mL	
360-24633-F-2	MW-6		D	10 mL	10 mL	
360-24633-F-3	MW-7B		D	10 mL	10 mL	
360-24633-F-4	MW-7S		D	10 mL	10 mL	
360-24633-F-5	MW-8		D	10 mL	10 mL	
360-24633-F-6	MW-9		D	10 mL	10 mL	
360-24633-F-7	MW-11B		D	10 mL	10 mL	
360-24633-F-9	MW-11S		D	10 mL	10 mL	
360-24633-F-10	MW-12		D	10 mL	10 mL	
360-24633-F-11	SW-2		T	10 mL	10 mL	
360-24634-H-18	OC-EBK-011		T	10 mL	10 mL	
LB~360-48915/1-A				2.5 mL	10 mL	
360-24494-A-3-A	BFP Sludge # 3		P	2.5 mL	10 mL	
360-24494-A-3-B~MS			P	1.0 mL	10 mL	

Oven, Bath or Block Temperature 1:	95 Celsius
Hood ID or number:	1
Lot # of Nitric Acid:	432376
Sulfuric Acid Lot Number:	186442
Potassium Permanganate Lot Number:	425795

Metals Worksheet

Batch Number: 360-49128
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 18 2009 7:14AM
Batch End: Sep 18 2009 12:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49128/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49128/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49128/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24582-A-22	OC-SS-416-0.0/1.0-XXX	3050B, 6010B	T	1.77 g	100 mL		
360-24582-A-22~DU		3050B, 6010B	T	1.79 g	100 mL		
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XMS	3050B, 6010B	T	1.76 g	100 mL	1.0 mL	1.0 mL
360-24582-A-1	OC-SB-457-28/30-XXX	3050B, 6010B	T	1.71 g	100 mL		
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	3050B, 6010B	T	1.53 g	100 mL		
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	3050B, 6010B	T	1.76 g	100 mL		
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	3050B, 6010B	T	1.62 g	100 mL		
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	3050B, 6010B	T	1.54 g	100 mL		
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	3050B, 6010B	T	1.84 g	100 mL		
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	3050B, 6010B	T	1.70 g	100 mL		
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	3050B, 6010B	T	1.66 g	100 mL		
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	3050B, 6010B	T	1.89 g	100 mL		
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	3050B, 6010B	T	1.52 g	100 mL		
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	3050B, 6010B	T	1.57 g	100 mL		
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	3050B, 6010B	T	1.57 g	100 mL		
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	3050B, 6010B	T	1.68 g	100 mL		
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	3050B, 6010B	T	1.68 g	100 mL		
360-24582-A-21	OC-SS-416-0.0/1.0-DUP	3050B, 6010B	T	1.64 g	100 mL		
360-24444-A-4	OC-SB-462-31/33-XXX		T	1.97 g	100 mL		
360-24444-A-7	OC-SB-467-30/32-XXX		T	1.65 g	100 mL		
360-24444-A-13	OC-SB-459-26/28-XXX		T	1.88 g	100 mL		
360-24611-A-1	CTI Agricycle Week Ending 9/11/09		T	1.58 g	100 mL		

Metals Worksheet

Batch Number: 360-49128

Method: 3050B

Analyst: Burton, Teresa F

Date Open: Sep 18 2009 7:14AM

Batch End: Sep 18 2009 12:00PM

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	432372
Lot # of Nitric Acid:	432376
Logbook ID for diluted Nitric:	433275
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Metals Worksheet

Batch Number: 360-49130
Method: 7471A
Analyst: Burton, Teresa F

Date Open: Sep 17 2009 4:01PM
Batch End: Sep 18 2009 10:30AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00516
MB~360-49130/1		7471A, 7471A		0.2 g	50 mL	
LCS~360-49130/2		7471A, 7471A		0.2 g	50 mL	250 uL
LCSD~360-49130/3		7471A, 7471A		0.2 g	50 mL	250 uL
360-24582-A-22	OC-SS-416-0.0/1.0-XXX	7471A, 7471A	T	0.23 g	50 mL	
360-24582-A-22~DU		7471A, 7471A	T	0.23 g	50 mL	
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XMS	7471A, 7471A	T	0.22 g	50 mL	250 uL
360-24582-A-1	OC-SB-457-28/30-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	7471A, 7471A	T	0.23 g	50 mL	
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	7471A, 7471A	T	0.23 g	50 mL	
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	7471A, 7471A	T	0.20 g	50 mL	
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	7471A, 7471A	T	0.21 g	50 mL	
360-24582-A-21	OC-SS-416-0.0/1.0-DUP	7471A, 7471A	T	0.27 g	50 mL	

Hood ID or number:	1
Balance ID:	37037
Lot # of Nitric Acid:	432376
Lot # of hydrochloric acid:	432372
Potassium Permanganate Lot Number:	425795
Oven, Bath or Block Temperature 1:	95

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG No.: OCRI-15

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-457-28/30-XXX	360-24582-1
OC-EBK-010	360-24582-4
OC-SS-400-0.0/1.0-XXX	360-24582-5
OC-SS-401-0.1/1.0-XXX	360-24582-6
OC-SS-402-0.0/1.0-XXX	360-24582-7
OC-SS-403-0.0/1.0-XXX	360-24582-8
OC-SS-404-0.0/1.0-XXX	360-24582-9
OC-SS-405-0.0/1.0-XXX	360-24582-10
OC-SS-406-0.0/1.0.-XXX	360-24582-11
OC-SS-407-0.0/1.0-XXX	360-24582-12
OC-SS-408-0.0/1.0-XXX	360-24582-13
OC-SS-409-0.0/1.0-XXX	360-24582-14
OC-SS-410-0.0/1.0-XXX	360-24582-15
OC-SS-411-0.0/1.0-XXX	360-24582-16
OC-SS-412-0.0/1.0-XXX	360-24582-17
OC-SS-413-0.0/1.0-XXX	360-24582-18
OC-SS-414-0.0/1.0-XXX	360-24582-19
OC-SS-415-0.0/1.0-XXX	360-24582-20
OC-SS-416-0.0/1.0-DUP	360-24582-21
OC-SS-416-0.0/1.0-XXX	360-24582-22

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-24582-1

SDG No.: OCRI-15

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-457-28/30-XXX	360-24582-3
OC-SS-416-0.0/1.0-DUP	360-24582-24
OC-SS-416-0.0/1.0-XXX	360-24582-25

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-1
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: DRY
Date Received: 09/14/2009 17:50
% Solids: 78.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	130	7.4		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-1
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: DRY
Date Received: 09/14/2009 17:50
% Solids: 78.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	210	51		mg/Kg			1	300.0
16887-00-6	Chloride	ND	25		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-EBK-010
Lab Sample ID: 360-24582-4
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Water
Date Sampled: 09/14/2009 13:00
Reporting Basis: WET
Date Received: 09/14/2009 17:50

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	2.0		mg/L			1	300.0
16887-00-6	Chloride	ND	1.0		mg/L			1	300.0
7664-41-7	Ammonia	ND	0.10		mg/L			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-400-0.0/1.0-XXX
Lab Sample ID: 360-24582-5
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 14:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 75.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	240	8.6		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-400-0.0/1.0-XXX
Lab Sample ID: 360-24582-5
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 14:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 75.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	52		mg/Kg			1	300.0
16887-00-6	Chloride	ND	26		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-401-0.1/1.0-XXX
Lab Sample ID: 360-24582-6
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	83	7.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-401-0.1/1.0-XXX
Lab Sample ID: 360-24582-6
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	42		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-402-0.0/1.0-XXX
Lab Sample ID: 360-24582-7
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	270	8.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-402-0.0/1.0-XXX
Lab Sample ID: 360-24582-7
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 15:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	54		mg/Kg			1	300.0
16887-00-6	Chloride	ND	27		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-404-0.0/1.0-XXX
Lab Sample ID: 360-24582-9
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:10
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	50	6.9		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-404-0.0/1.0-XXX
Lab Sample ID: 360-24582-9
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:10
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-405-0.0/1.0-XXX
Lab Sample ID: 360-24582-10
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	40	6.4		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-405-0.0/1.0-XXX
Lab Sample ID: 360-24582-10
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 16:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-406-0.0/1.0.-XXX
Lab Sample ID: 360-24582-11
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 08:35
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	200	8.1		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-406-0.0/1.0.-XXX
Lab Sample ID: 360-24582-11
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 08:35
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 74.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	53		mg/Kg			1	300.0
16887-00-6	Chloride	ND	27		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-407-0.0/1.0-XXX
Lab Sample ID: 360-24582-12
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 89.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	77	5.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-407-0.0/1.0-XXX
Lab Sample ID: 360-24582-12
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:05
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 89.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	45		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-408-0.0/1.0-XXX
Lab Sample ID: 360-24582-13
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 84.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	100	6.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-408-0.0/1.0-XXX
Lab Sample ID: 360-24582-13
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 09:30
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 84.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	47		mg/Kg			1	300.0
16887-00-6	Chloride	ND	24		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-409-0.0/1.0-XXX
Lab Sample ID: 360-24582-14
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:00
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 96.3

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	36	7.1		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-409-0.0/1.0-XXX
Lab Sample ID: 360-24582-14
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:00
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 96.3

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	41		mg/Kg			1	300.0
16887-00-6	Chloride	ND	20		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-411-0.0/1.0-XXX
Lab Sample ID: 360-24582-16
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 41.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	810	16		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-411-0.0/1.0-XXX
Lab Sample ID: 360-24582-16
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 10:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 41.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	97		mg/Kg			1	300.0
16887-00-6	Chloride	ND	48		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-412-0.0/1.0-XXX
Lab Sample ID: 360-24582-17
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:20
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	64	6.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-412-0.0/1.0-XXX
Lab Sample ID: 360-24582-17
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:20
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-414-0.0/1.0-XXX
Lab Sample ID: 360-24582-19
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	50	6.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-414-0.0/1.0-XXX
Lab Sample ID: 360-24582-19
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 11:55
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 93.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-415-0.0/1.0-XXX
Lab Sample ID: 360-24582-20
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:15
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 42.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	670	14		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-415-0.0/1.0-XXX
Lab Sample ID: 360-24582-20
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:15
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 42.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	94		mg/Kg			1	300.0
16887-00-6	Chloride	55	47		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-21
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	51	7.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-21
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-22
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	41	6.7		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-22
Lab Name: TestAmerica Westfield
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-3
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: DRY
Date Received: 09/14/2009 17:50
% Solids: 90.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	11	2.2	1.6	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-3
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: WET
Date Received: 09/14/2009 17:50

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	7.77			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-457-28/30-XXX
Lab Sample ID: 360-24582-3
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/14/2009 11:30
Reporting Basis: WET
Date Received: 09/14/2009 17:50

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	370			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-24
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 73.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	6.4	2.8	2.0	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-24
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: WET
Date Received: 09/15/2009 16:40

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.24			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-416-0.0/1.0-DUP
Lab Sample ID: 360-24582-24
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: WET
Date Received: 09/15/2009 16:40

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	520			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-25
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: DRY
Date Received: 09/15/2009 16:40
% Solids: 91.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	7.3	2.2	1.6	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-25
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: WET
Date Received: 09/15/2009 16:40

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.38			SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SS-416-0.0/1.0-XXX
Lab Sample ID: 360-24582-25
Lab Name: TestAmerica Edison
Job No.: 360-24582-1
SDG ID.: OCRI-15
Matrix: Solid
Date Sampled: 09/15/2009 12:40
Reporting Basis: WET
Date Received: 09/15/2009 16:40

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	290			millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: ALL Batch Start Date: 09/21/2009

Reporting Units: mg/L Analytical Batch No.: 49301

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:16	Sulfate	53.2	50.0	106	90-110		W9DICV001_00001
			Chloride	26.5	25.0	106	90-110		W9DICV001_00001
2	ICB	09:31	Sulfate	ND					
			Chloride	ND					
7	CCV	22:21	Sulfate	82.8	80.0	103	90-110		W09HLCS001_00001
			Chloride	41.4	40.0	104	90-110		W09HLCS001_00001
8	CCB	22:36	Sulfate	ND					
			Chloride	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: ALL Batch Start Date: 09/25/2009

Reporting Units: mg/L Analytical Batch No.: 49554

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:47	Sulfate	51.2	50.0	102	90-110		W9DICV001_00001
			Chloride	26.2	25.0	105	90-110		W9DICV001_00001
2	ICB	11:02	Sulfate	ND					
			Chloride	ND					
11	CCV	17:19	Sulfate	82.0	80.0	103	90-110		W09HLCS001_00001
			Chloride	41.4	40.0	104	90-110		W09HLCS001_00001
12	CCB	17:34	Sulfate	ND					
			Chloride	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: ALL Batch Start Date: 09/25/2009

Reporting Units: mg/L Analytical Batch No.: 49555

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:47	Sulfate	51.2	50.0	102	90-110		W9DICV001_00003
			Chloride	26.2	25.0	105	90-110		W9DICV001_00003
2	ICB	11:02	Sulfate	ND					
			Chloride	ND					
14	CCV	20:35	Sulfate	81.7	80.0	102	90-110		W09HLCS001_00001
			Chloride	41.4	40.0	104	90-110		W09HLCS001_00001
15	CCB	20:50	Sulfate	ND					
			Chloride	ND					
19	CCV	23:51	Sulfate	82.5	80.0	103	90-110		W09HLCS001_00001
			Chloride	41.6	40.0	104	90-110		W09HLCS001_00001
20	CCB	00:06	Sulfate	ND					
			Chloride	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: ALL Batch Start Date: 09/22/2009

Reporting Units: mg/L Analytical Batch No.: 49292

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:51	Ammonia	10.2	10.0	102	90-110		W08GSTK002_00001
2	ICB	08:52	Ammonia	ND					
13	CCV	09:25	Ammonia	7.95	8.00	99	90-110		W08CSTK004_00001
14	CCB	09:26	Ammonia	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: ALL Batch Start Date: 09/23/2009

Reporting Units: mg/L Analytical Batch No.: 49363

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:47	Ammonia	10.4	10.0	104	90-110		W08GSTK002_00001
2	ICB	13:48	Ammonia	ND					
13	CCV	13:59	Ammonia	2.09	2.00	104	90-110		W09ISTK003_00001
14	CCB	14:00	Ammonia	ND					
25	CCV	14:10	Ammonia	2.16	2.00	108	90-110		W09ISTK003_00001
26	CCB	14:11	Ammonia	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: LE Batch Start Date: 09/24/2009

Reporting Units: ug/L Analytical Batch No.: 17979

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	15:07	Cr (VI)	26.3	25.0	105	90-110		WThcrIM6_00036
7	ICB	15:14	Cr (VI)	0.612				J	
54	CCV	21:06	Cr (VI)	26.5	25.0	106	90-110		WThcrIM6_00036
55	CCB	21:14	Cr (VI)	0.624				J	
66	CCV	22:35	Cr (VI)	26.7	25.0	107	90-110		WThcrIM6_00036
67	CCB	22:42	Cr (VI)	ND					
80	CCV	00:18	Cr (VI)	26.2	25.0	105	90-110		WThcrIM6_00036
81	CCB	00:25	Cr (VI)	ND					
92	CCV	01:45	Cr (VI)	27.0	25.0	108	90-110		WThcrIM6_00036
93	CCB	01:52	Cr (VI)	0.565				J	
100	CCV	02:44	Cr (VI)	27.1	25.0	108	90-110		WThcrIM6_00036
101	CCB	02:51	Cr (VI)	0.825				J	

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: MB Batch Start Date: 09/18/2009

Reporting Units: SU Analytical Batch No.: 17510

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	CCV	18:48	pH	7.010	7.00	100	99-101		WTpHCCV_00004

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: MB Batch Start Date: 09/21/2009

Reporting Units: SU Analytical Batch No.: 17548

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	19:26	pH	6.960	7.00	99	99-101		WTpHCCV_00004

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: MB Batch Start Date: 09/16/2009

Reporting Units: millivolts Analytical Batch No.: 17161

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	CCV	18:15	Oxidation Reduction Potential	675	679	99	98-102		WTredoxLCS_00001

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Analyst: MB Batch Start Date: 09/21/2009

Reporting Units: millivolts Analytical Batch No.: 17544

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCV	17:00	Oxidation Reduction Potential	679	679	100	98-102		WTredoxLCS_00001
12	CCV	17:21	Oxidation Reduction Potential	681	679	100	98-102		WTredoxLCS_00001
21	CCV	17:38	Oxidation Reduction Potential	681	679	100	98-102		WTredoxLCS_00001

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 49301	Date: 09/21/2009 16:19						
300.0	MB 360-49301/3	Sulfate	ND		mg/L	2.0	1
300.0	MB 360-49301/3	Chloride	ND		mg/L	1.0	1
Batch ID: 49554	Date: 09/25/2009 11:17						
300.0	MB 360-49375/1-A	Sulfate	ND		mg/Kg	4.0	1
300.0	MB 360-49375/1-A	Chloride	ND		mg/Kg	2.0	1
Batch ID: 49555	Date: 09/25/2009 17:49						
300.0	MB 360-49375/1-A	Sulfate	ND		mg/Kg	4.0	1
300.0	MB 360-49375/1-A	Chloride	ND		mg/Kg	2.0	1
Batch ID: 49292	Date: 09/22/2009 09:16	Prep Batch: 49242	Date: 09/21/2009 14:13				
L107-06-1B	MB 360-49242/1-A	Ammonia	ND		mg/L	0.10	1
Batch ID: 49363	Date: 09/23/2009 13:49	Prep Batch: 49360	Date: 09/23/2009 11:17				
L107-06-1B	MB 360-49360/1-A	Ammonia	ND		mg/Kg	0.10	1

FORM III-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 17979	Date: 09/24/2009 22:05	Prep Batch: 17585	Date: 09/22/2009 09:40				
7199	MB 460-17585/1-A ^10	Chromium (hexavalent)	ND		mg/Kg	2.0	10
Batch ID: 17510	Date: 09/18/2009 18:43						
9045C	MB 460-17510/1	pH	6.030		SU		1
Batch ID: 17548	Date: 09/21/2009 16:15						
9045C	MB 460-17548/1	pH	6.220		SU		1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 49555	Date: 09/25/2009 21:50										
300.0	360-24582-22	Sulfate	ND		mg/Kg						
300.0	360-24582-22 MS	Sulfate	226		mg/Kg	217	104	75-125			
300.0	360-24582-22	Chloride	ND		mg/Kg						
300.0	360-24582-22 MS	Chloride	115		mg/Kg	108	106	75-125			
Batch ID: 49363	Date: 09/23/2009 14:09	Prep Batch: 49360	Date: 09/23/2009 11:17								
L107-06 -1B	360-24582-22	Ammonia	41		mg/Kg						
L107-06 -1B	360-24582-22 MS	Ammonia	745		mg/Kg	721	98	75-125			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 49555	Date: 09/25/2009 22:05										
300.0	360-24582-22 MSD	Sulfate	227		mg/Kg	217	105	75-125	0	20	
300.0	360-24582-22 MSD	Chloride	115		mg/Kg	108	106	75-125	0	20	
Batch ID: 49363	Date: 09/23/2009 14:10	Prep Batch: 49360	Date: 09/23/2009 11:17								
L107-06 -1B	360-24582-22 MSD	Ammonia	821		mg/Kg	712	110	75-125	10	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17979	Date: 09/24/2009 23:48		Prep Batch: 17585			Date: 09/22/2009 09:40					
7199	360-24582-25	Chromium (hexavalent)	7.3		mg/Kg						
7199	360-24582-25 MS	Chromium (hexavalent)	49.3		mg/Kg	46.7	90	75-125			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE INSOLUBLE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17979	Date: 09/25/2009 00:10		Prep Batch: 17585			Date: 09/22/2009 09:40					
7199	360-24582-25	Chromium (hexavalent)	7.3		mg/Kg						
7199	360-24582-25 MSI	Chromium (hexavalent)	763		mg/Kg	773	98	75-125			
Batch ID: 17979	Date: 09/25/2009 02:36		Prep Batch: 17585			Date: 09/22/2009 09:40					
7199	360-24582-25	Chromium (hexavalent)	7.3		mg/Kg						
7199	360-24582-25 PDS	Chromium (hexavalent)	50.1		mg/Kg	43.7	98	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 17979	Date: 09/24/2009 23:34		Prep Batch: 17585	Date: 09/22/2009 09:40				
7199	OC-SS-416-0.0/1.0-XXX	360-24582-25	Chromium (hexavalent)	7.3	mg/Kg			
7199	OC-SS-416-0.0/1.0-XXX	360-24582-25 DU	Chromium (hexavalent)	7.38	mg/Kg	1	20	
Batch ID: 17510	Date: 09/18/2009 18:46							
9045C	OC-SS-416-0.0/1.0-XXX	360-24582-25	pH	6.38	SU			
9045C	OC-SS-416-0.0/1.0-XXX	360-24582-25 DU	pH	6.320	SU	1	10	
Batch ID: 17548	Date: 09/21/2009 16:18							
9045C	OC-SB-457-28/30-XXX	360-24582-3	pH	7.77	SU			
9045C	OC-SB-457-28/30-XXX	360-24582-3 DU	pH	7.780	SU	0	10	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 49554	Date: 09/25/2009 11:33										
						LCS Source:	W09HLCS001_00001				
300.0	LCS 360-49375/2-A	Sulfate	80.5		mg/Kg	80.0	101	85-115			
300.0	LCS 360-49375/2-A	Chloride	41.5		mg/Kg	40.0	104	85-115			
Batch ID: 49555	Date: 09/25/2009 18:05										
						LCS Source:	W09HLCS001_00001				
300.0	LCS 360-49375/2-A	Sulfate	82.3		mg/Kg	80.0	103	85-115			
300.0	LCS 360-49375/2-A	Chloride	41.4		mg/Kg	40.0	103	85-115			
Batch ID: 49363	Date: 09/23/2009 13:50	Prep Batch: 49360	Date: 09/23/2009 11:17								
						LCS Source:	W09ISTK003_00001				
L107-06 -1B	LCS 360-49360/2-A	Ammonia	9.66		mg/Kg	10.0	97	85-115			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 49301	Date: 09/21/2009 16:34										
						LCS Source:	W09HLCS001_00001				
300.0	LCS 360-49301/4	Sulfate	82.8		mg/L	80.0	104	85-115			
300.0	LCS 360-49301/4	Chloride	41.5		mg/L	40.0	104	85-115			
Batch ID: 49292	Date: 09/22/2009 09:17	Prep Batch: 49242				Date: 09/21/2009 14:13					
						LCS Source:	W08CSTK004_00001				
L107-06 -1B	LCS 360-49242/2-A	Ammonia	9.34		mg/L	10.0	93	85-115			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17979		Date: 09/24/2009 22:27	Prep Batch: 17585			Date: 09/22/2009 09:40					
						LCS Source: WThcrsLCS_00007					
7199	LCS 460-17585/2-A ^25	Chromium (hexavalent)	20.7		mg/Kg	21.2	97	85-115			
Batch ID: 17510		Date: 09/18/2009 18:44									
						LCS Source: WTpHLCS_00003					
9045C	LCS 460-17510/2	pH	8.580		SU	8.57	100	95-105			
Batch ID: 17548		Date: 09/21/2009 16:16									
						LCS Source: WTpHLCS_00003					
9045C	LCS 460-17548/2	pH	8.540		SU	8.57	100	95-105			
Batch ID: 17544		Date: 09/21/2009 16:50									
						LCS Source: WTredoxLCS_00001					
SM 2580B	LCS 460-17544/1	Oxidation Reduction Potential	687		millivolts	679	101	98-102			

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

FORM VIIA-IN

7A-IN
LCS-STANDARD REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17979		Date: 09/24/2009 22:57	Prep Batch: 17585			Date: 09/22/2009 09:40					
						LCS Source: WThcrLCSSRM_00001					
7199	LCSSRM 460-17585/3-A ^100	Chromium (hexavalent)	96.9		mg/Kg	100	97	70.6-130			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE INSOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17979	Date: 09/24/2009 23:12		Prep Batch: 17585			Date: 09/22/2009 09:40					
						LCS Source: WThcrPbCr_00002					
7199	LCSI 460-17585/4-A ^500	Chromium (hexavalent)	727		mg/Kg	708	103	80-120			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Water Instrument ID: NOEQUIP

Analysis Method: 300.0 RL Date: 03/01/2006 10:16

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	
Chloride		1	
Sulfate		2	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: 300.0 RL Date: 04/01/2005 10:06

Prep Method:

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Chloride		20	
Sulfate		40	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 04/01/2005 17:54

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: L107-06-1B RL Date: 08/01/2005 13:28

Prep Method: Distill/Ammonia

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Ammonia		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Water Instrument ID: NOEQUIP

Analysis Method: L107-06-1B RL Date: 04/25/2005 10:37

Prep Method: Distill/Ammonia

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	
Ammonia		0.1	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: IC

Analysis Method: 7199 MDL Date: 12/22/2008 11:16

Prep Method: 3060A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Chromium (hexavalent)		0.2	0.145

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-24582-1

SDG Number: OCRI-15

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 02/15/2007 17:07

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

FORM IX - IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-49242/1-A	09/21/2009 14:13	49242		1.0	50
LCS 360-49242/2-A	09/21/2009 14:13	49242		1.0	50
360-24582-4	09/21/2009 14:13	49242		1.0	50

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-49360/1-A	09/23/2009 11:17	49360		1.0	50
LCS 360-49360/2-A	09/23/2009 11:17	49360		1.0	50
360-24582-1	09/23/2009 11:17	49360		0.87	50
360-24582-5	09/23/2009 11:17	49360		0.77	50
360-24582-6	09/23/2009 11:17	49360		0.74	50
360-24582-7	09/23/2009 11:17	49360		0.81	50
360-24582-9	09/23/2009 11:17	49360		0.79	50
360-24582-10	09/23/2009 11:17	49360		0.84	50
360-24582-11	09/23/2009 11:17	49360		0.83	50
360-24582-12	09/23/2009 11:17	49360		0.97	50
360-24582-13	09/23/2009 11:17	49360		0.88	50
360-24582-14	09/23/2009 11:17	49360		0.73	50
360-24582-16	09/23/2009 11:17	49360		0.76	50
360-24582-17	09/23/2009 11:17	49360		0.86	50
360-24582-19	09/23/2009 11:17	49360		0.85	50
360-24582-20	09/23/2009 11:17	49360		0.84	50
360-24582-21	09/23/2009 11:17	49360		0.76	50
360-24582-22	09/23/2009 11:17	49360		0.82	50
360-24582-22 MS	09/23/2009 11:17	49360		0.76	50
360-24582-22 MSD	09/23/2009 11:17	49360		0.77	50

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-17585/1-A ^10	09/22/2009 09:40	17585	2.50		100
LCS 460-17585/2-A ^25	09/22/2009 09:40	17585	2.50		100
LCSSRM 460-17585/3-A ^100	09/22/2009 09:40	17585	2.50		100
LCSI 460-17585/4-A ^500	09/22/2009 09:40	17585	2.50		100
360-24582-25	09/22/2009 09:40	17585	2.50		100
360-24582-25 DU	09/22/2009 09:40	17585	2.50		100
360-24582-25 MS	09/22/2009 09:40	17585	2.50		100
360-24582-25 MSI	09/22/2009 09:40	17585	2.50		100
360-24582-3	09/22/2009 09:40	17585	2.46		100
360-24582-24	09/22/2009 09:40	17585	2.44		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: 300.0

Start Date: 09/21/2009 09:16 End Date: 09/21/2009 22:36

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ICV 360-49301/1	1		09:16	X	X																		
ICB 360-49301/2	1		09:31	X	X																		
MB 360-49301/3	1	T	16:19	X	X																		
LCS 360-49301/4	1	T	16:34	X	X																		
360-24582-4	1	T	21:51	X	X																		
ZZZZZZ			22:06																				
CCV 360-49301/7	1		22:21	X	X																		
CCB 360-49301/8	1		22:36	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: 300.0

Start Date: 09/25/2009 10:47 End Date: 09/25/2009 17:34

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ICV 360-49554/1	1		10:47	X	X																		
ICB 360-49554/2	1		11:02	X	X																		
MB 360-49375/1-A	1	S	11:17	X	X																		
LCS 360-49375/2-A	1	S	11:33	X	X																		
360-24582-1	1	S	15:49	X	X																		
360-24582-5	1	S	16:04	X	X																		
360-24582-6	1	S	16:20	X	X																		
360-24582-7	1	S	16:35	X	X																		
360-24582-9	1	S	16:50	X	X																		
360-24582-10	1	S	17:05	X	X																		
CCV 360-49554/11	1		17:19	X	X																		
CCB 360-49554/12	1		17:34	X	X																		

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: 300.0

Start Date: 09/25/2009 10:47 End Date: 09/26/2009 00:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ICV 360-49555/1	1		10:47	X	X																		
ICB 360-49555/2	1		11:02	X	X																		
MB 360-49375/1-A	1	S	17:49	X	X																		
LCS 360-49375/2-A	1	S	18:05	X	X																		
360-24582-11	1	S	18:20	X	X																		
360-24582-12	1	S	18:35	X	X																		
360-24582-13	1	S	18:51	X	X																		
360-24582-14	1	S	19:05	X	X																		
360-24582-16	1	S	19:19	X	X																		
360-24582-17	1	S	19:34	X	X																		
360-24582-19	1	S	19:49	X	X																		
360-24582-20	1	S	20:05	X	X																		
360-24582-21	1	S	20:20	X	X																		
CCV 360-49555/14	1		20:35	X	X																		
CCB 360-49555/15	1		20:50	X	X																		
360-24582-22	1	S	21:35	X	X																		
360-24582-22 MS	1	S	21:50	X	X																		
360-24582-22 MSD	1	S	22:05	X	X																		
CCV 360-49555/19	1		23:51	X	X																		
CCB 360-49555/20	1		00:06	X	X																		

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/15/2009 16:23 End Date: 09/15/2009 16:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
360-24582-1	1	T	16:23	X	X																		
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/15/2009 16:23 End Date: 09/15/2009 16:28

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/16/2009 13:39 End Date: 09/16/2009 13:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
360-24582-5	1	T	13:39	X	X																		
360-24582-6	1	T	13:39	X	X																		
360-24582-7	1	T	13:39	X	X																		
360-24582-8	1	T	13:39	X	X																		
360-24582-9	1	T	13:39	X	X																		
360-24582-10	1	T	13:39	X	X																		
360-24582-11	1	T	13:39	X	X																		
360-24582-12	1	T	13:39	X	X																		
360-24582-13	1	T	13:39	X	X																		
360-24582-14	1	T	13:39	X	X																		
360-24582-15	1	T	13:39	X	X																		
360-24582-16	1	T	13:39	X	X																		
360-24582-16 DU	1	T	13:39	X	X																		
360-24582-17	1	T	13:39	X	X																		
360-24582-18	1	T	13:39	X	X																		
360-24582-19	1	T	13:39	X	X																		
360-24582-20	1	T	13:39	X	X																		
360-24582-21	1	T	13:39	X	X																		
360-24582-22	1	T	13:39	X	X																		
360-24582-22 MS	1	T	13:39	X	X																		
360-24582-22 MSD	1	T	13:39	X	X																		
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				
ZZZZZZ			13:39																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/16/2009 13:39 End Date: 09/16/2009 13:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			13:39																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: L107-06-1B

Start Date: 09/22/2009 08:51 End Date: 09/22/2009 09:44

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ICV 360-49292/1	1		08:51	X																			
ICB 360-49292/2	1		08:52	X																			
MB 360-49242/1-A	1	T	09:16	X																			
LCS 360-49242/2-A	1	T	09:17	X																			
360-24582-4	1	T	09:20	X																			
CCV 360-49292/13	1		09:25	X																			
CCB 360-49292/14	1		09:26	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: L107-06-1B

Start Date: 09/23/2009 13:47 End Date: 09/23/2009 14:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ICV 360-49363/1	1		13:47	X																			
ICB 360-49363/2	1		13:48	X																			
MB 360-49360/1-A	1	T	13:49	X																			
LCS 360-49360/2-A	1	T	13:50	X																			
360-24582-1	1	T	13:51	X																			
360-24582-5	1	T	13:52	X																			
360-24582-6	1	T	13:53	X																			
360-24582-7	1	T	13:54	X																			
360-24582-9	1	T	13:55	X																			
360-24582-10	1	T	13:56	X																			
360-24582-11	1	T	13:57	X																			
360-24582-12	1	T	13:58	X																			
CCV 360-49363/13	1		13:59	X																			
CCB 360-49363/14	1		14:00	X																			
360-24582-13	1	T	14:01	X																			
360-24582-14	1	T	14:02	X																			
360-24582-16	1	T	14:03	X																			
360-24582-17	1	T	14:04	X																			
360-24582-19	1	T	14:05	X																			
360-24582-20	1	T	14:06	X																			
360-24582-21	1	T	14:07	X																			
360-24582-22	1	T	14:08	X																			
360-24582-22 MS	1	T	14:09	X																			
360-24582-22 MSD	1	T	14:10	X																			
CCV 360-49363/25	1		14:10	X																			
CCB 360-49363/26	1		14:11	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: IC Method: 7199

Start Date: 09/24/2009 14:21 End Date: 09/25/2009 02:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			14:21																				
ZZZZZZ			14:29																				
ZZZZZZ			14:36																				
ZZZZZZ			14:52																				
ZZZZZZ			14:59																				
ICV 460-17979/6	1		15:07	X																			
ICB 460-17979/7	1		15:14	X																			
ZZZZZZ			15:23																				
ZZZZZZ			15:36																				
ZZZZZZ			15:43																				
ZZZZZZ			15:51																				
ZZZZZZ			15:58																				
ZZZZZZ			16:05																				
ZZZZZZ			16:13																				
ZZZZZZ			16:20																				
ZZZZZZ			16:28																				
ZZZZZZ			16:35																				
CCV 460-17979/18			16:42																				
CCB 460-17979/19			16:50																				
ZZZZZZ			16:57																				
ZZZZZZ			17:05																				
ZZZZZZ			17:12																				
ZZZZZZ			17:19																				
ZZZZZZ			17:27																				
ZZZZZZ			17:34																				
ZZZZZZ			17:42																				
ZZZZZZ			17:49																				
ZZZZZZ			17:57																				
ZZZZZZ			18:04																				
CCV 460-17979/30			18:11																				
CCB 460-17979/31			18:19																				
ZZZZZZ			18:26																				
ZZZZZZ			18:33																				
ZZZZZZ			18:41																				
ZZZZZZ			18:48																				
ZZZZZZ			18:55																				
ZZZZZZ			19:03																				
ZZZZZZ			19:10																				
ZZZZZZ			19:17																				
ZZZZZZ			19:24																				
ZZZZZZ			19:32																				
CCV 460-17979/42			19:39																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: IC Method: 7199

Start Date: 09/24/2009 14:21 End Date: 09/25/2009 02:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCB 460-17979/43			19:46																				
ZZZZZZ			19:53																				
ZZZZZZ			20:01																				
ZZZZZZ			20:08																				
ZZZZZZ			20:15																				
ZZZZZZ			20:22																				
ZZZZZZ			20:30																				
ZZZZZZ			20:37																				
ZZZZZZ			20:44																				
ZZZZZZ			20:52																				
ZZZZZZ			20:59																				
CCV 460-17979/54	1		21:06	X																			
CCB 460-17979/55	1		21:14	X																			
ZZZZZZ			21:21																				
ZZZZZZ			21:28																				
ZZZZZZ			21:36																				
ZZZZZZ			21:43																				
ZZZZZZ			21:50																				
ZZZZZZ			21:58																				
MB 460-17585/1-A ^10	10	T	22:05	X																			
ZZZZZZ			22:13																				
ZZZZZZ			22:20																				
LCS 460-17585/2-A ^25	25	T	22:27	X																			
CCV 460-17979/66	1		22:35	X																			
CCB 460-17979/67	1		22:42	X																			
ZZZZZZ			22:50																				
LCSSRM 460-17585/3-A ^100	100	T	22:57	X																			
ZZZZZZ			23:04																				
LCSI 460-17585/4-A ^500	500	T	23:12	X																			
360-24582-25	10	T	23:19	X																			
ZZZZZZ			23:26																				
360-24582-25 DU	10	T	23:34	X																			
ZZZZZZ			23:41																				
360-24582-25 MS	40	T	23:48	X																			
ZZZZZZ			23:56																				
ZZZZZZ			00:03																				
360-24582-25 MSI	500	T	00:10	X																			
CCV 460-17979/80	1		00:18	X																			
CCB 460-17979/81	1		00:25	X																			
360-24582-3	10	T	00:32	X																			
ZZZZZZ			00:39																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: IC Method: 7199

Start Date: 09/24/2009 14:21 End Date: 09/25/2009 02:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
360-24582-24	10	T	00:47	X																			
ZZZZZZ			00:54																				
ZZZZZZ			01:01																				
ZZZZZZ			01:08																				
ZZZZZZ			01:16																				
ZZZZZZ			01:23																				
ZZZZZZ			01:30																				
ZZZZZZ			01:37																				
CCV 460-17979/92	1		01:45	X																			
CCB 460-17979/93	1		01:52	X																			
ZZZZZZ			01:59																				
ZZZZZZ			02:07																				
ZZZZZZ			02:14																				
ZZZZZZ			02:22																				
ZZZZZZ			02:29																				
360-24582-25 PDS	40	T	02:36	X																			
CCV 460-17979/100	1		02:44	X																			
CCB 460-17979/101	1		02:51	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: 9045C

Start Date: 09/18/2009 18:43 End Date: 09/18/2009 18:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
MB 460-17510/1	1	T	18:43	X																			
LCS 460-17510/2	1	T	18:44	X																			
360-24582-25	1	T	18:45	X																			
360-24582-25 DU	1	T	18:46	X																			
360-24582-24	1	T	18:47	X																			
CCV 460-17510/6	1		18:48	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: 9045C

Start Date: 09/21/2009 16:15 End Date: 09/22/2009 11:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
MB 460-17548/1	1	T	16:15	X																			
LCS 460-17548/2	1	T	16:16	X																			
360-24582-3	1	T	16:17	X																			
360-24582-3 DU	1	T	16:18	X																			
ZZZZZZ			16:19																				
ZZZZZZ			19:20																				
ZZZZZZ			19:21																				
ZZZZZZ			19:22																				
ZZZZZZ			19:25																				
CCV 460-17548/11	1		19:26	X																			
ZZZZZZ			11:28																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/17/2009 16:21 End Date: 09/17/2009 23:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			16:33																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/17/2009 16:21 End Date: 09/17/2009 23:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:03																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			17:39																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/17/2009 16:21 End Date: 09/17/2009 23:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:00																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			18:58																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/17/2009 16:21 End Date: 09/17/2009 23:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			22:26																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
360-24582-24	1	T	23:28	X	X																		
360-24582-25	1	T	23:28	X	X																		
360-24582-25MS	1	T	23:28	X	X																		
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				
ZZZZZZ			23:28																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/19/2009 17:32 End Date: 09/19/2009 18:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:32																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/19/2009 17:32 End Date: 09/19/2009 18:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:11																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:42																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/19/2009 17:32 End Date: 09/19/2009 18:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
360-24582-3	1	T	18:59	X	X																		
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				
ZZZZZZ			18:59																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: SM 2580B

Start Date: 09/16/2009 18:03 End Date: 09/16/2009 18:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
360-24582-3	1	S	18:13	X																			
CCV 460-17161/9	1		18:15	X																			

Prep Types

S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-24582-1

SDG No.: OCRI-15

Instrument ID: NOEQUIP Method: SM 2580B

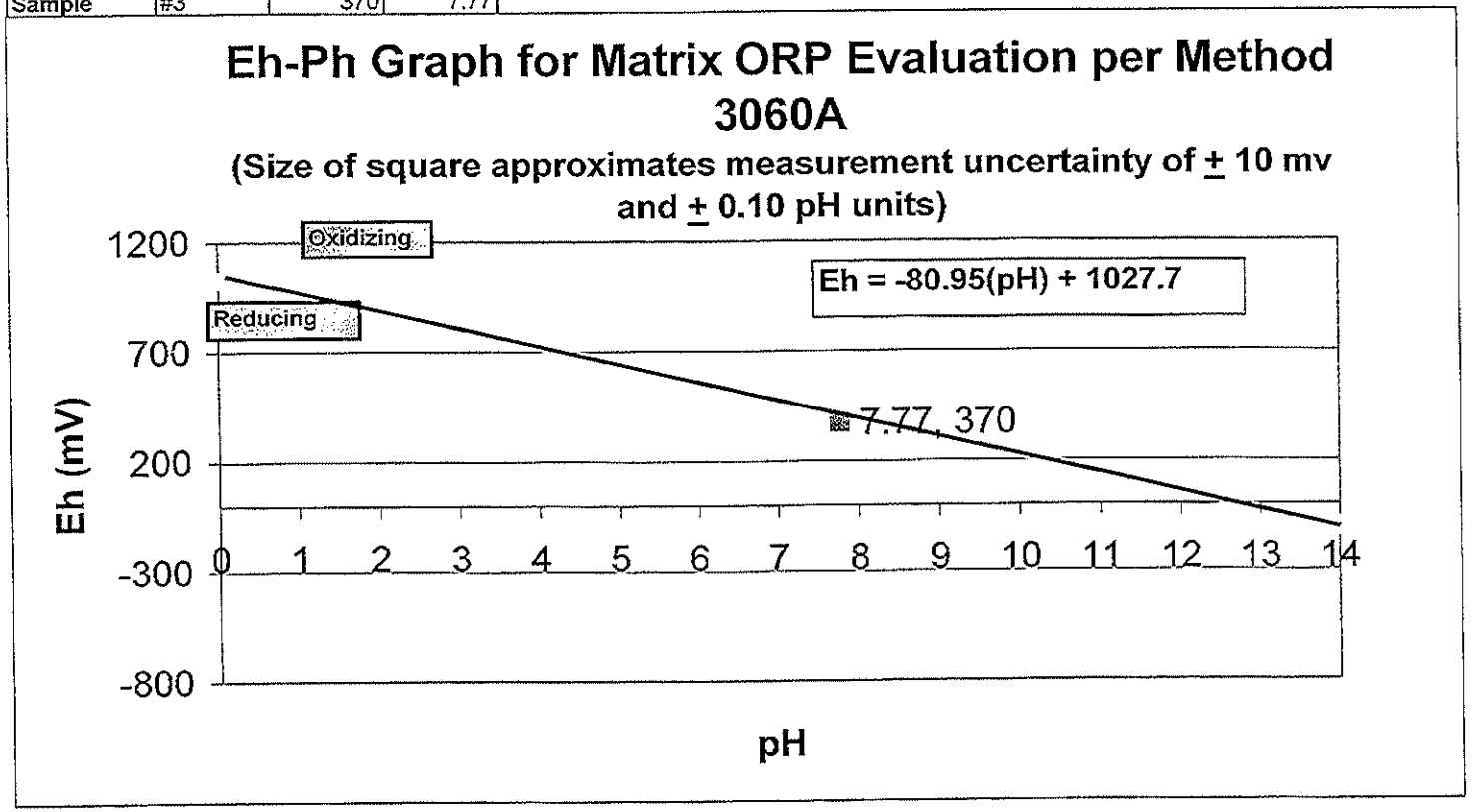
Start Date: 09/21/2009 16:50 End Date: 09/21/2009 17:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
LCS 460-17544/1	1	T	16:50	X																			
CCV 460-17544/2	1		17:00	X																			
CCV 460-17544/12	1		17:21	X																			
360-24582-24	1	S	17:23	X																			
360-24582-25	1	S	17:25	X																			
CCV 460-17544/21	1		17:38	X																			

Prep Types
S = Soluble
T = Total/NA

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID [redacted]

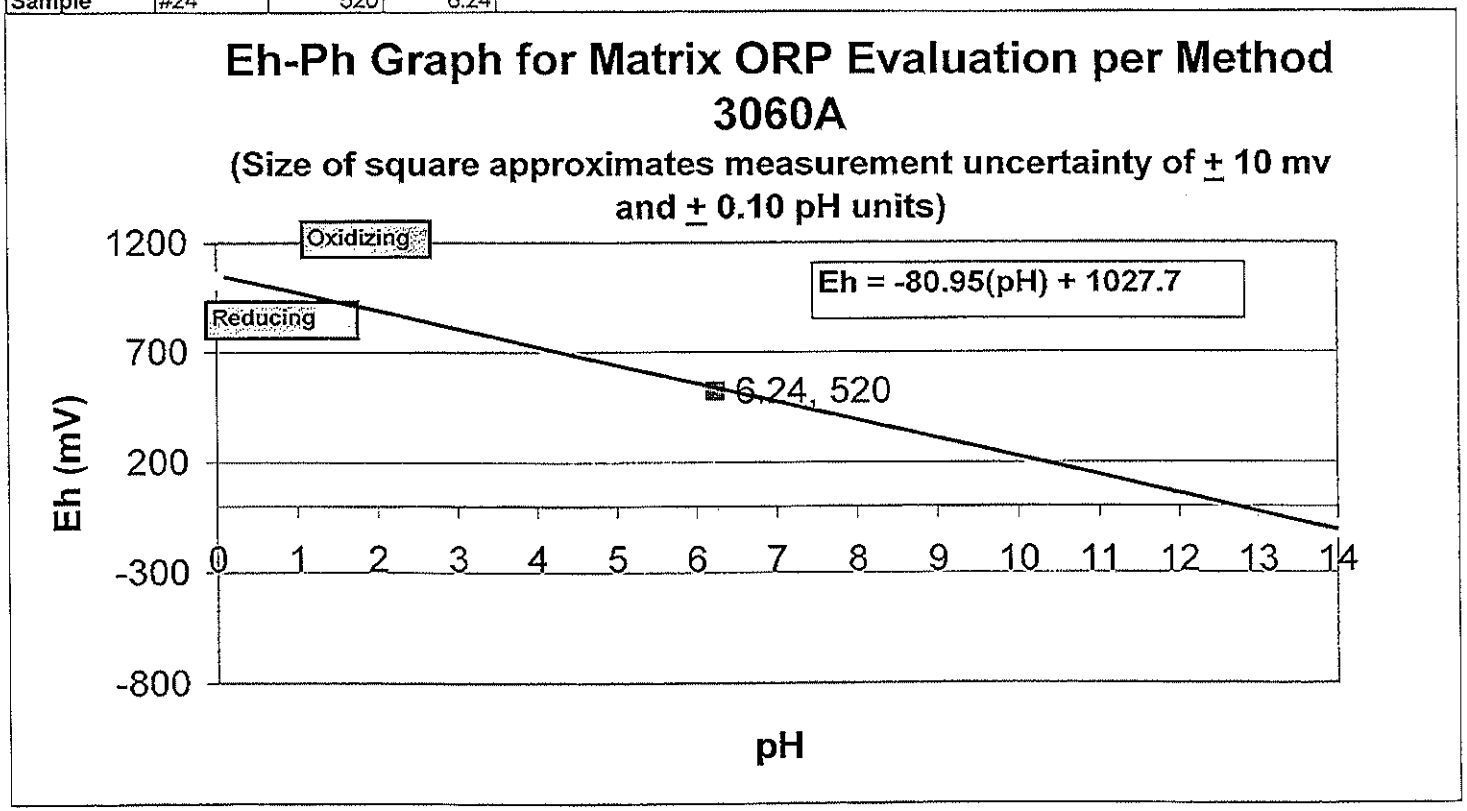
Job	24582	Eh	pH
Sample	#3	370	7.77



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

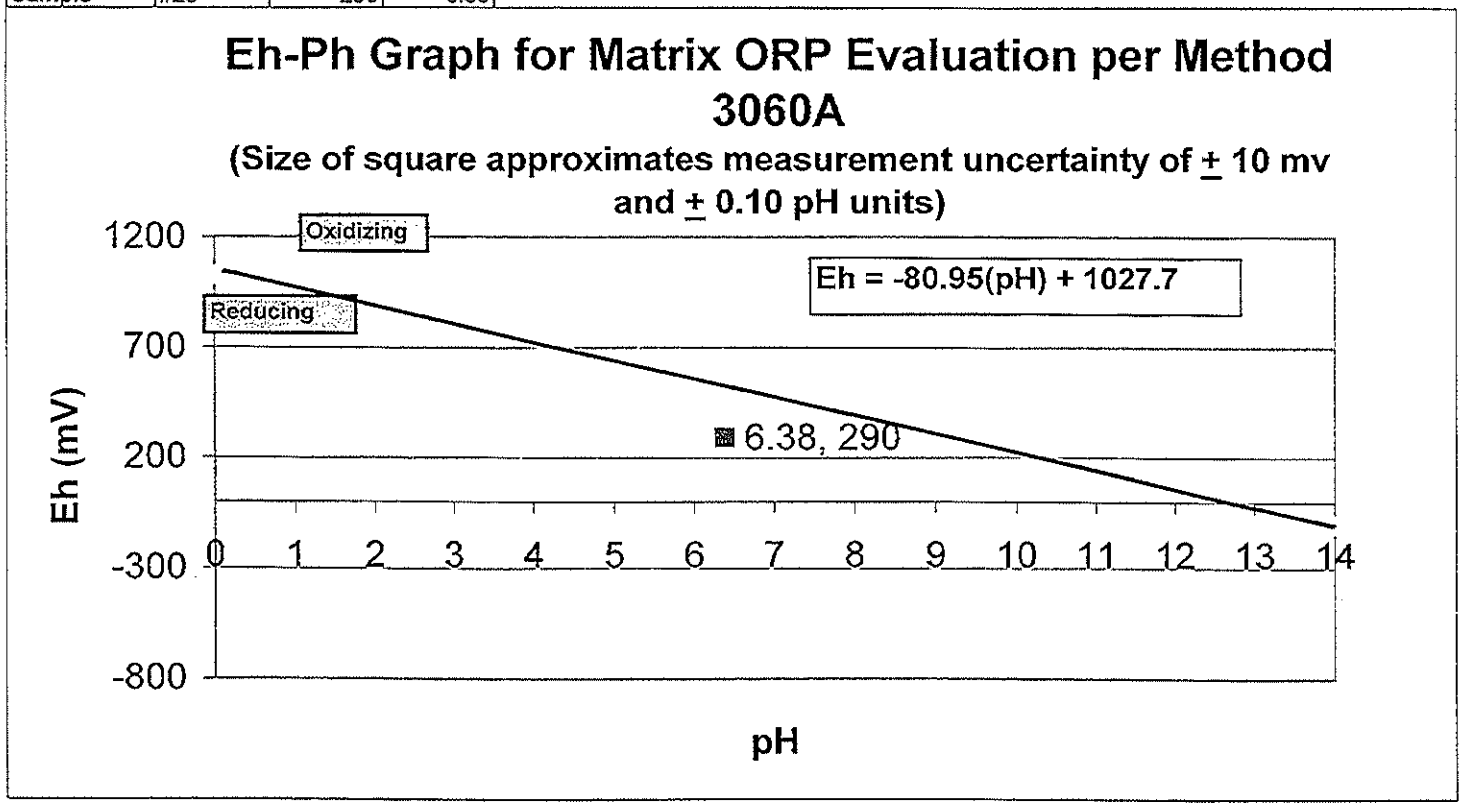
Job	24582	Eh	pH
Sample	#24	520	6.24



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID [redacted]

Job	24582	Eh	pH
Sample	#25	290	6.38



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Report date: 9/25/2009 9:20:53 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 9/24/2009 2:21:59 PM
File: t9241421.chw Last save: 9/24/2009 3:06:05 PM

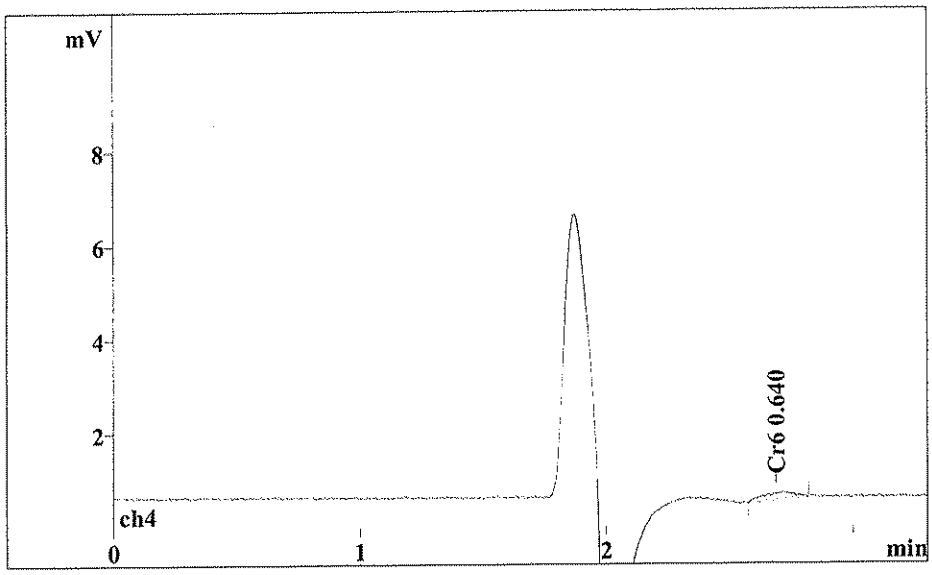
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 9:57:03
Run operator: TestAmerica - Edison
Analysis number: 19120

SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.70;	0.171;	0.14;	93.50;	1.426;	100.00;	0.00;	0.00;	19

Report date: 9/25/2009 9:21:03 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 9/24/2009 2:29:14 PM
File: t9241429.chw Last save: 9/24/2009 3:06:05 PM

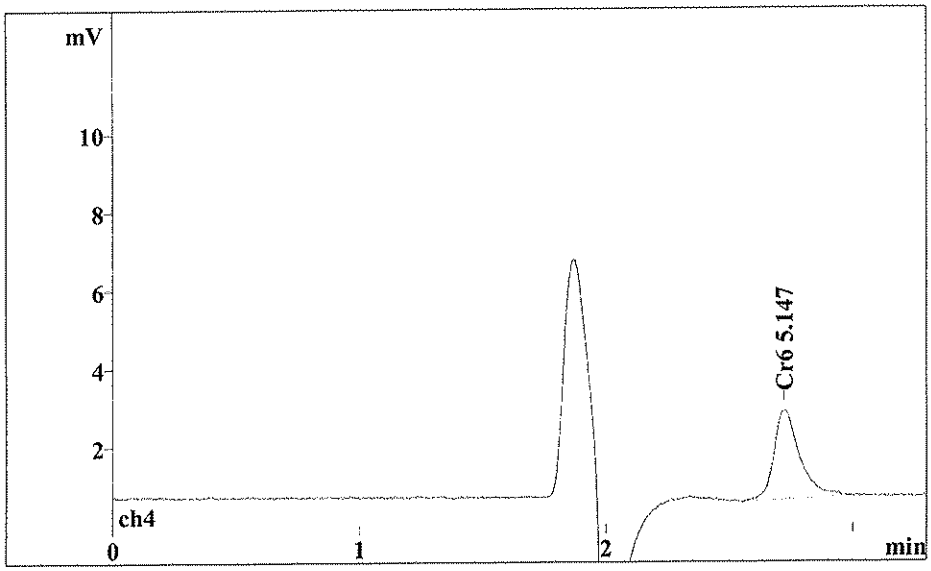
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 9:57:03
Run operator: TestAmerica - Edison
Analysis number: 19121

SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	2.29;	99.74;	16.775;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:21:07 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 9/24/2009 2:36:29 PM
File: t9241436.chw Last save: 9/24/2009 3:06:05 PM

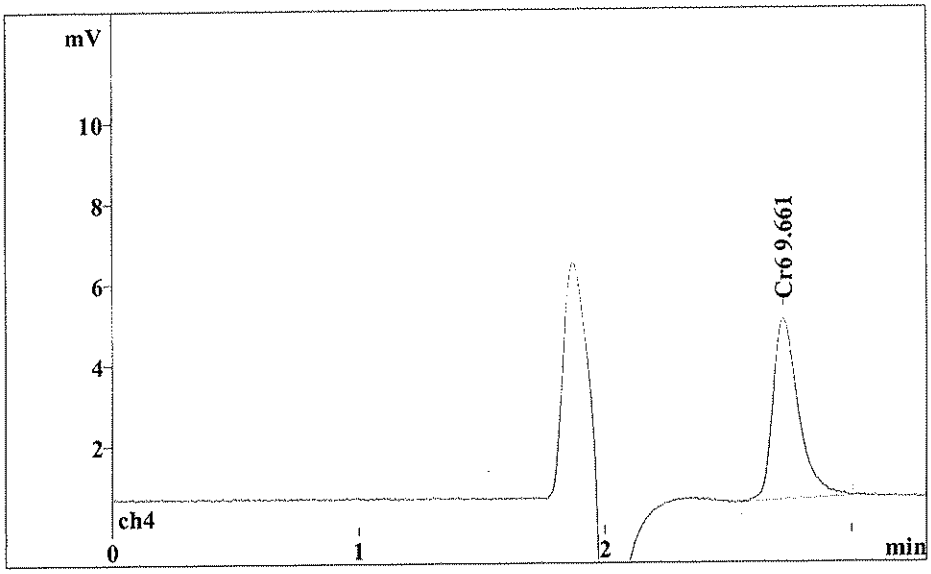
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 9:57:03
Run operator: TestAmerica - Edison
Analysis number: 19122

SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	4.49;	99.92;	32.149;	100.00;	0.00;	0.00;	32

Report date: 9/25/2009 9:21:11 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 9/24/2009 2:52:33 PM
File: t9241452.chw Last save: 9/24/2009 3:06:05 PM

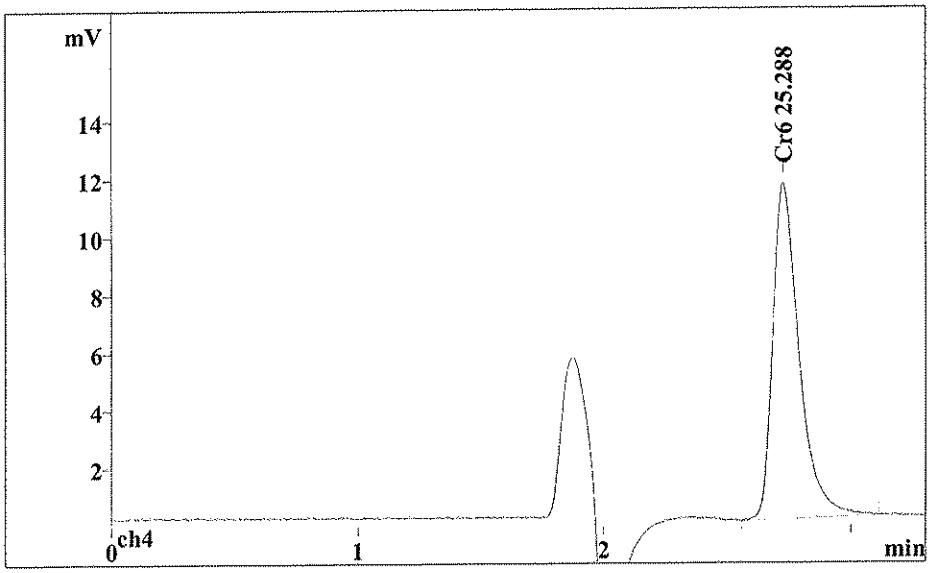
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 9:57:03
Run operator: TestAmerica - Edison
Analysis number: 19123

SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	11.61;	99.97;	85.373;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:21:17 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 9/24/2009 2:59:49 PM
File: t9241459.chw Last save: 9/24/2009 3:06:22 PM

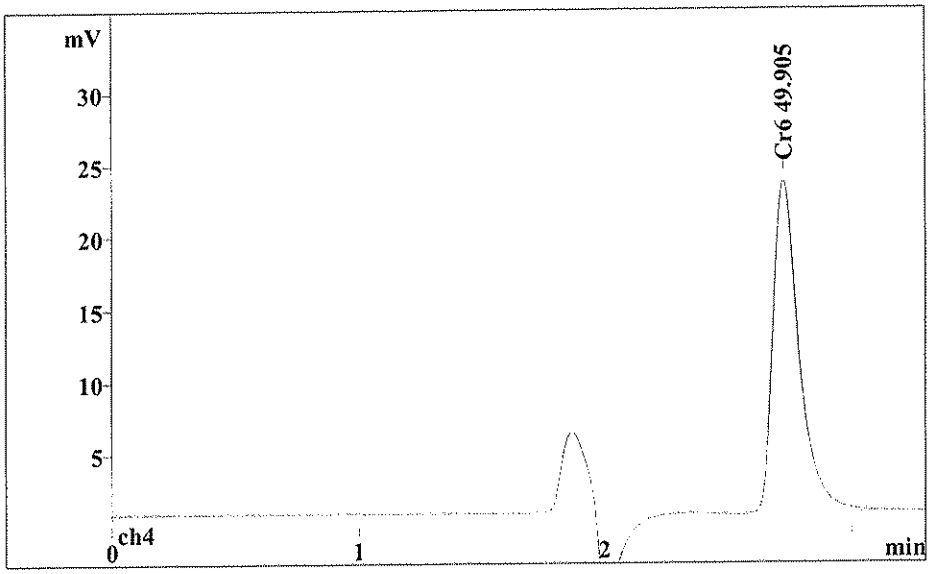
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 9:57:03
Run operator: TestAmerica - Edison
Analysis number: 19124

SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

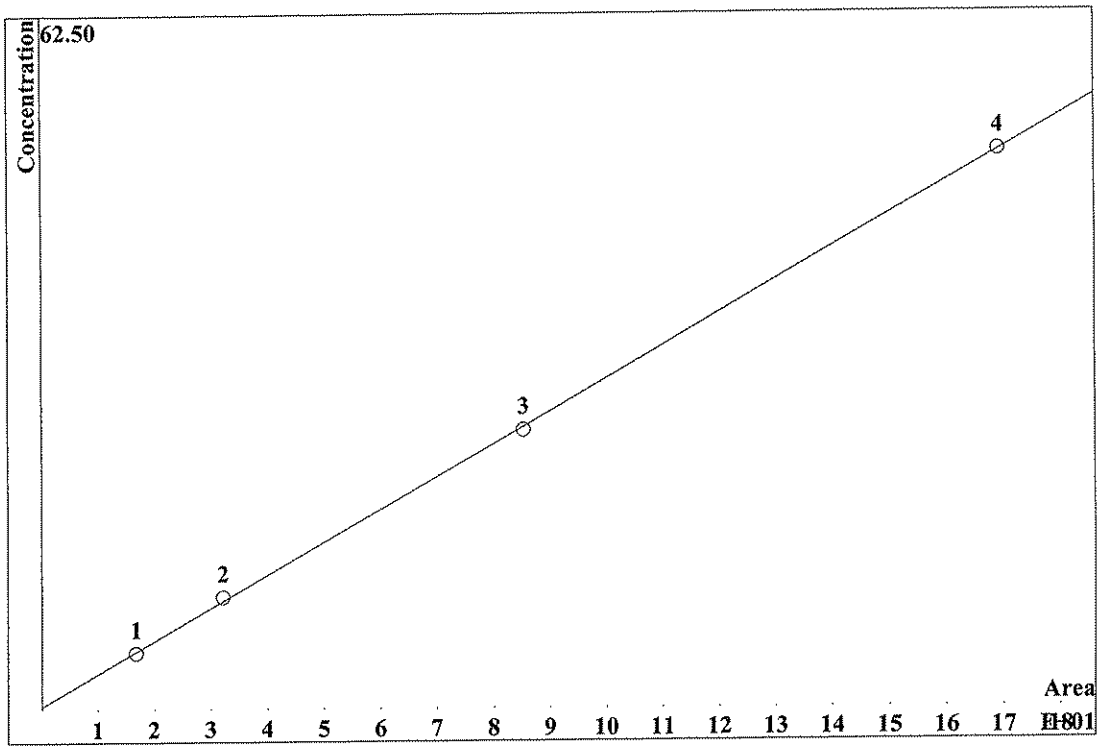
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.108;	23.03;	100.02;	169.217;	100.00;	0.00;	0.00;	31

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.293607·A + 0.221547
RSD: 1.502 %
Correlation coefficient: 0.999907



K3 = 0 K2 = 0 K1 = 0.293607 K0 = 0.221547
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.293;	16.77;	5;	1;	2.725;	Yes;	t9241429.chw
2;	4.492;	32.15;	10;	1;	2.725;	Yes;	t9241436.chw
3;	11.62;	85.37;	25;	1;	2.725;	Yes;	t9241452.chw
4;	23.02;	169.2;	50;	1;	2.725;	Yes;	t9241459.chw

Report date: 9/25/2009 9:21:21 AM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 9/24/2009 3:07:06 PM
File: t9241507.chw Last save: 9/24/2009 3:10:24 PM

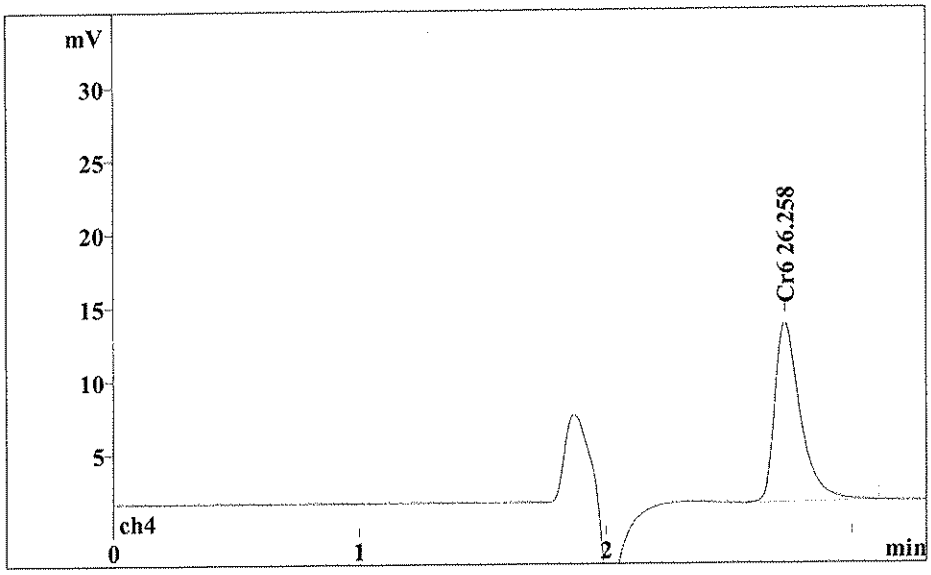
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:03:08
Run operator: TestAmerica - Edison
Analysis number: 19125

SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	12.24;	100.05;	88.679;	100.00;	0.00;	0.00;	32

Report date: 9/25/2009 9:21:25 AM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 9/24/2009 3:14:24 PM
File: t9241514.chw Last save: 9/24/2009 3:17:42 PM

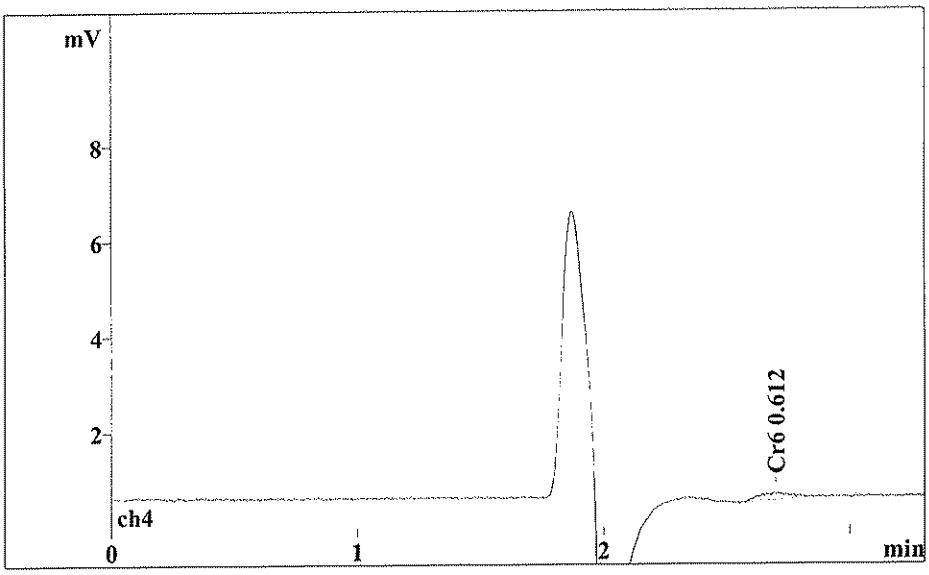
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19126

SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.145;	0.15;	95.36;	1.331;	100.00;	0.00;	0.00;	23

Report date: 9/25/2009 9:23:52 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 9/24/2009 7:39:26 PM
File: t9241939.chw Last save: 9/24/2009 7:42:44 PM

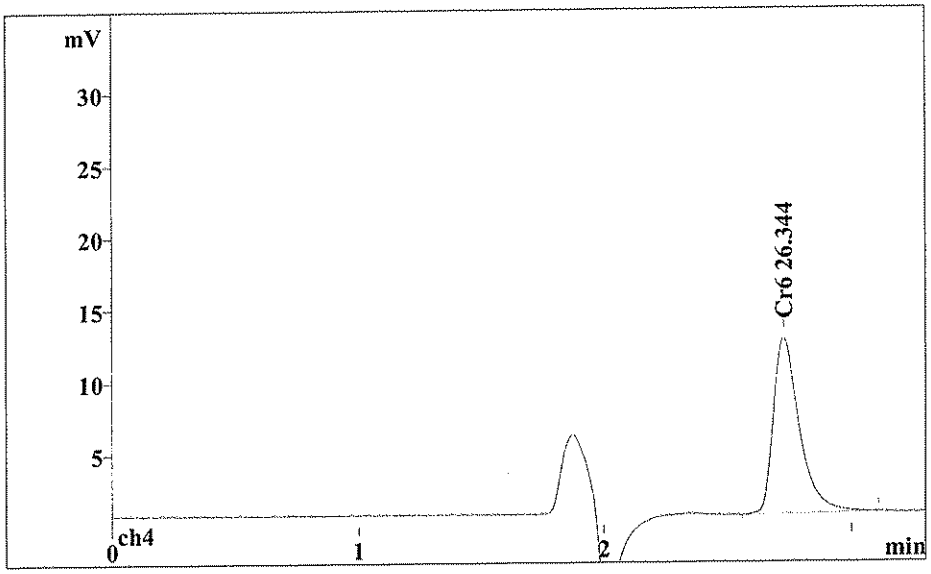
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19161

SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	12.17;	99.98;	88.971;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:23:57 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 9/24/2009 7:46:40 PM
File: t9241946.chw Last save: 9/24/2009 7:49:58 PM

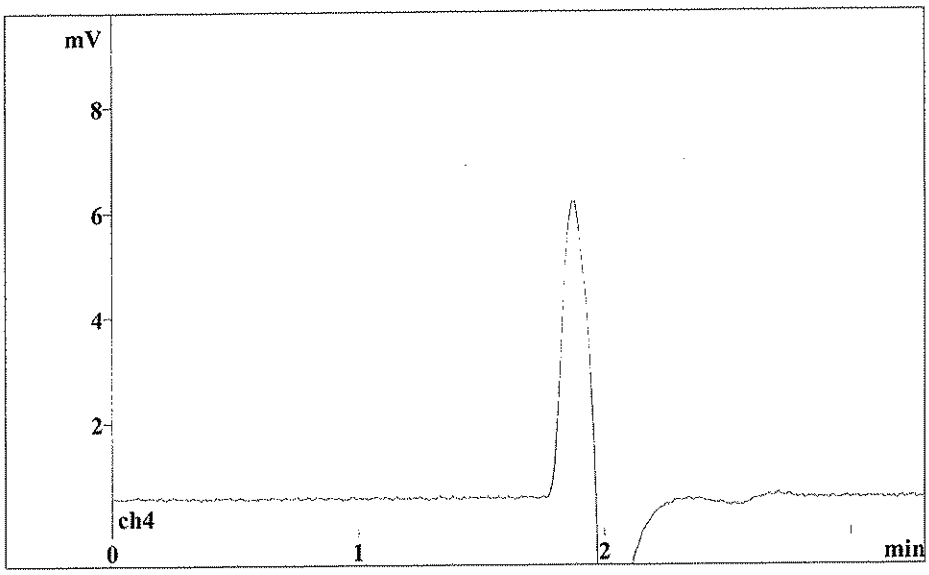
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19162

SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Report date: 9/25/2009 9:24:01 AM
Printed by: TestAmerica - Edison

Ident: MB 460-17740/1-A@10
Analysis from: 9/24/2009 7:53:53 PM
File: t9241953.chw Last save: 9/24/2009 7:57:12 PM

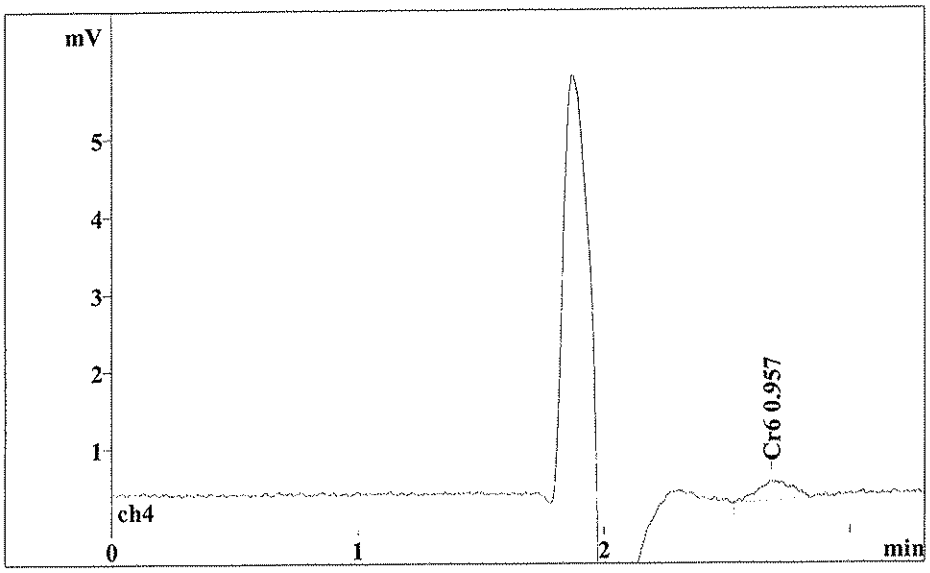
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19163

SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.163;	0.25;	95.63;	2.504;	100.00;	0.00;	0.00;	18

Report date: 9/25/2009 9:24:06 AM
Printed by: TestAmerica - Edison

Ident: MB 460-17740/1-A@10
Analysis from: 9/24/2009 8:01:09 PM
File: t9242001.chw Last save: 9/24/2009 8:04:28 PM

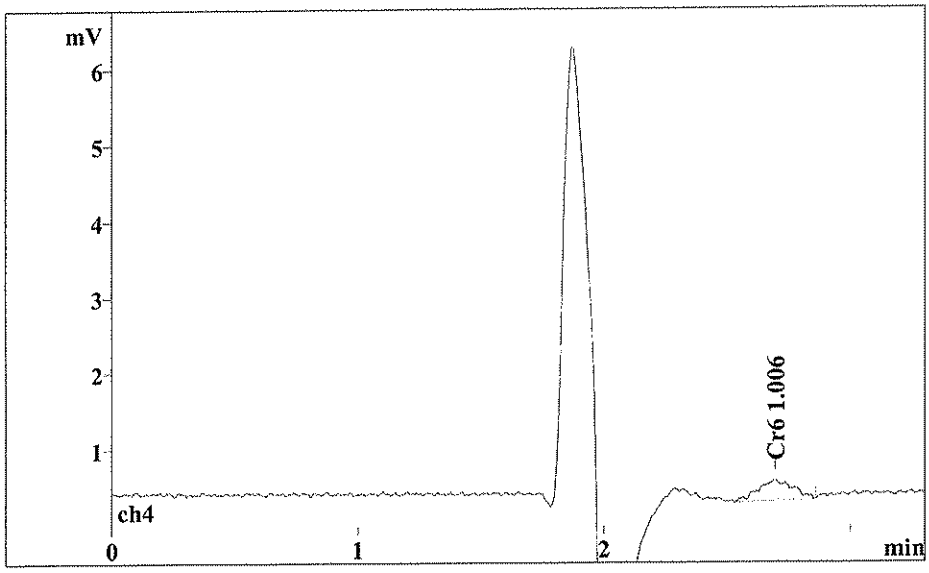
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19164

SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.165;	0.27;	98.73;	2.673;	100.00;	0.00;	0.00;	17

Report date: 9/25/2009 9:24:09 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-17740/2-A@25
Analysis from: 9/24/2009 8:08:23 PM
File: t9242008.chw Last save: 9/24/2009 8:11:41 PM

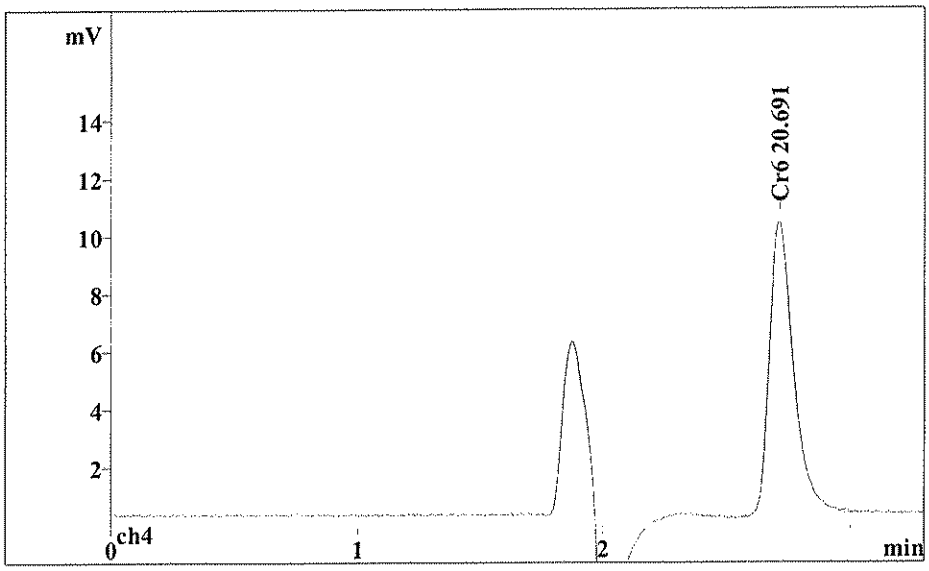
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19165

SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	10.20;	99.99;	69.717;	100.00;	0.00;	0.00;	35

Report date: 9/25/2009 9:24:13 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-17740/2-A@25
Analysis from: 9/24/2009 8:15:38 PM
File: t9242015.chw Last save: 9/24/2009 8:18:56 PM

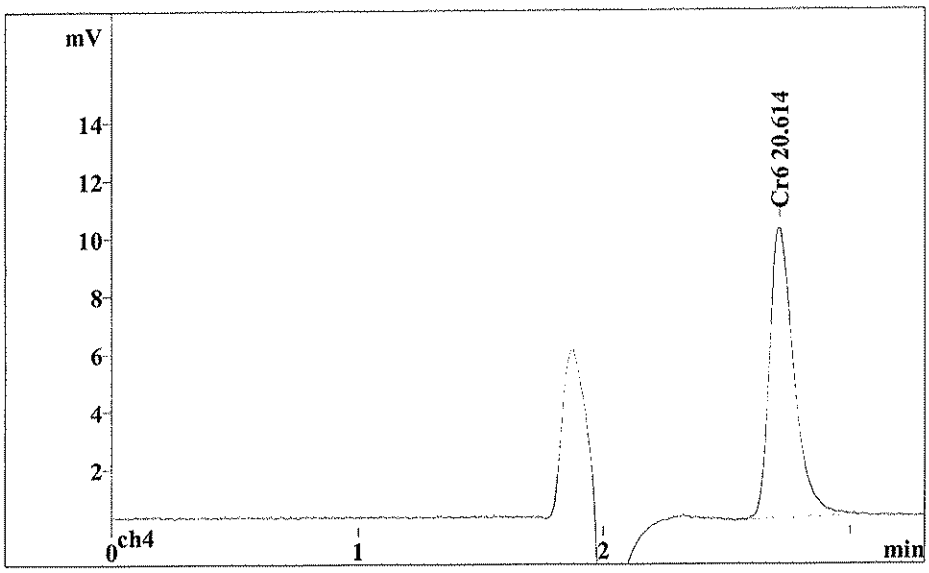
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19166

SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	10.08;	100.02;	69.454;	100.00;	0.00;	0.00;	35

Report date: 9/25/2009 9:24:16 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-17740/3-A@500
Analysis from: 9/24/2009 8:22:53 PM
File: t9242022.chw Last save: 9/24/2009 8:26:11 PM

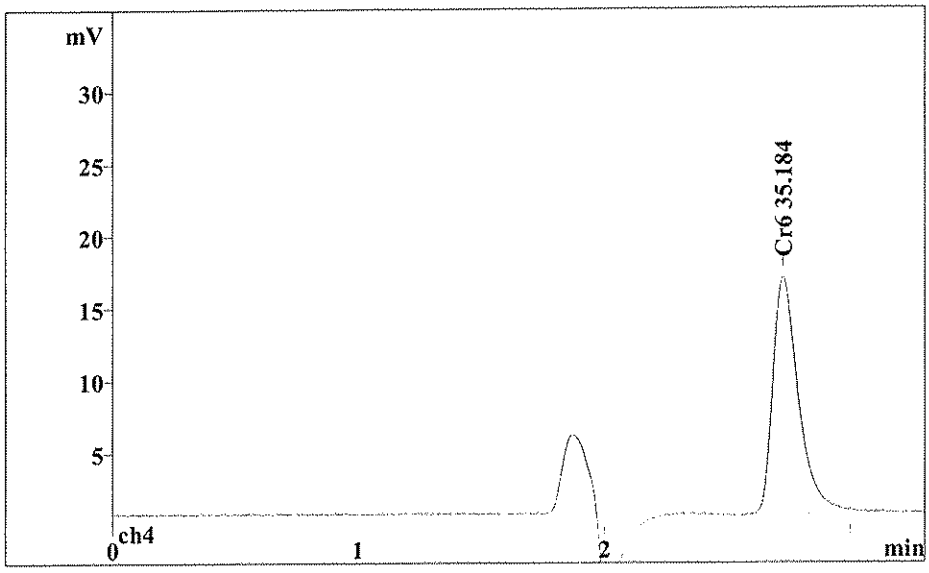
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19167

SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	16.43;	99.98;	119.080;	100.00;	0.00;	0.00;	32

Report date: 9/25/2009 9:24:19 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-17740/3-A@500
Analysis from: 9/24/2009 8:30:09 PM
File: t9242030.chw Last save: 9/24/2009 8:33:28 PM

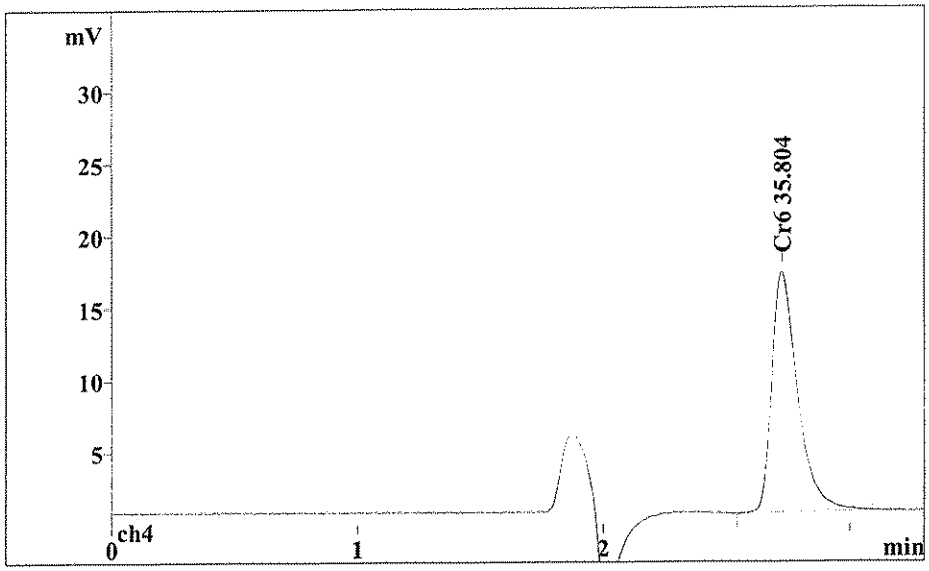
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19168

SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	16.63;	99.97;	121.190;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:24:24 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-E@10
Analysis from: 9/24/2009 8:37:26 PM
File: t9242037.chw Last save: 9/24/2009 8:40:44 PM

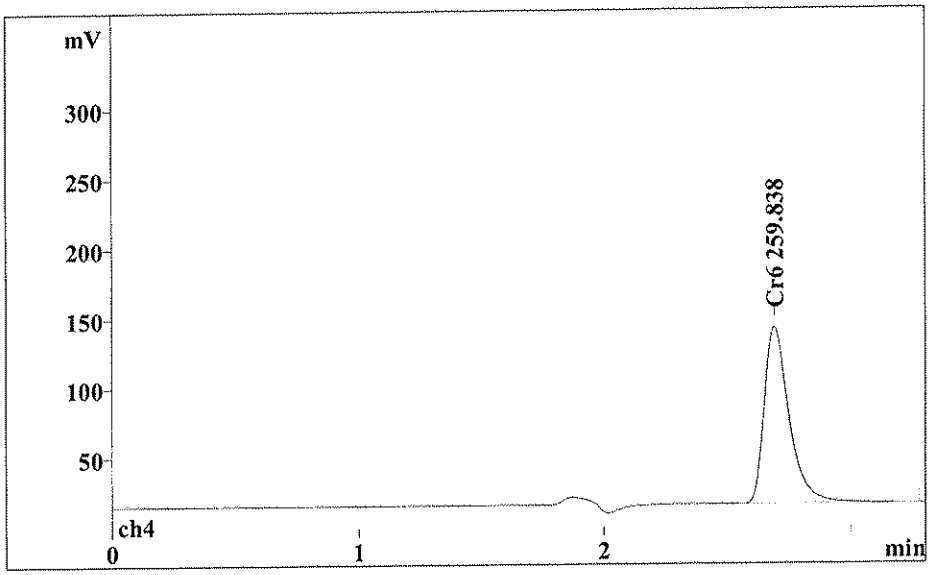
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19169

SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.102;	126.52;	100.05;	884.229;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:24:54 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-E@10
Analysis from: 9/24/2009 8:44:43 PM
File: t9242044.chw Last save: 9/24/2009 8:48:02 PM

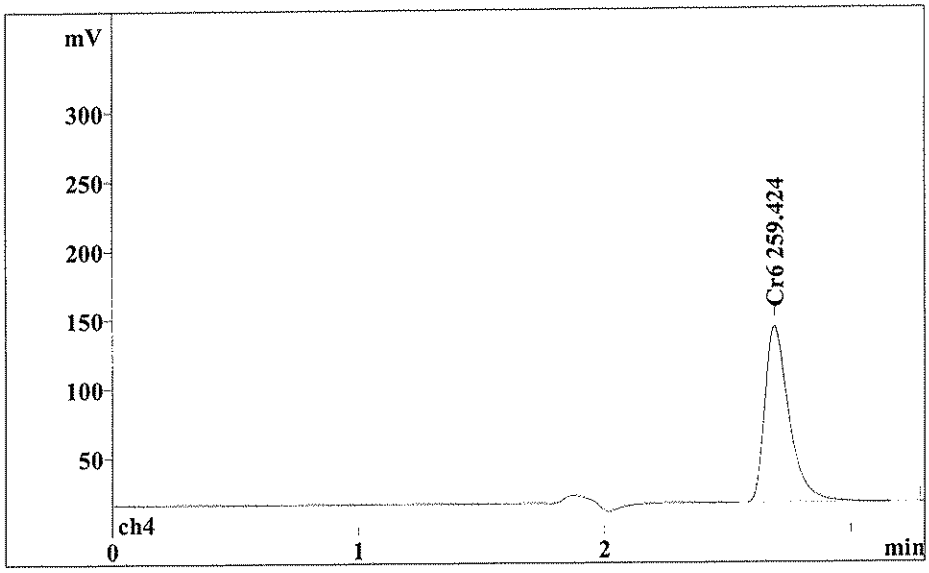
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19170

SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.101;	127.79;	100.00;	882.820;	100.00;	0.00;	0.00;	34

Report date: 9/25/2009 9:25:01 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-B DU@10
Analysis from: 9/24/2009 8:52:01 PM
File: t9242052.chw Last save: 9/24/2009 8:55:20 PM

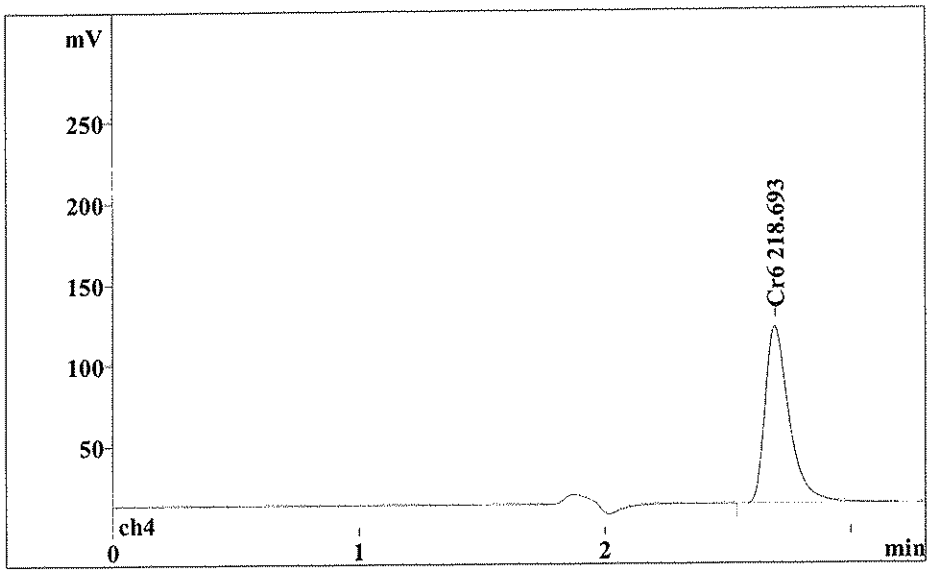
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19171

SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.100;	108.84;	100.06;	744.095;	100.00;	0.00;	0.00;	35

Report date: 9/25/2009 9:25:06 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-B DU@10
Analysis from: 9/24/2009 8:59:20 PM
File: t9242059.chw Last save: 9/24/2009 9:02:39 PM

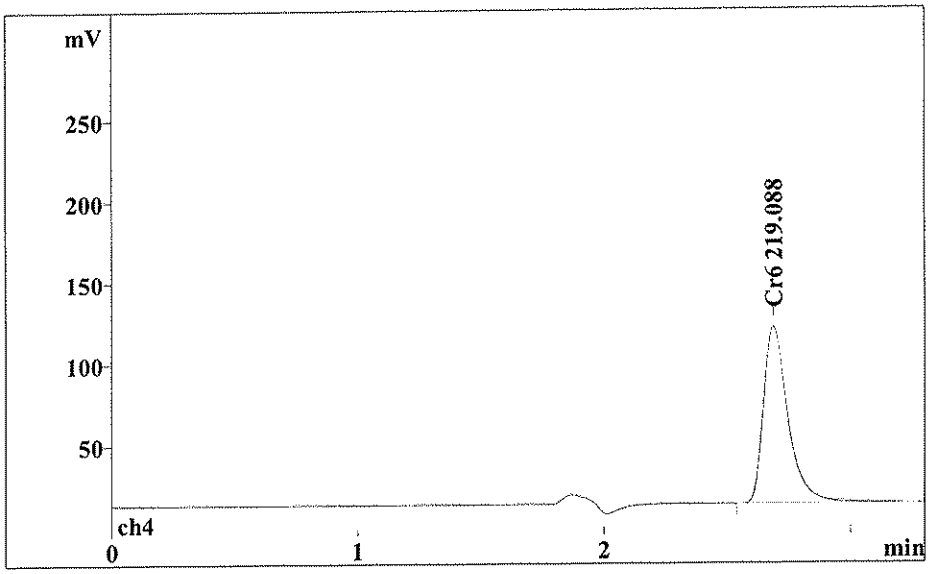
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19172

SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.100;	108.42;	100.00;	745.441;	100.00;	0.00;	0.00;	34

Report date: 9/25/2009 9:25:18 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 9/24/2009 9:06:41 PM
File: t9242106.chw Last save: 9/24/2009 9:09:59 PM

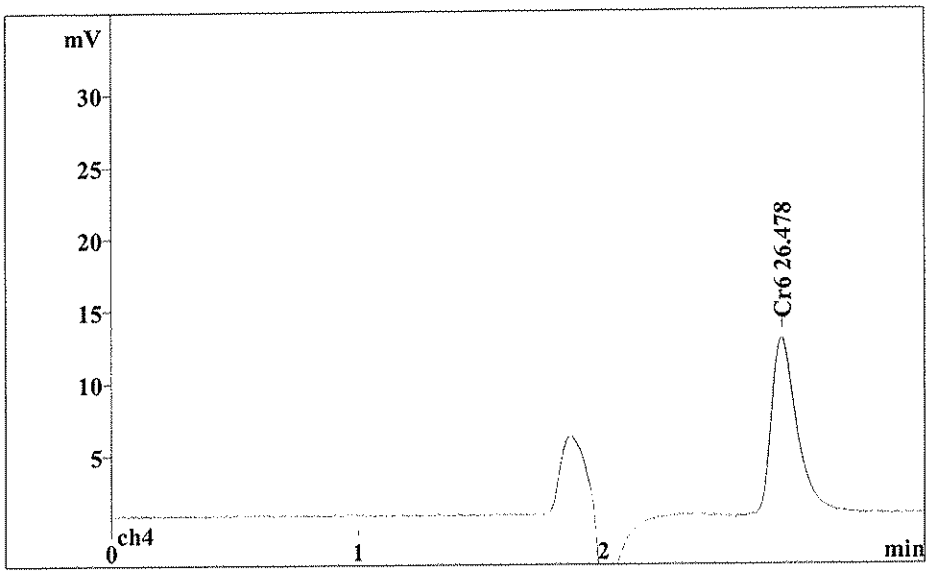
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19173

SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.107;	12.27;	100.07;	89.429;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:25:24 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 9/24/2009 9:14:01 PM
File: t9242114.chw Last save: 9/24/2009 9:17:19 PM

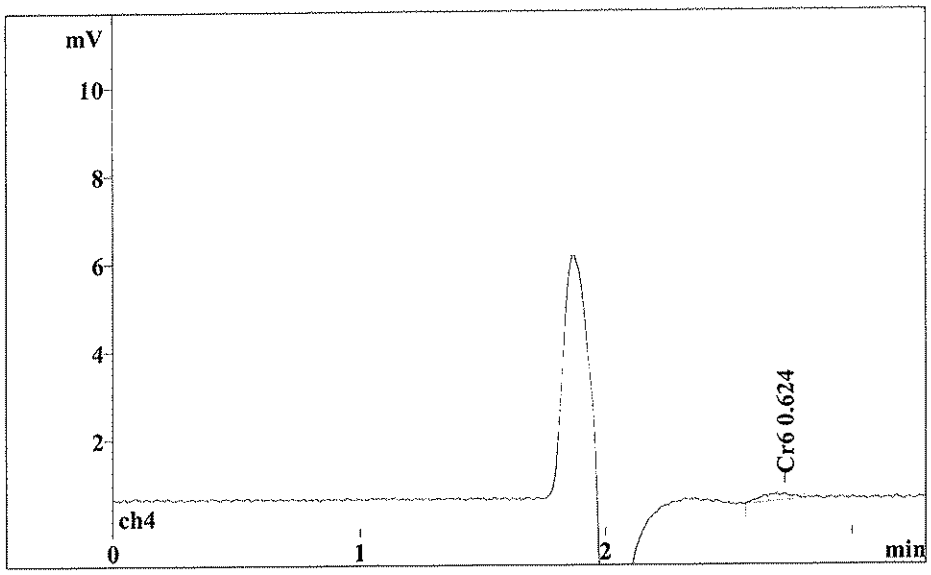
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19174

SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.150;	0.15;	94.68;	1.370;	100.00;	0.00;	0.00;	23

Report date: 9/25/2009 9:25:29 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-C MS@40
Analysis from: 9/24/2009 9:21:22 PM
File: t9242121.chw Last save: 9/24/2009 9:24:40 PM

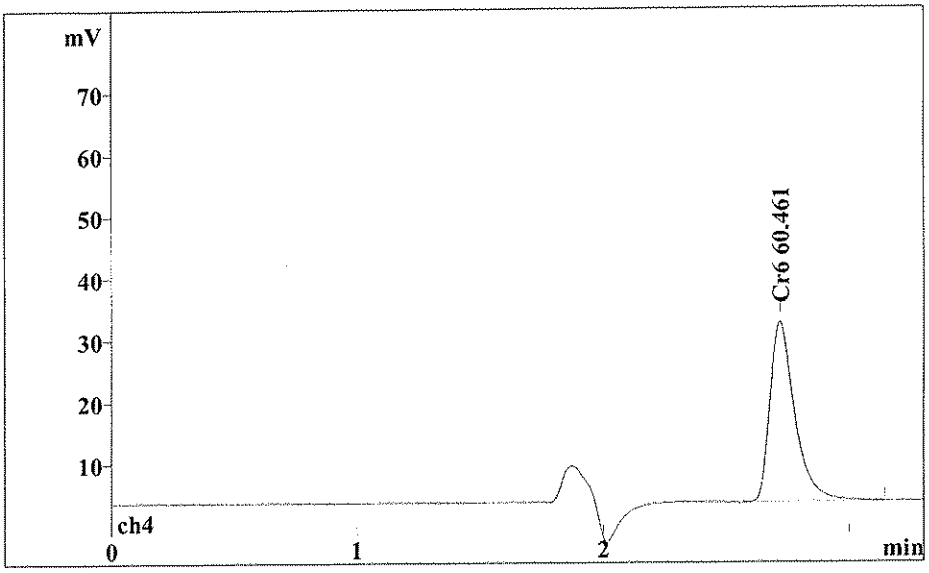
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19175

SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	29.12;	100.02;	205.172;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:26:11 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-C MS@40
Analysis from: 9/24/2009 9:28:43 PM
File: t9242128.chw Last save: 9/24/2009 9:32:02 PM

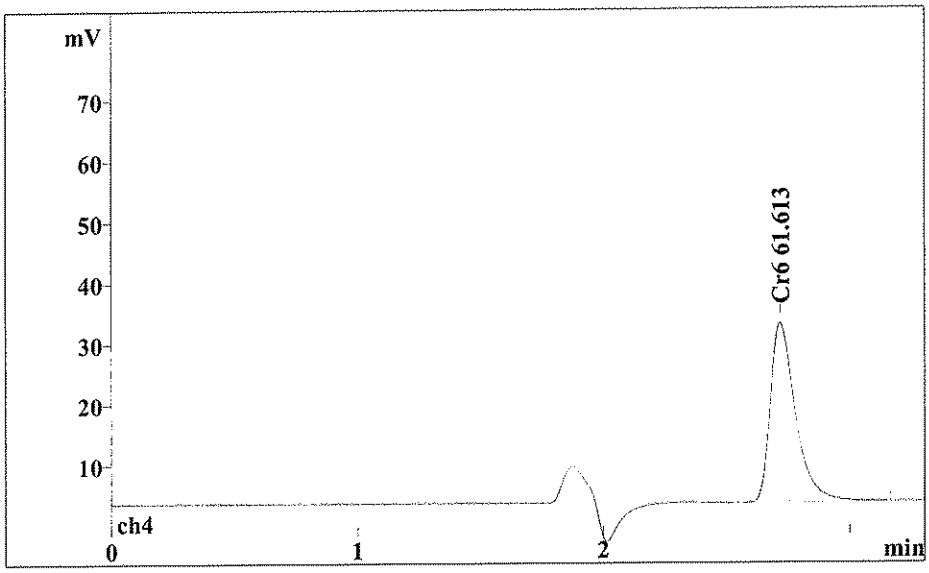
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19176

SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	29.59;	100.01;	209.092;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:26:21 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-D MSI@500
Analysis from: 9/24/2009 9:36:05 PM
File: t9242136.chw Last save: 9/24/2009 9:39:24 PM

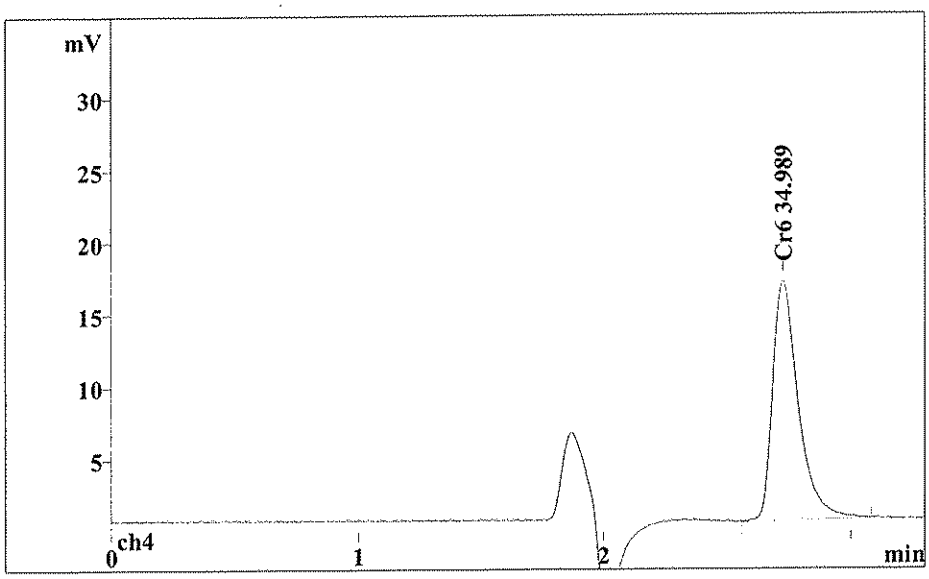
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19177

SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	16.53;	99.95;	118.416;	100.00;	0.00;	0.00;	32

Report date: 9/25/2009 9:26:23 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-D MSI@500
Analysis from: 9/24/2009 9:43:28 PM
File: t9242143.chw Last save: 9/24/2009 9:46:46 PM

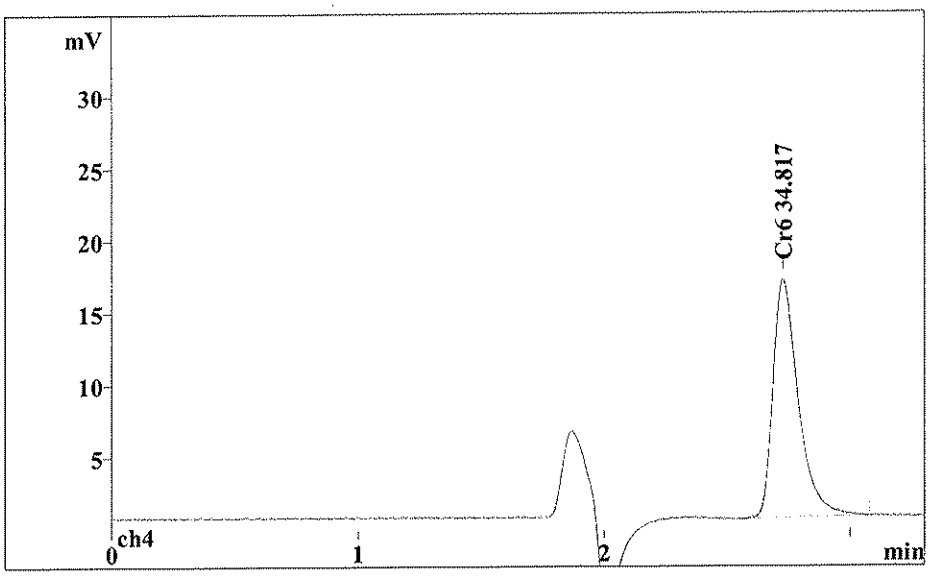
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19178

SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	16.50;	100.02;	117.829;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:26:37 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-E PDS@40
Analysis from: 9/24/2009 9:50:52 PM
File: t9242150.chw Last save: 9/24/2009 9:54:10 PM

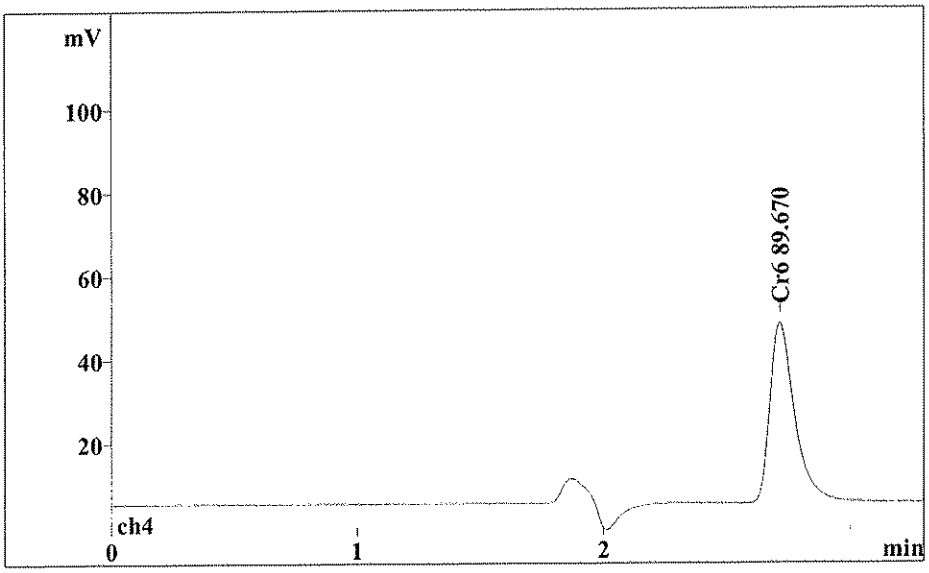
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19179

SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	43.19;	100.00;	304.653;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:26:41 AM
Printed by: TestAmerica - Edison

Ident: 460-5826-A-1-E PDS@40
Analysis from: 9/24/2009 9:58:16 PM
File: t9242158.chw Last save: 9/24/2009 10:01:34 PM

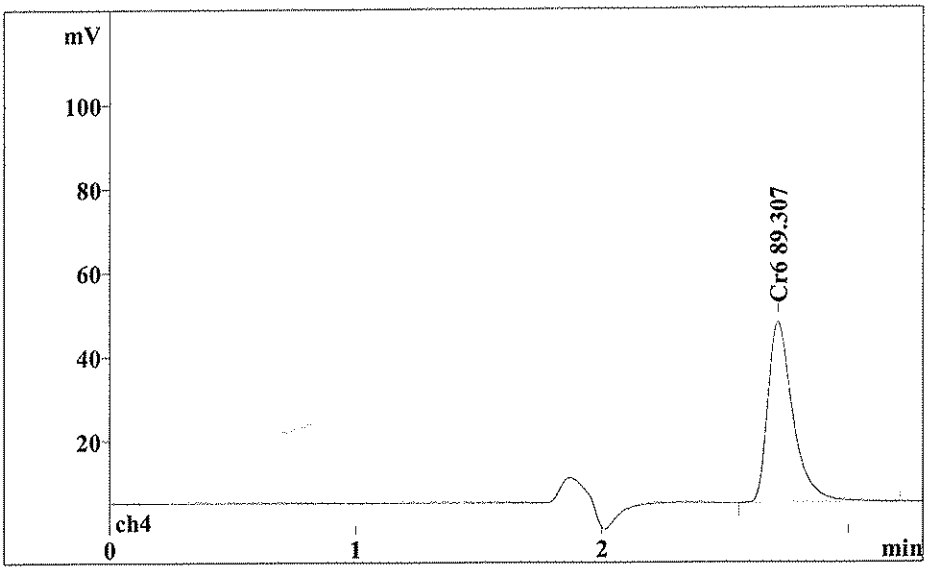
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19180

SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	42.84;	99.99;	303.418;	100.00;	0.00;	0.00;	33

Report date: 9/25/2009 9:27:03 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 9/24/2009 10:35:16 PM
File: t9242235.chw Last save: 9/24/2009 10:38:34 PM

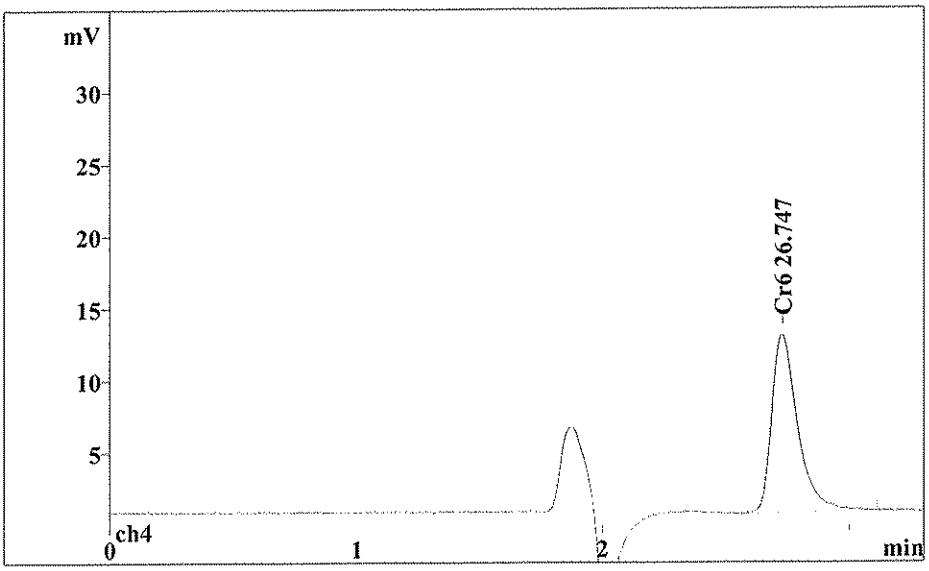
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19185

SAMPLE: 100ul loop
:
Vial number: 66
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	12.36;	99.96;	90.343;	100.00;	0.00;	0.00;	31

Report date: 9/25/2009 9:27:10 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 9/24/2009 10:42:40 PM
File: t9242242.chw Last save: 9/24/2009 10:45:58 PM

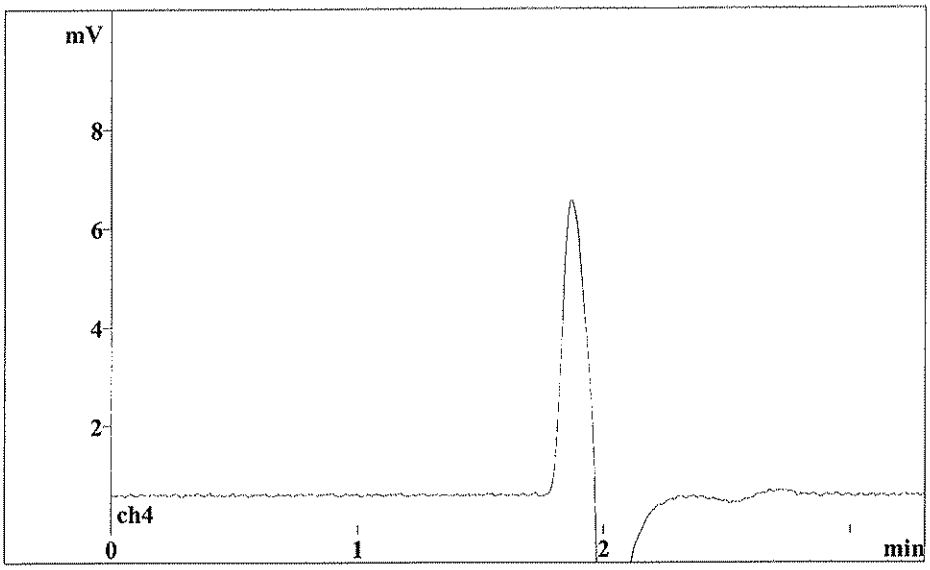
Method: stl_hexchrome_soil.mtw Last save: 9/24/2009 3:06:22
Run operator: TestAmerica - Edison
Analysis number: 19186

SAMPLE: 100ul loop
:
Vial number: 67
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: 300.0_28D

Date of Analytical Run: 9-21-09

Primary Reviewer's Initials: AM

Date of Primary Review: 9-22-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-22-09

Batch Numbers	49294	49296	49297	~~49300~~ 49301 (AM 9-22-09)	49300

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

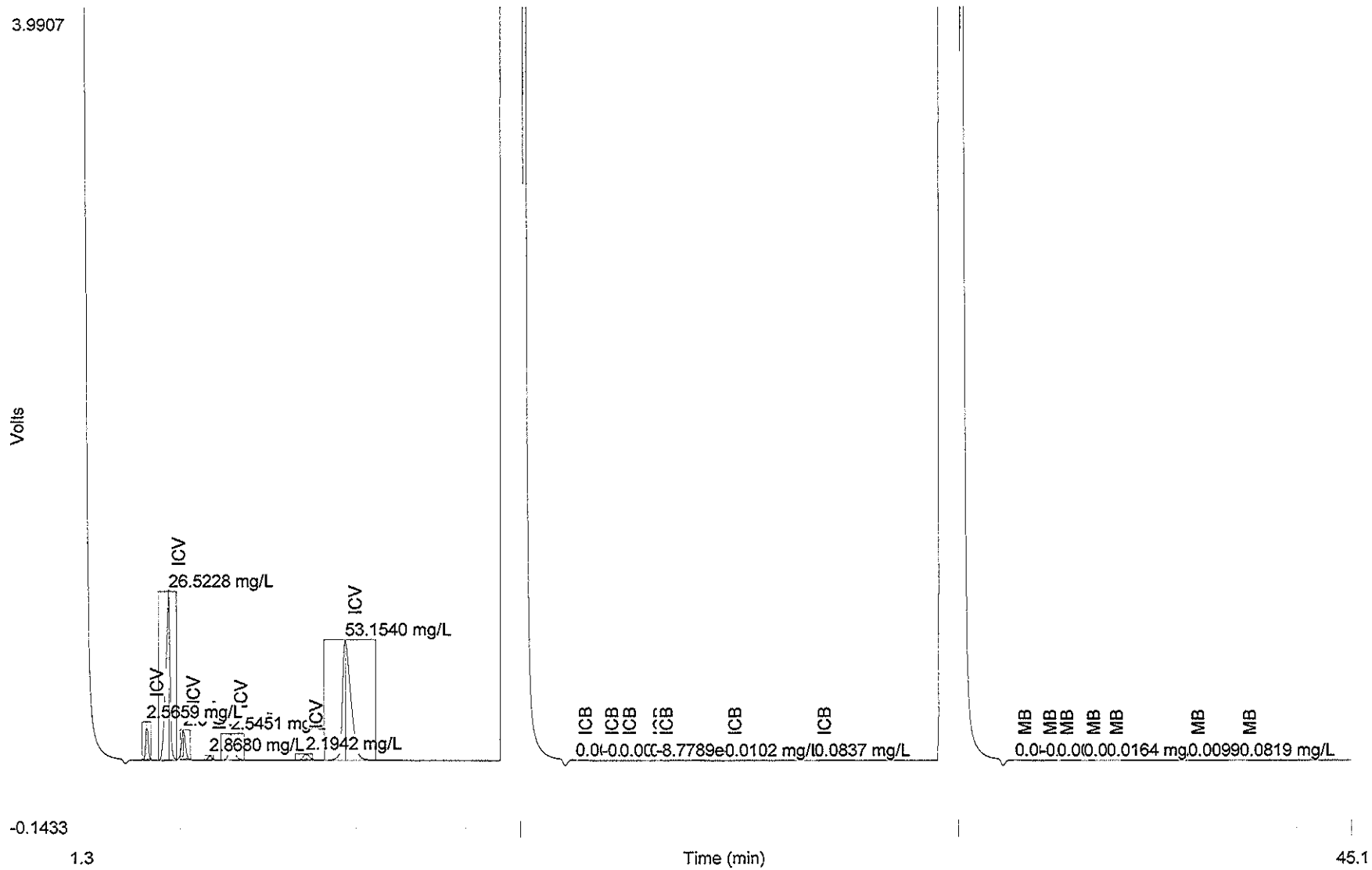
Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓		
Were any jobs in this batch Level 4?	X			24499, 24563, 24582
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			B49294, B49297, B49301

Original Run Filename: OM_9-21-2009_09-15-16AM.OMN created 9/21/2009 9:15:16 AM
Original Run Author's Signature: [lalashiusa]
Current Run Filename: OM_9-21-2009_09-15-16AM.OMN last modified 9/22/2009 12:07:29 AM
Current Run Author's Signature: [lalashiusa]
Description: Triggered autodilution test

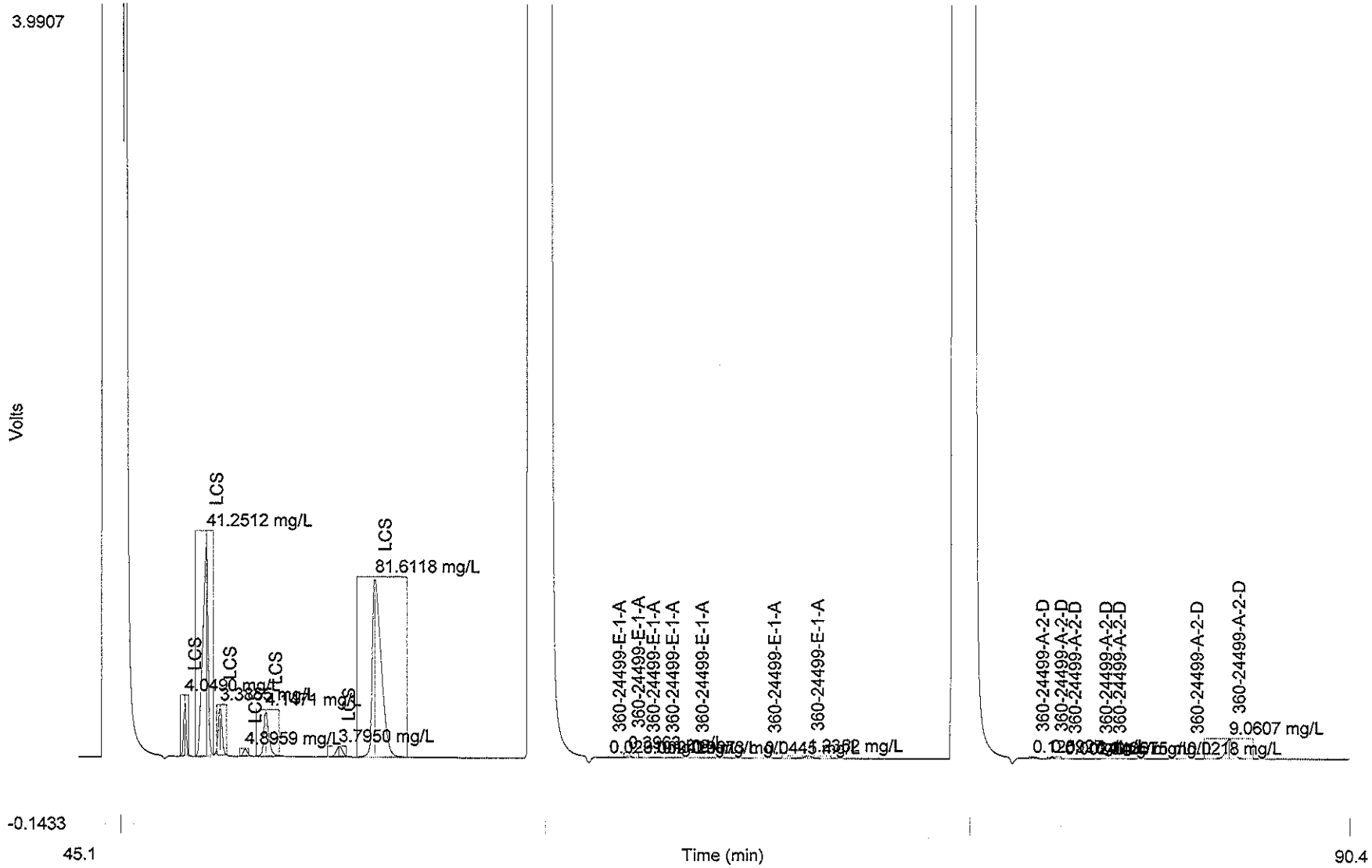
Sample	Cup No.	Channel 1 Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	Detection Time
ICV	1	2.8680	26.5228	2.5659	2.5451	2.0783	2.1942	53.1540	9/21/2009@9:16:37 AM
Known Conc:		2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
Calibration:		Table/Fig. 3	Table/Fig. 1		Table/Fig. 4	Table/Fig. 2	Table/Fig. 5	Table/Fig. 6	
ICB	S9	0.0557	-0.2327	0.0061	-8.7789e-4	0.0022	0.0102	0.0837	9/21/2009@9:31:42 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Calibration:				Table/Fig. 7					
MB	S9	0.0403	-0.2319	0.0060	0.0164	0.0022	0.0099	0.0819	9/21/2009@9:46:48 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	4.8959	41.2512	4.0490	4.1471	3.3855	3.7950	81.6118	9/21/2009@10:01:54 AM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24499-E-1-A	2	0.0429	0.3963	0.0231	0.0073	0.0024	0.0445	1.2352	9/21/2009@10:17:01 AM
360-24499-A-2-D	3	0.0425	0.0927	0.1252	-0.0075	0.0024	0.0218	9.0607	9/21/2009@10:32:07 AM
360-24499-A-3-B	4	0.0425	0.5126	0.0518	0.0266	0.0028	0.0195	3.0157	9/21/2009@10:47:14 AM
360-24499-A-5-D	5	0.0386	0.2439	0.0051	-0.0093	0.0022	0.0100	10.3012	9/21/2009@11:03:16 AM
360-24499-A-6-D	6	0.0445	-0.0100	0.0375	-0.0109	0.0026	0.2546	0.1331	9/21/2009@11:18:52 AM
360-24499-A-7-E	7	0.0696	2.6104	0.3067	0.0061	1.0952e-4	0.0101	87.3722	9/21/2009@11:33:59 AM
360-24499-A-14-D	8	0.0390	0.0883	0.0388	0.0486	0.0036	0.0157	0.5258	9/21/2009@11:49:07 AM
360-24499-A-14-D ms	9	1.1689	10.7344	1.0875	1.0870	0.8360	0.2938	21.8151	9/21/2009@12:04:12 PM
360-24499-A-14-D msd	9	0.9033	10.7653	1.0617	1.0829	0.9623	0.2440	21.8134	9/21/2009@12:19:18 PM
360-24499-A-15-B	10	0.0427	2.2843	0.0736	-0.0046	0.0022	0.0082	1.7007	9/21/2009@12:34:24 PM
CCV	S10	3.8983	41.4101	4.0247	4.1344	3.7172	3.4218	82.0695	9/21/2009@12:49:29 PM
Known Conc:		100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0386	-0.2272	0.0060	-0.0072	0.0024	-0.0012	0.0851	9/21/2009@1:04:35 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-24499-A-16-D	11	0.0431	0.0939	0.0249	-0.0070	0.0027	0.0275	1.0544	9/21/2009@1:19:41 PM
360-24499-A-17-E	12	0.0426	0.1191	0.0563	0.0809	0.0022	0.0085	1.0964	9/21/2009@1:34:46 PM
360-24499-A-18-C	13	0.0426	0.7821	0.2118	-0.0074	0.0032	0.0272	1.5973	9/21/2009@1:49:52 PM
360-24499-G-19-A	14	0.0423	0.3209	-0.0030	0.3242	0.0015	0.0100	2.8090	9/21/2009@2:03:36 PM
360-24499-A-20-E	15	0.0394	0.1836	0.3522	0.0286	0.0044	6.0484e-4	0.8905	9/21/2009@2:18:36 PM
360-24499-G-21-A	16	0.0354	0.6206	0.1238	0.0108	0.0026	0.0119	6.3908	9/21/2009@2:33:41 PM
360-24499-A-22-E	17	0.0360	0.1374	0.0056	1.3512	0.0034	0.0058	0.9533	9/21/2009@2:48:48 PM
24532-a-13@2	18	0.0091	37.8400	0.0757	0.0160	0.0022	0.0038	17.3068	9/21/2009@3:03:55 PM
360-24633-E-3@20	19	-0.0470	25.5396	0.0154	0.0020	0.0012	0.0101	0.4217	9/21/2009@3:19:02 PM
360-24633-E-5@20	20	-0.0409	8.6033	0.0068	0.0123	0.0025	0.0101	0.2304	9/21/2009@3:34:09 PM
CCV	S10	3.3581	41.5143	3.8666	4.1085	3.8926	3.1626	82.1673	9/21/2009@3:49:15 PM
Known Conc:		100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0429	-0.2273	3.2971e-4	0.0109	0.0024	0.0100	0.0875	9/21/2009@4:04:20 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0420	-0.2251	0.0060	0.0137	0.0028	0.0105	0.0833	9/21/2009@4:19:26 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

LCS	S10	3.5958	41.4524	3.9923	4.1451	3.7405	3.3828	82.8417	9/21/2009@4:34:31 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24563-A-1-F	22	0.0362	0.1500	0.0217	0.1978	0.0016	0.0101	1.2068	9/21/2009@4:49:37 PM
360-24563-A-2-F	23	0.0359	0.2370	0.0061	0.0308	0.0106	0.0100	0.2871	9/21/2009@5:04:44 PM
360-24563-A-3-D	24	0.0361	0.2132	0.0334	0.0489	0.0021	0.0708	0.6147	9/21/2009@5:19:49 PM
360-24563-I-4-A	25	0.0353	0.5539	0.0060	0.3873	0.0019	0.0090	1.0305	9/21/2009@5:34:55 PM
360-24563-E-5-A	26	0.0434	0.5394	0.0061	0.4006	0.0022	7.8464e-4	1.0706	9/21/2009@5:50:01 PM
360-24563-E-5-B MS	27	-0.6973	11.0862	1.0100	1.4022	0.9576	0.2163	22.0971	9/21/2009@6:05:07 PM
360-24563-E-5-C MSD	27	-0.9412	11.0639	0.9886	1.3889	0.9833	0.1988	21.9073	9/21/2009@6:20:12 PM
360-24563-A-6-F	28	0.0361	0.2379	0.0789	0.0726	0.0022	-0.0052	0.6815	9/21/2009@6:35:18 PM
360-24563-A-7-D	29	0.0287	0.2227	0.0868	0.0078	0.0022	0.0162	0.7595	9/21/2009@6:50:23 PM
360-24563-E-9-A	30	0.0246	0.5177	0.0451	0.0835	0.0019	0.0691	0.6828	9/21/2009@7:05:28 PM
360-24563-A-11-E	31	0.0325	3.7692	0.0286	4.0037	0.0022	0.0099	2.0635	9/21/2009@7:20:34 PM
360-24563-A-12-E	32	0.0273	0.3582	0.0837	0.0136	0.0022	-0.0037	5.8587	9/21/2009@7:35:41 PM
CCV	S10	2.6187	41.6968	3.9204	4.1027	3.9084	3.2521	82.5791	9/21/2009@7:50:47 PM
	Known Conc:	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0295	-0.2251	0.0061	0.0044	0.0024	0.0100	0.0884	9/21/2009@8:05:53 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-24563-A-13-D	33	0.0238	0.1929	0.0057	0.0706	0.0018	0.0100	2.5879	9/21/2009@8:20:59 PM
360-24563-A-14-E	34	0.0445	0.1329	0.0064	0.0819	0.0011	0.0100	2.2554	9/21/2009@8:36:06 PM
360-24563-A-14-F MS	35	1.0092	11.2589	1.0320	1.1461	1.0013	0.2032	24.7120	9/21/2009@8:51:13 PM
360-24563-A-14-G MSD	35	1.0410	11.2289	1.0704	1.1514	0.9744	0.2156	24.6250	9/21/2009@9:06:19 PM
360-24563-A-15-D	36	0.0295	1.5883	0.0206	1.6927	0.0019	2.5881e-4	14.4882	9/21/2009@9:21:25 PM
360-24563-A-16-D	37	0.0371	-0.1674	-0.0127	0.5607	0.0022	-579.9975	0.0876	9/21/2009@9:36:32 PM
360-24582-G-4	38	0.0028	0.0717	0.0061	-0.0017	0.0028	0.0100	0.1499	9/21/2009@9:51:37 PM
360-24563-G-23	39	0.0044	0.0846	0.0062	1.5346e-5	0.0026	0.0100	0.1329	9/21/2009@10:06:43 PM
CCV	S10	4.7693	41.4175	3.9805	4.1600	3.5290	3.4291	82.7528	9/21/2009@10:21:49 PM
	Known Conc:	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0598	-0.2242	0.0060	-0.0050	0.0026	0.0100	0.0876	9/21/2009@10:36:54 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0669	-0.2244	0.0060	-9.4709e-4	0.0029	0.0094	0.0876	9/21/2009@10:52:00 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	4.8897	41.6336	4.0078	4.1970	3.5055	3.3318	82.6446	9/21/2009@11:07:05 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24633-E-6@5	21	0.0695	1.3116	0.0094	-9.4441e-4	0.0025	0.0044	0.8744	9/21/2009@11:22:12 PM
CCV	S10	4.7135	41.3452	3.9558	4.1897	3.5455	3.2298	82.2732	9/21/2009@11:37:18 PM
	Known Conc:	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0751	-0.2236	0.0060	-0.0048	0.0029	0.0116	0.0887	9/21/2009@11:52:23 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	

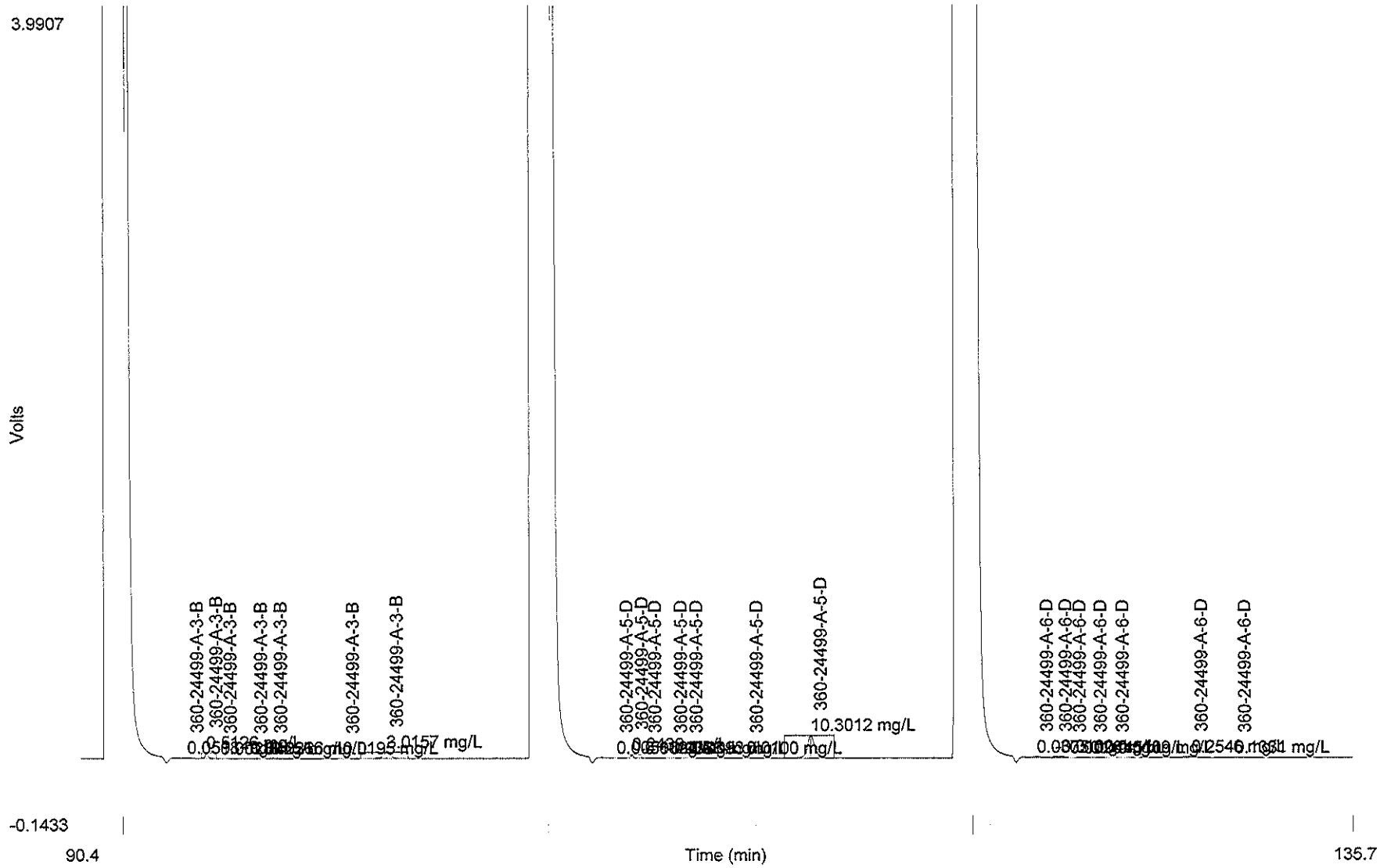
Channel 1 (Anions) : Set 1 of 20



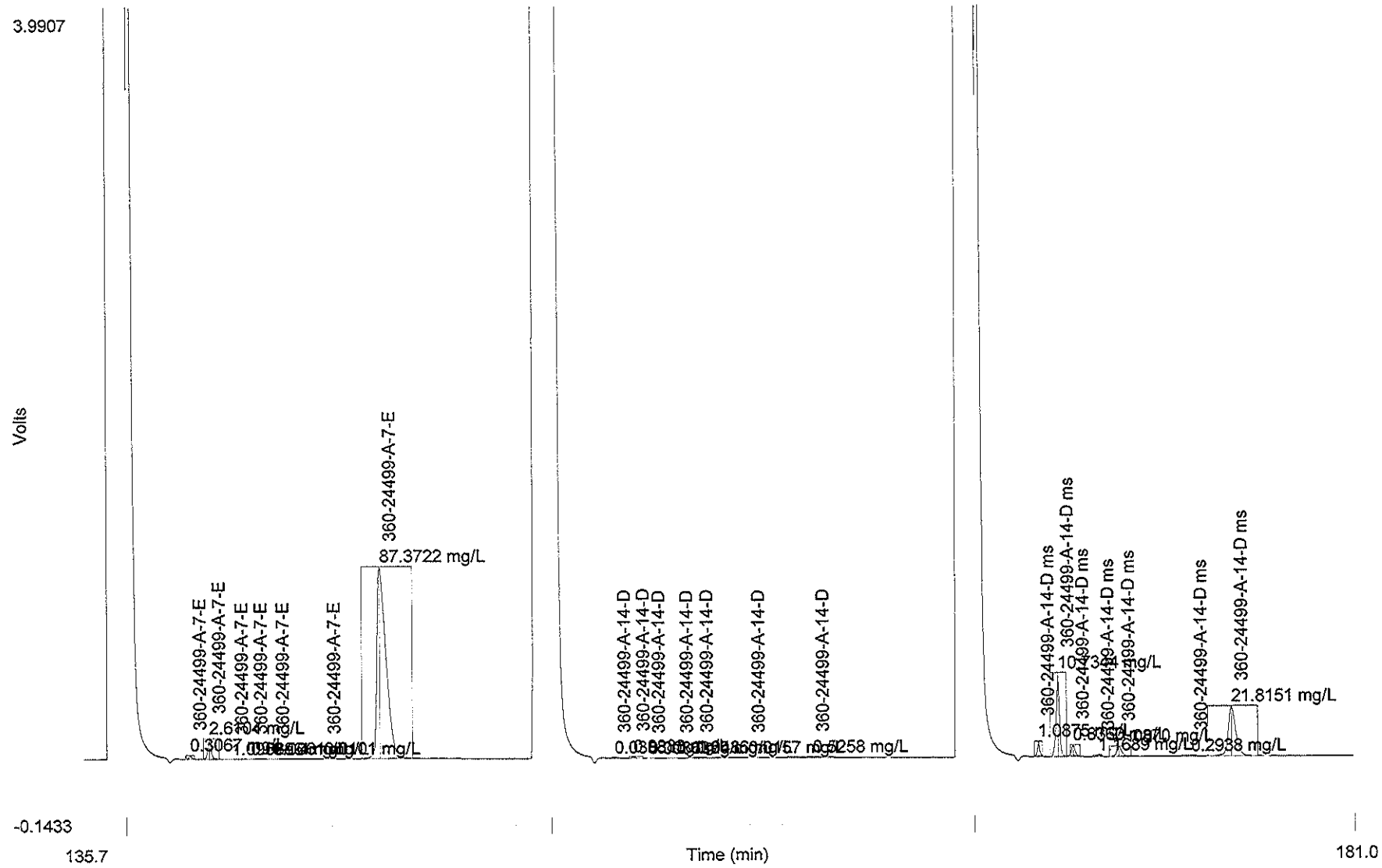
Channel 1 (Anions) : Set 2 of 20



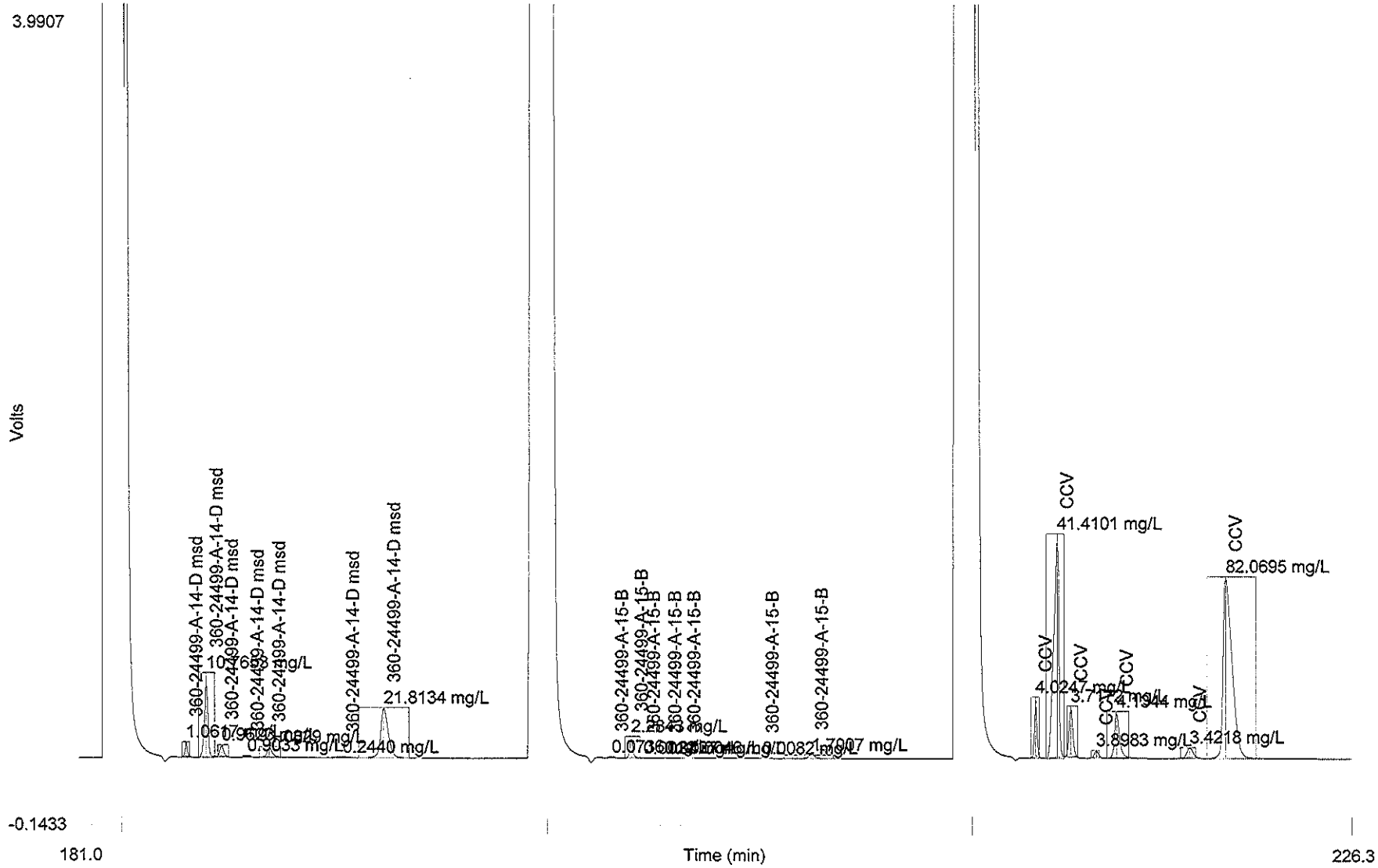
Channel 1 (Anions) : Set 3 of 20



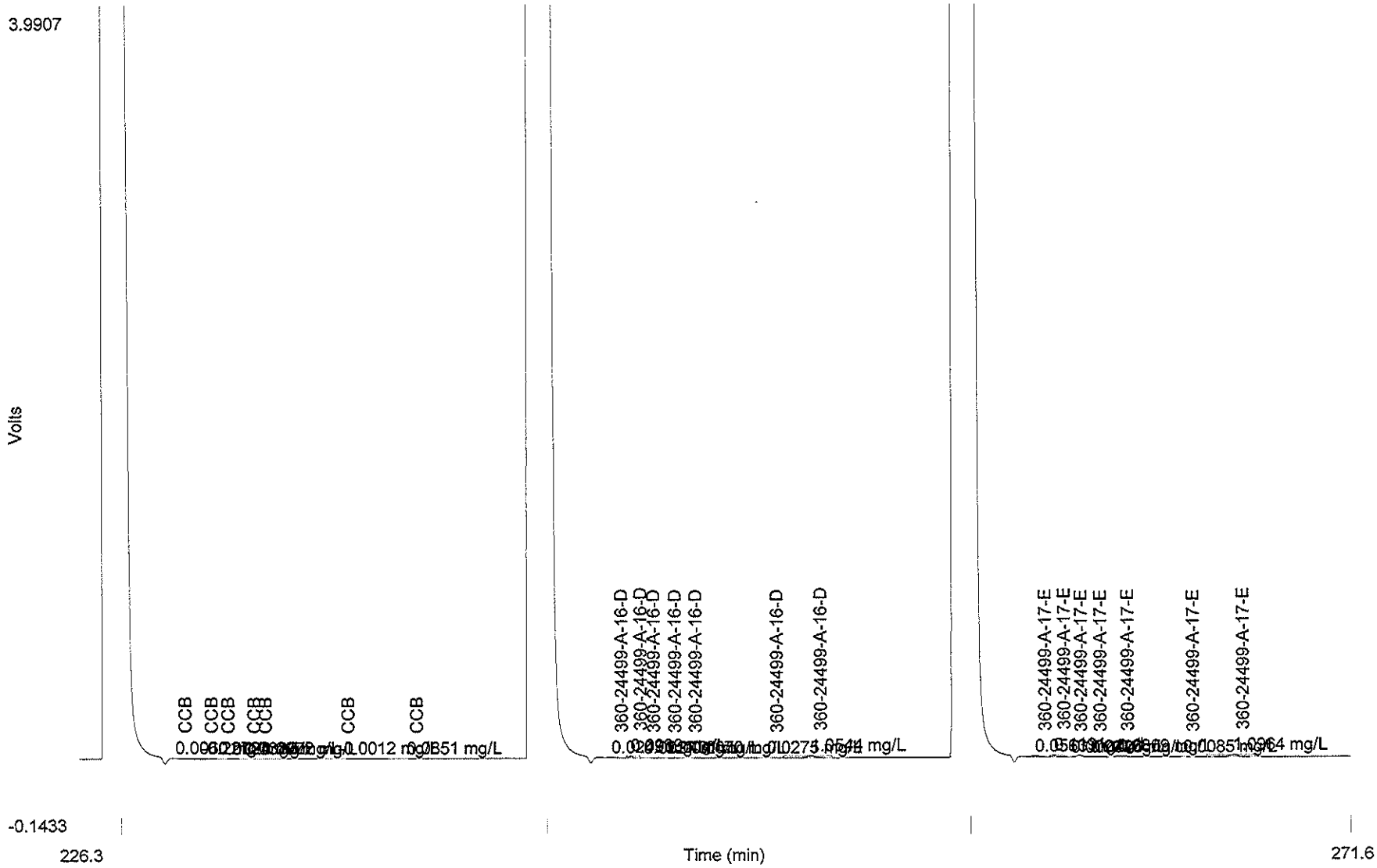
Channel 1 (Anions) : Set 4 of 20



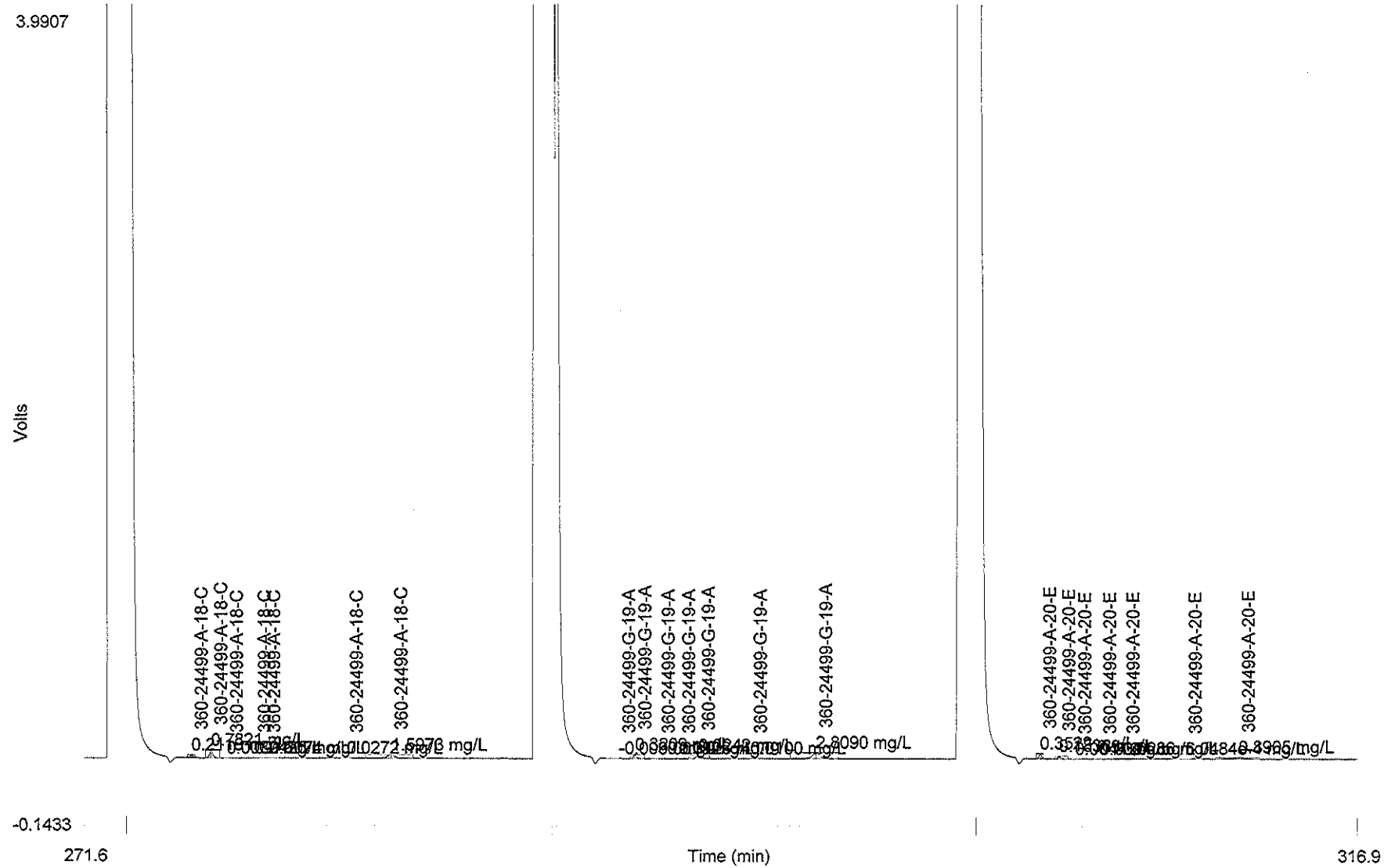
Channel 1 (Anions) : Set 5 of 20



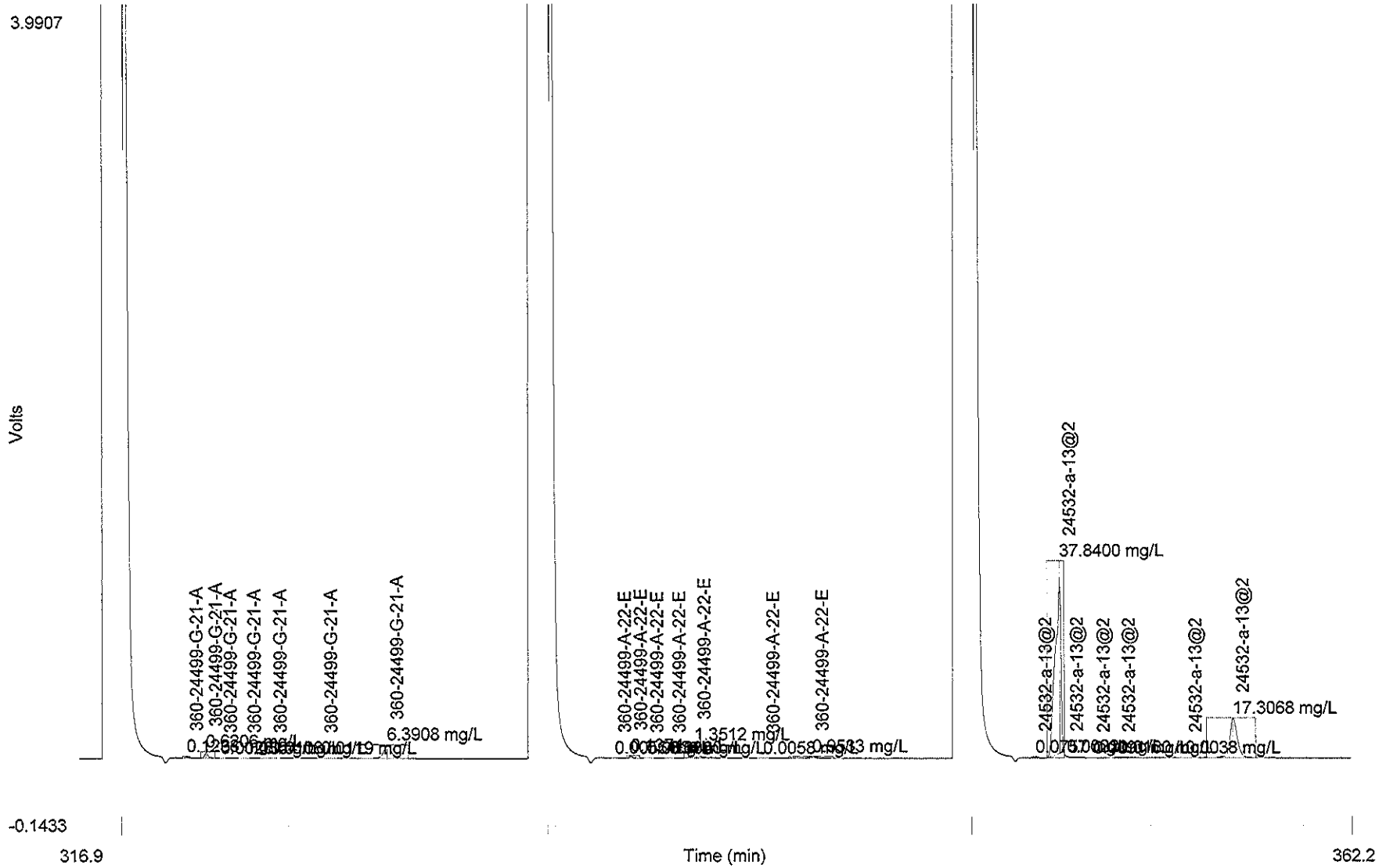
Channel 1 (Anions) : Set 6 of 20



Channel 1 (Anions) : Set 7 of 20

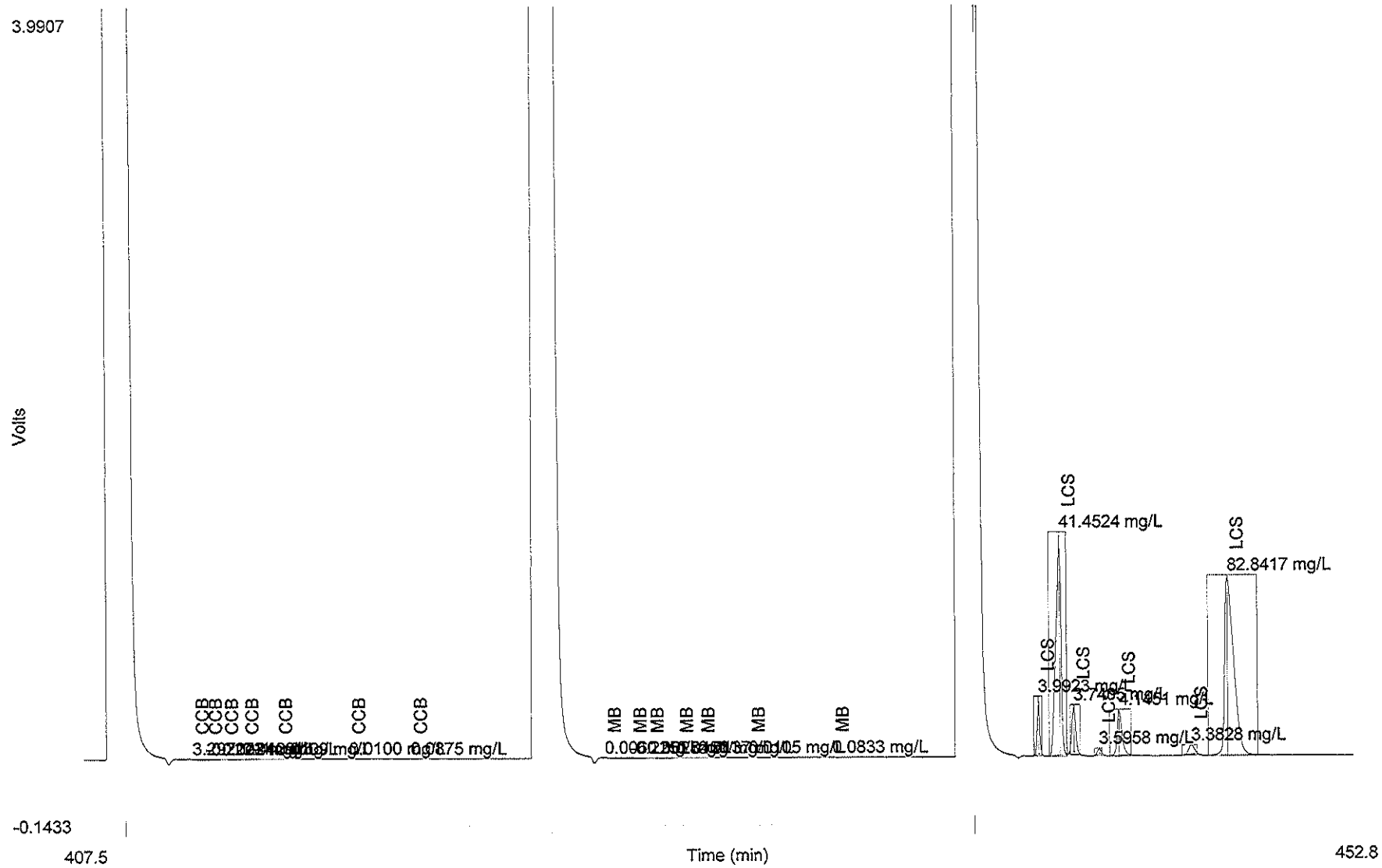


Channel 1 (Anions) : Set 8 of 20

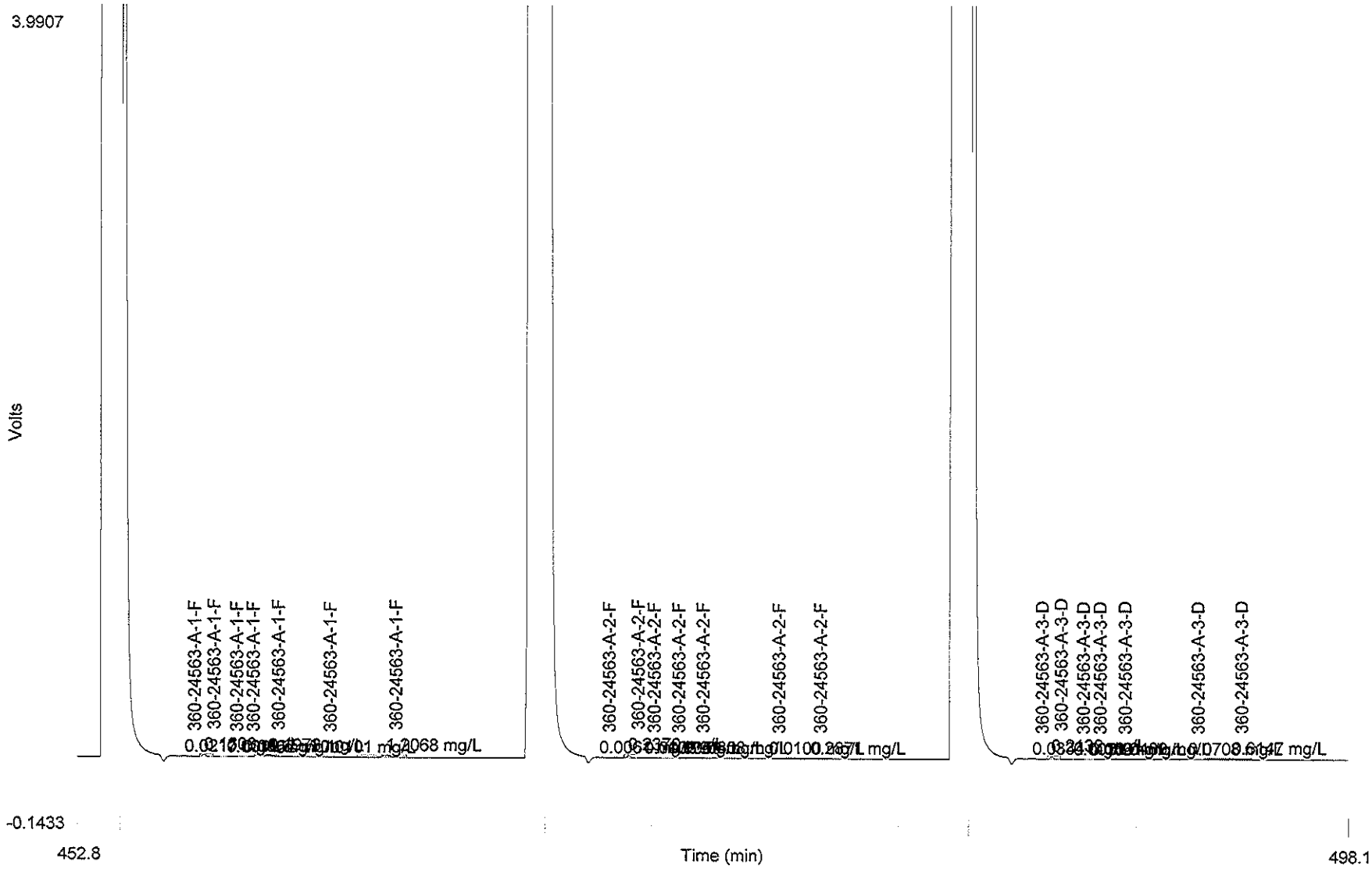


Channel 1 (Anions) : Set 9 of 20

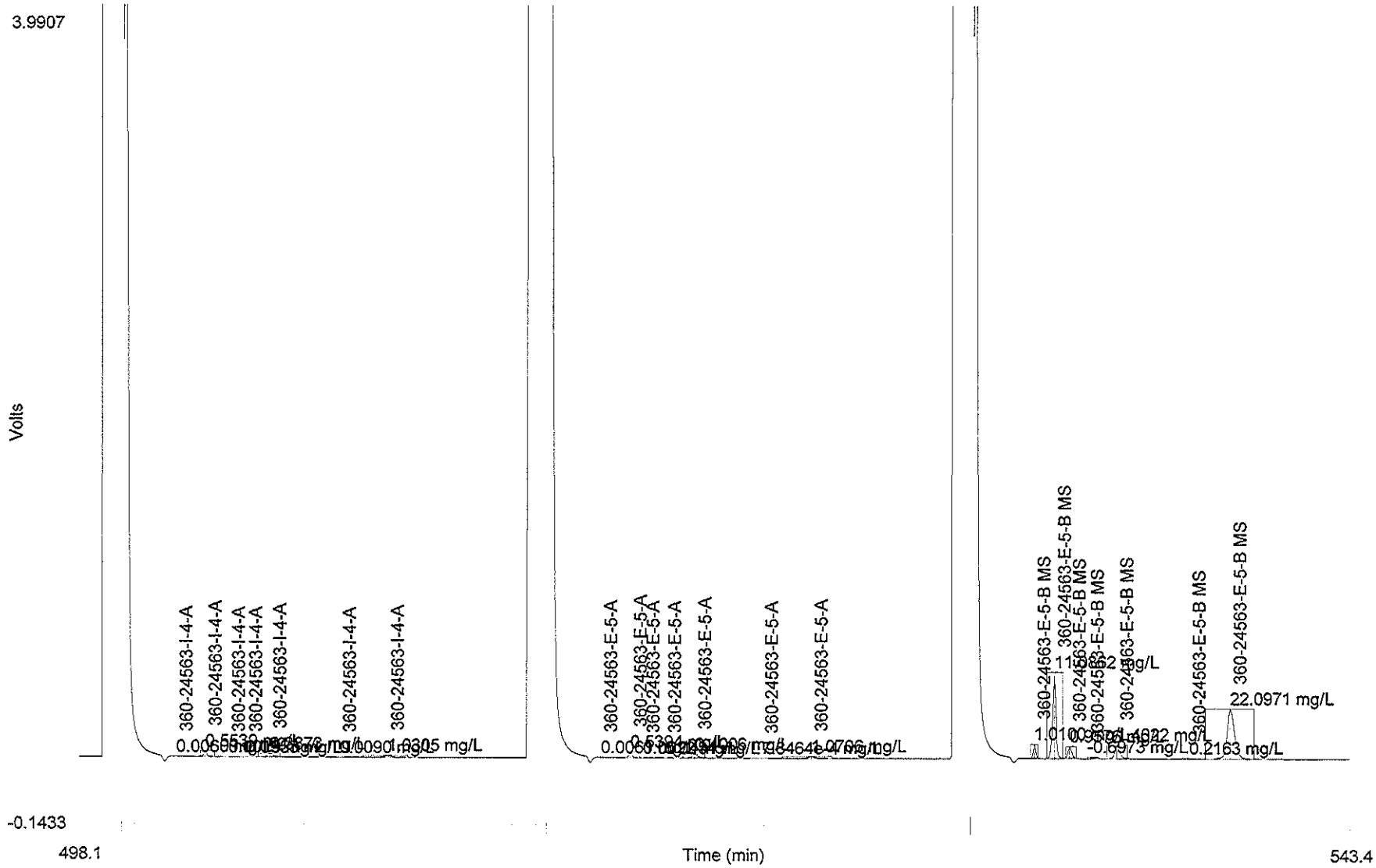
Channel 1 (Anions) : Set 10 of 20



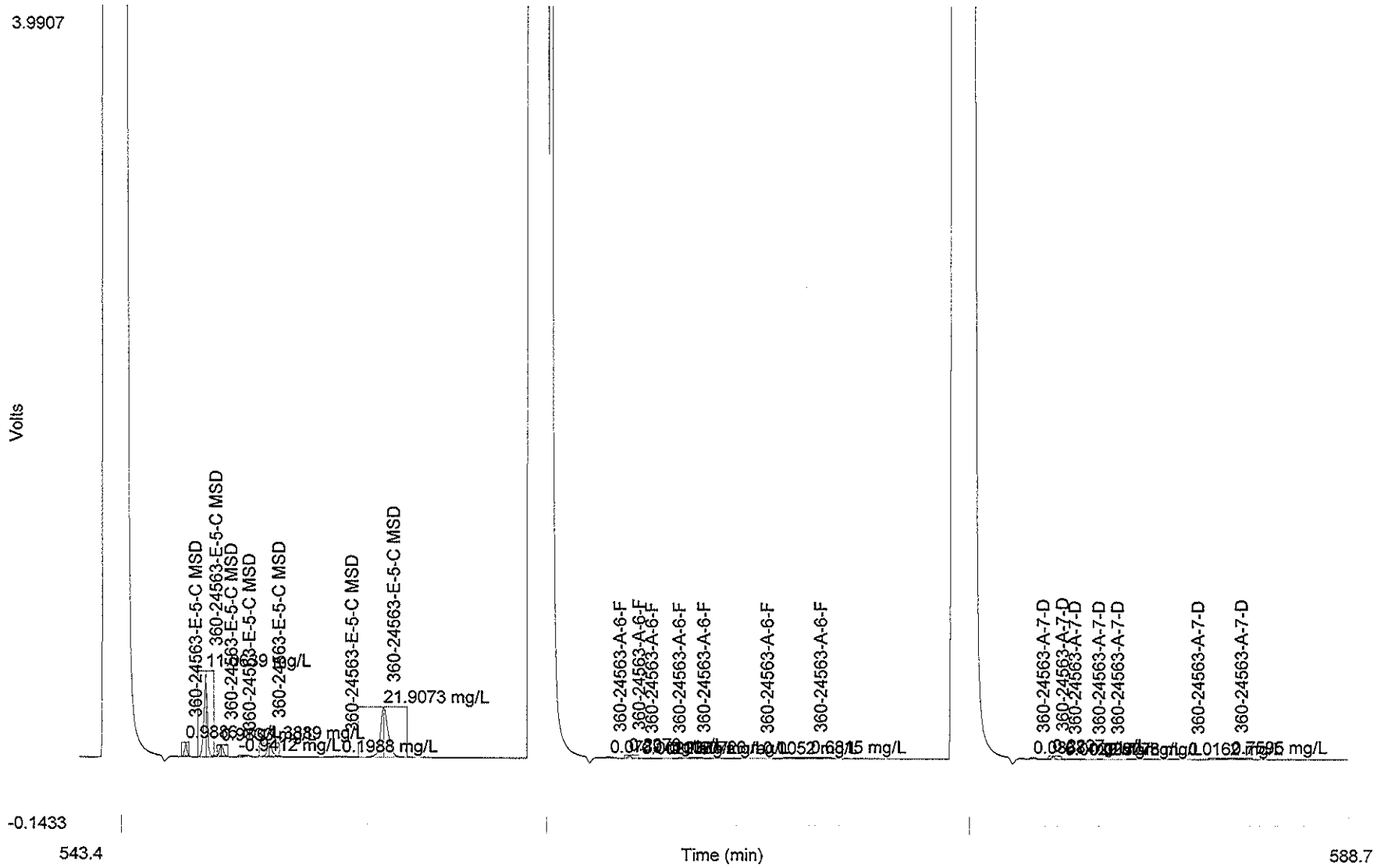
Channel 1 (Anions) : Set 11 of 20



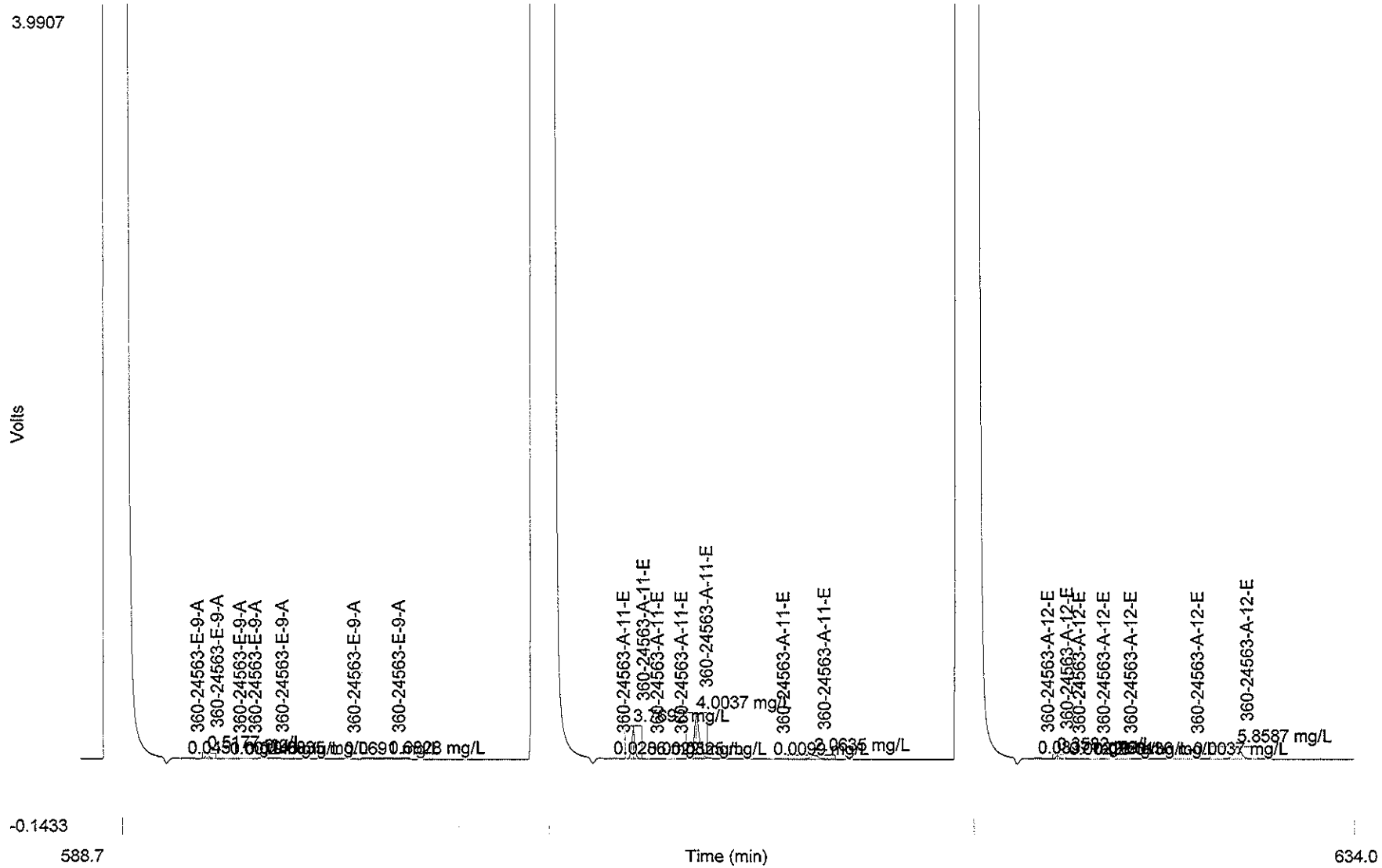
Channel 1 (Anions) : Set 12 of 20



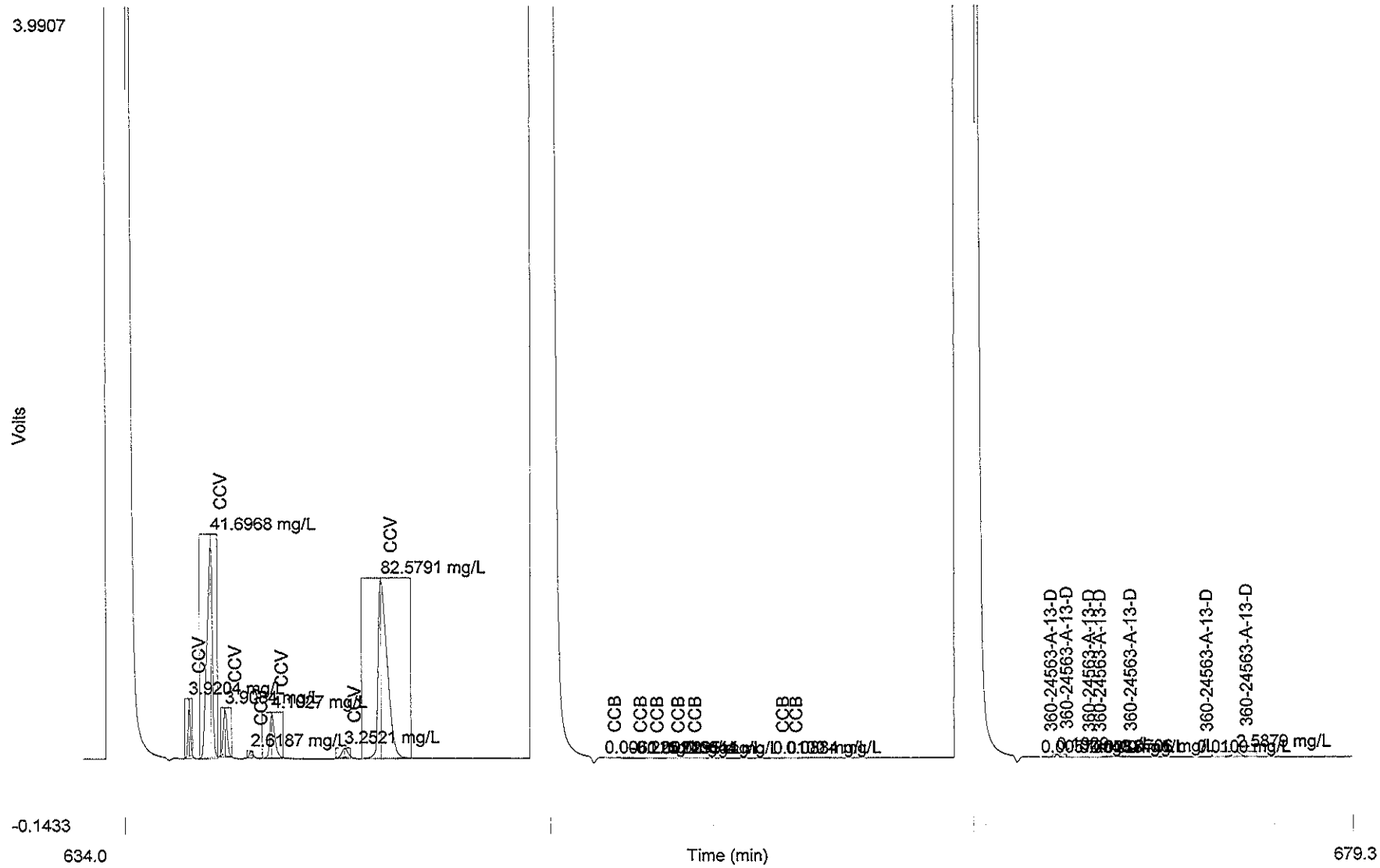
Channel 1 (Anions) : Set 13 of 20



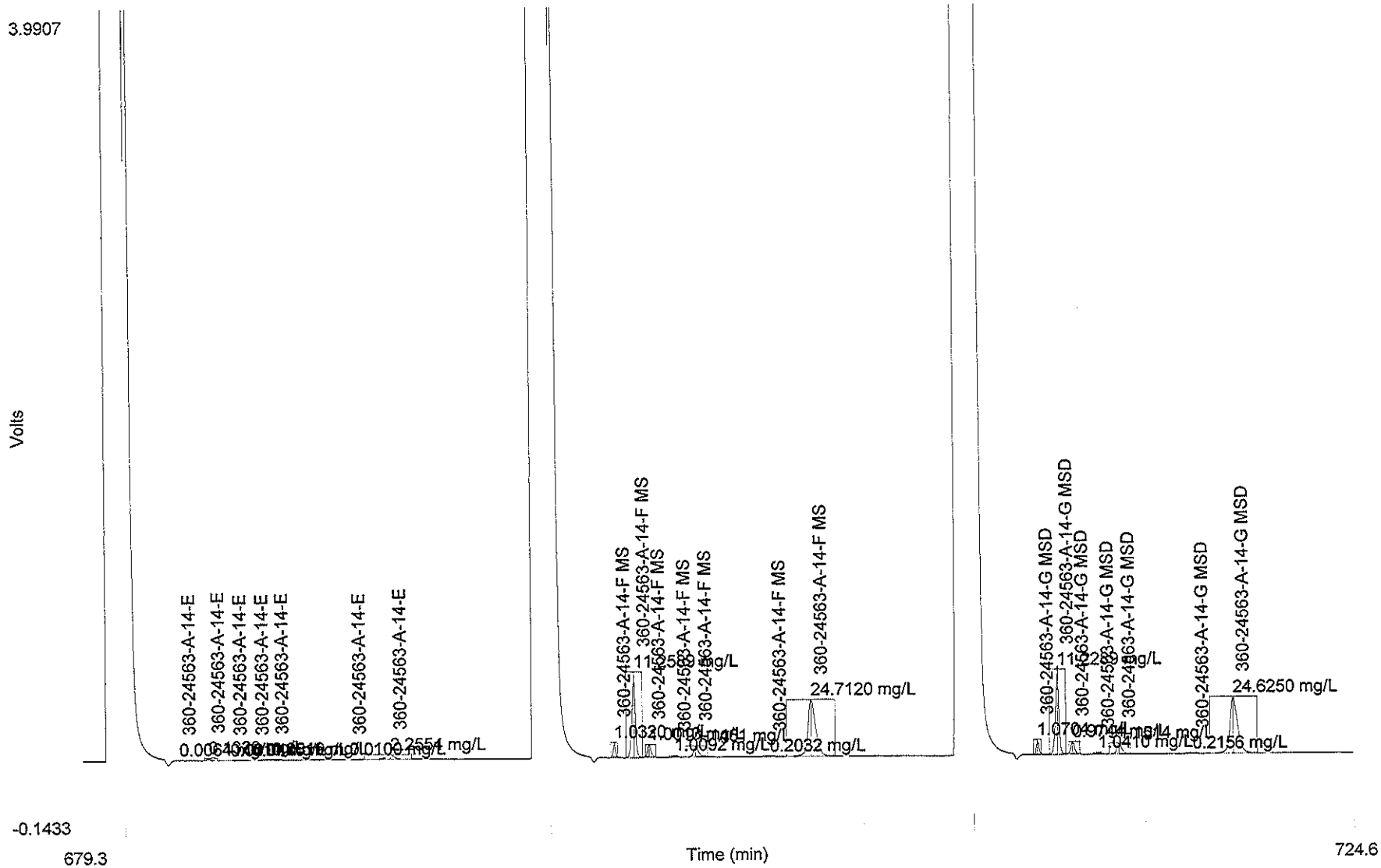
Channel 1 (Anions) : Set 14 of 20



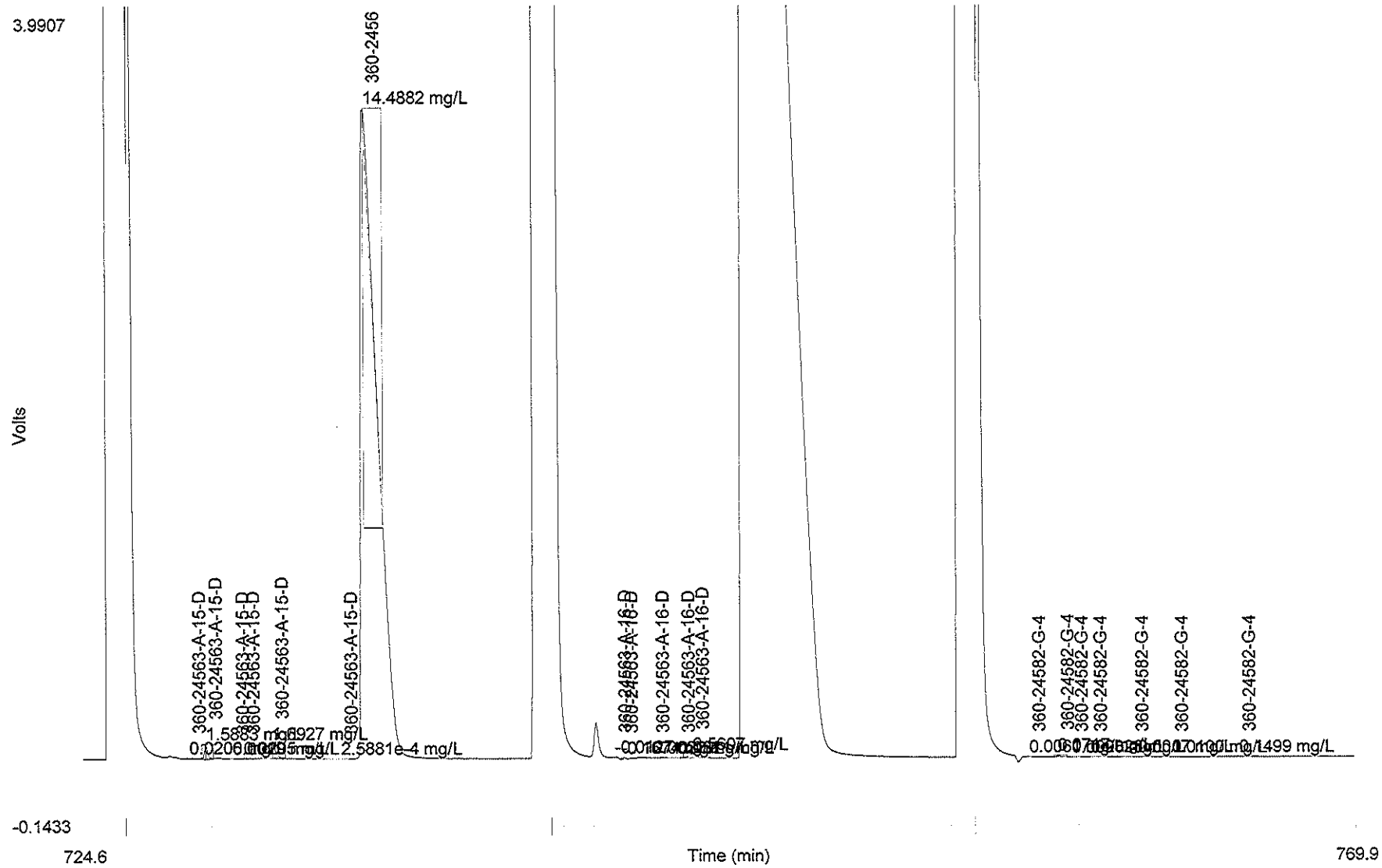
Channel 1 (Anions) : Set 15 of 20



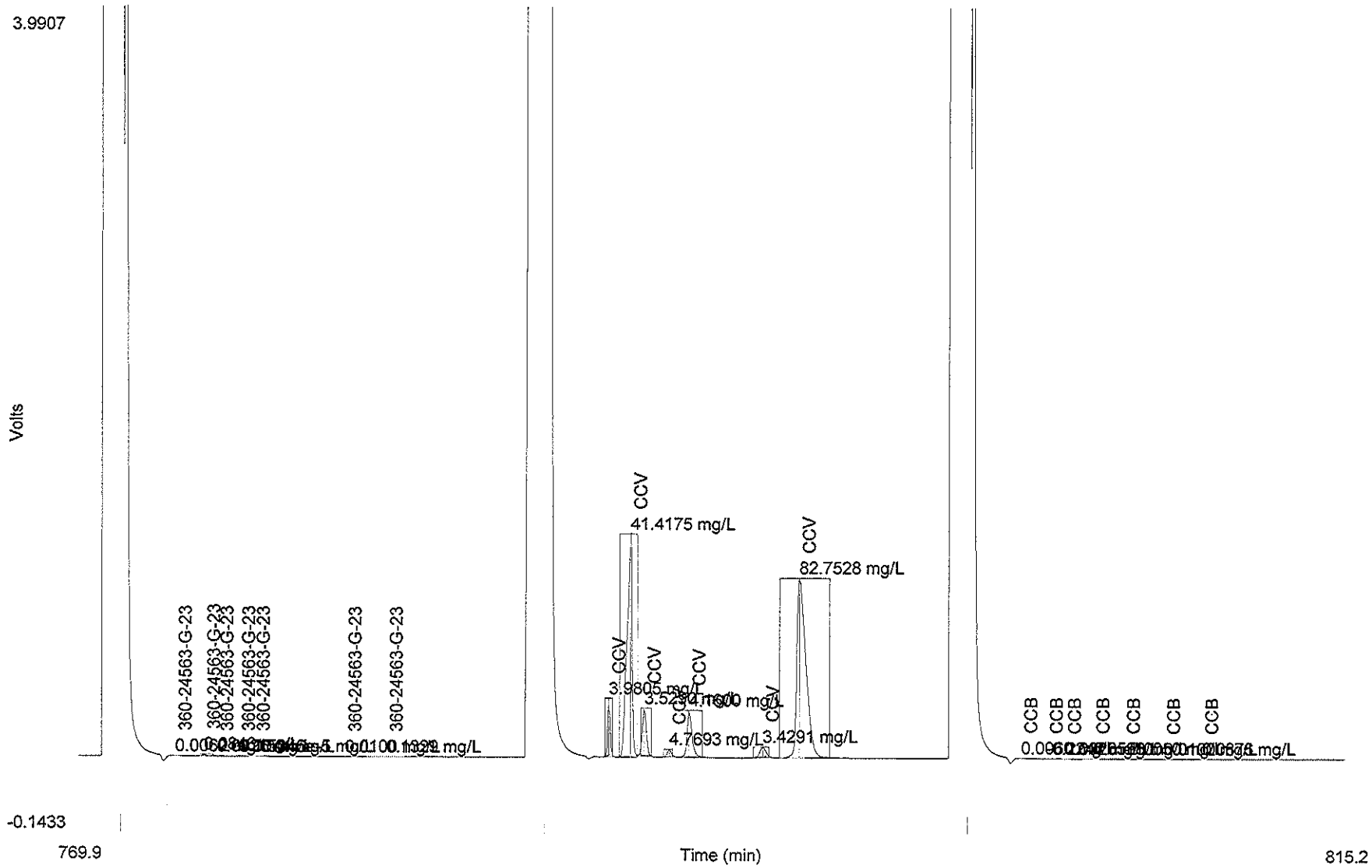
Channel 1 (Anions) : Set 16 of 20



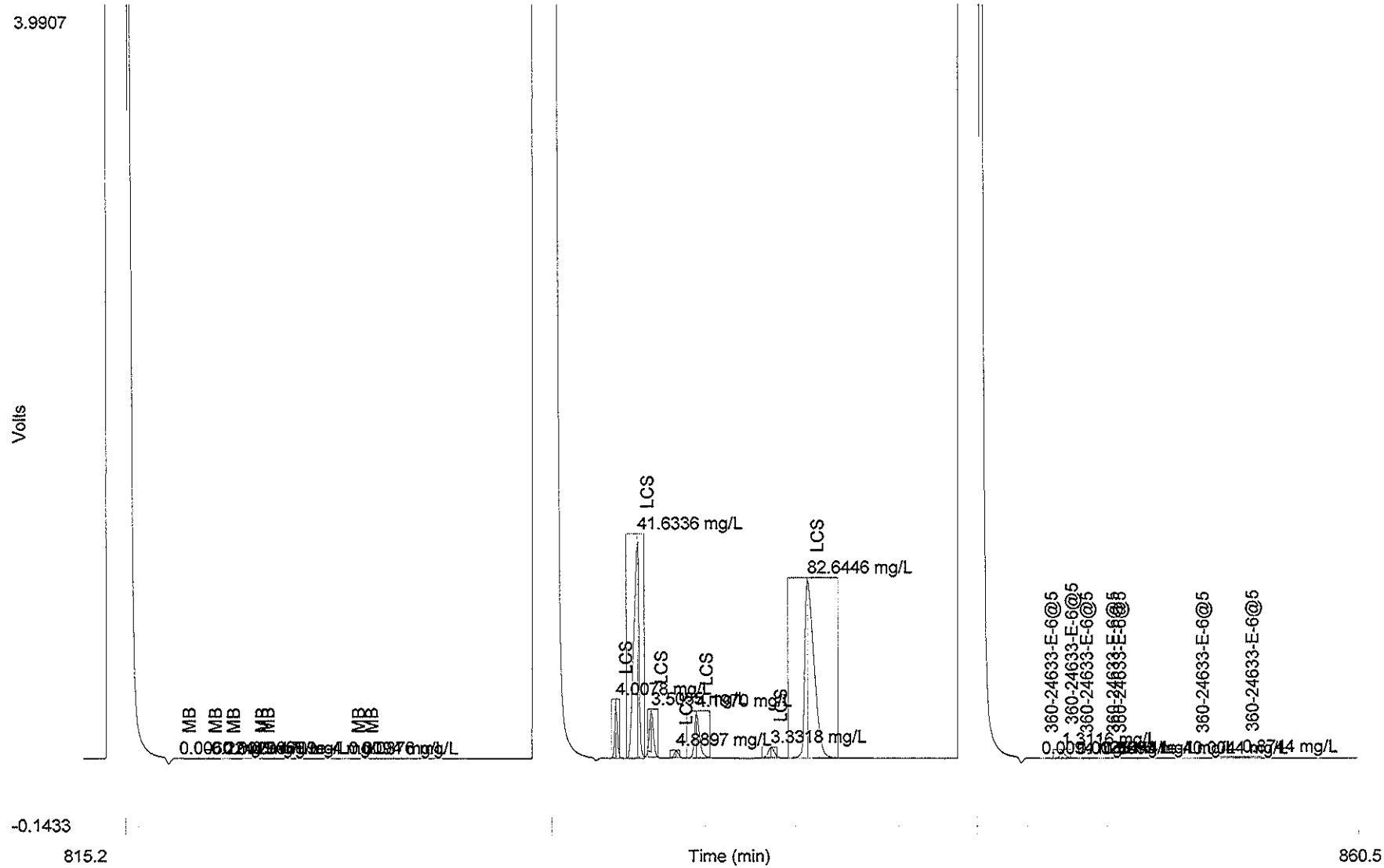
Channel 1 (Anions) : Set 17 of 20



Channel 1 (Anions) : Set 18 of 20



Channel 1 (Anions) : Set 19 of 20



Channel 1 (Anions) : Set 20 of 20

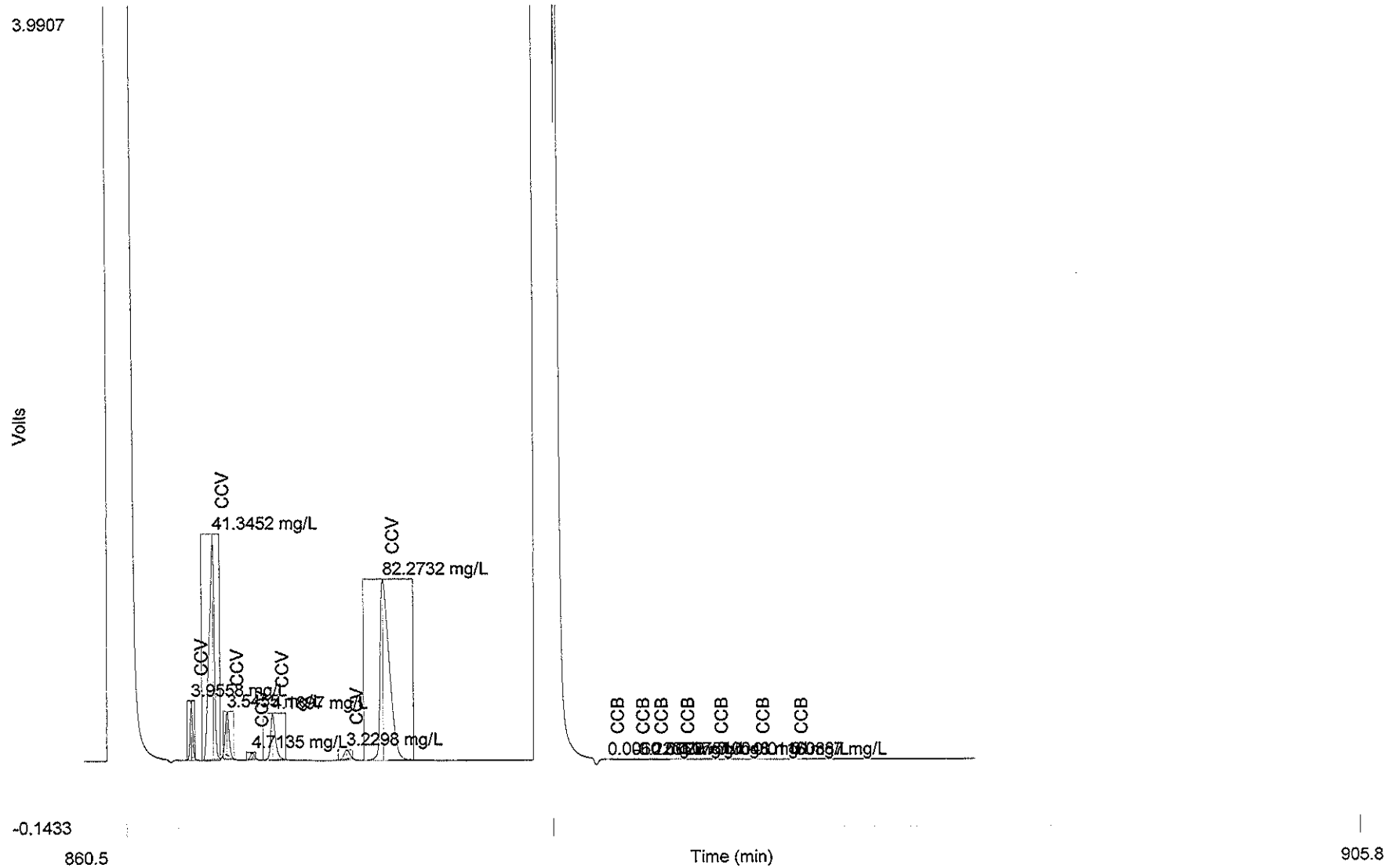
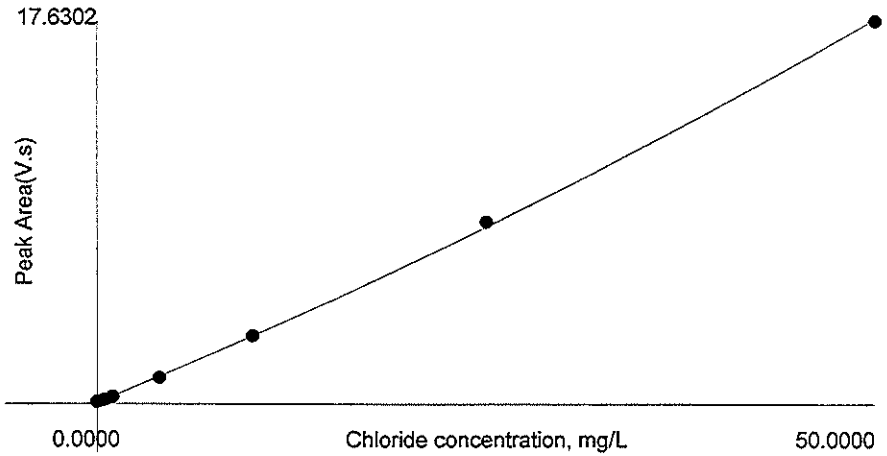


Table 1: Chloride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	50.0000	1	17.6302	1.2381	0.6	9/16/2009	8:28:38 AM
2	25.0000	1	8.3998	0.8041	-2.8	9/16/2009	8:28:38 AM
3	10.0000	1	3.1209	0.3944	0.2	9/16/2009	8:28:38 AM
4	4.0000	1	1.1796	0.1731	6.0	9/16/2009	8:28:38 AM
5	1.0000	1	0.3240	0.0491	7.3	9/16/2009	8:28:38 AM
6	0.5000	1	0.1862	0.0280	7.3	9/16/2009	8:28:39 AM
7	0.0000	1	0.0860	0.0123		9/16/2009	8:28:39 AM

Figure 1: Chloride



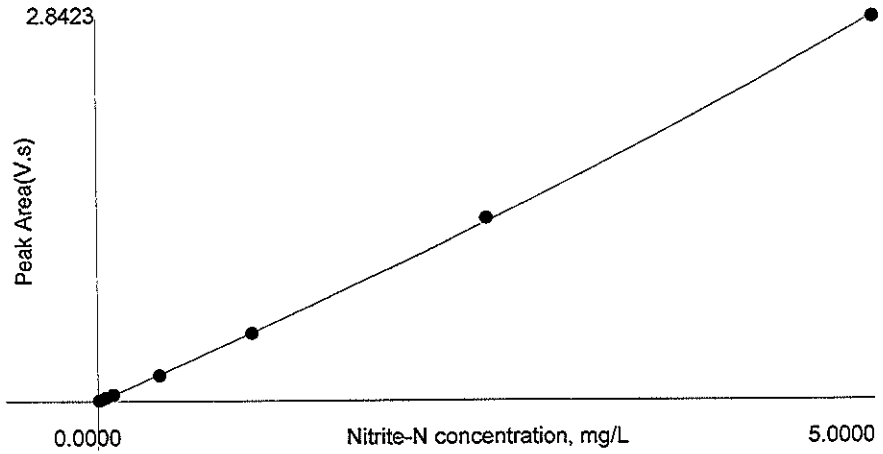
Area = 0.0012 * Conc^2 + 0.2959 * Conc + 0.0524
Conc = - 0.0276 * Area^2 + 3.3141 * Area - 0.1628
Correlation Coefficient (r) = 0.99996

1/x weighting

Table 2: Nitrite-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.8423	0.3563	0.4	9/16/2009	8:28:38 AM
2	2.5000	1	1.3614	0.1777	-2.2	9/16/2009	8:28:38 AM
3	1.0000	1	0.5045	0.0661	1.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.1913	0.0246	4.2	9/16/2009	8:28:38 AM
5	0.1000	1	0.0465	0.0059	4.7	9/16/2009	8:28:38 AM
6	0.0500	1	0.0227	0.0029	5.1	9/16/2009	8:28:39 AM
7	0.0100	1	0.0047	5.8955e-4	-15.9	9/16/2009	8:28:39 AM

Figure 2: Nitrite-N



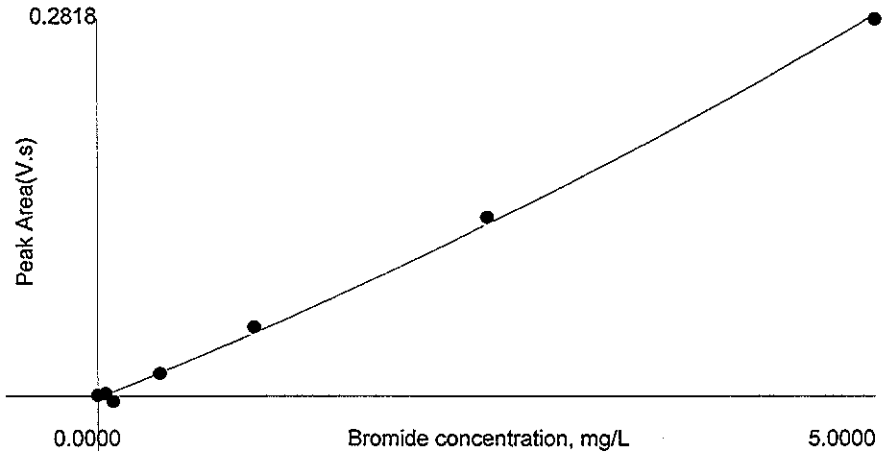
Area = 0.0152 * Conc^2 + 0.4954 * Conc - 9.2754e-4
Conc = - 0.0866 * Area^2 + 1.9960 * Area + 0.0022
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 3: Bromide

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.2818	0.0361	1.2	9/16/2009	8:28:38 AM
2	2.5000	1	0.1343	0.0182	-4.1	9/16/2009	8:28:38 AM
3	1.0000	1	0.0520	0.0071	-9.5	9/16/2009	8:28:38 AM
4	0.4000	1	0.0170	0.0025	3.1	9/16/2009	8:28:38 AM
5	0.1000	1	-0.0041	-1.7744e-4	235.8	9/16/2009	8:28:38 AM
6	0.0500	1	0.0019	2.7542e-4	-189.1	9/16/2009	8:28:39 AM
7	0.0000	1	3.9754e-4	5.4106e-5		9/16/2009	8:28:39 AM

Figure 3: Bromide



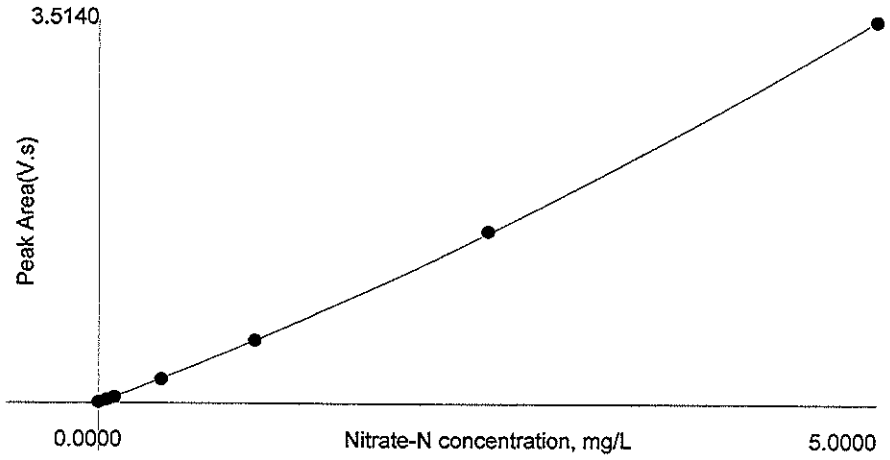
Area = 0.0020 * Conc^2 + 0.0472 * Conc - 0.0017
Conc = 1.0401 * Area^2 + 17.4857 * Area + 0.0426
Correlation Coefficient (r) = 0.99869

1/x weighting

Table 4: Nitrate-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	3.5140	0.2774	0.3	9/16/2009	8:28:38 AM
2	2.5000	1	1.5873	0.1303	-1.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.5799	0.0481	0.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.2202	0.0182	2.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0524	0.0043	7.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0275	0.0022	5.2	9/16/2009	8:28:39 AM
7	0.0000	1	0.0054	4.2853e-4		9/16/2009	8:28:39 AM

Figure 4: Nitrate-N



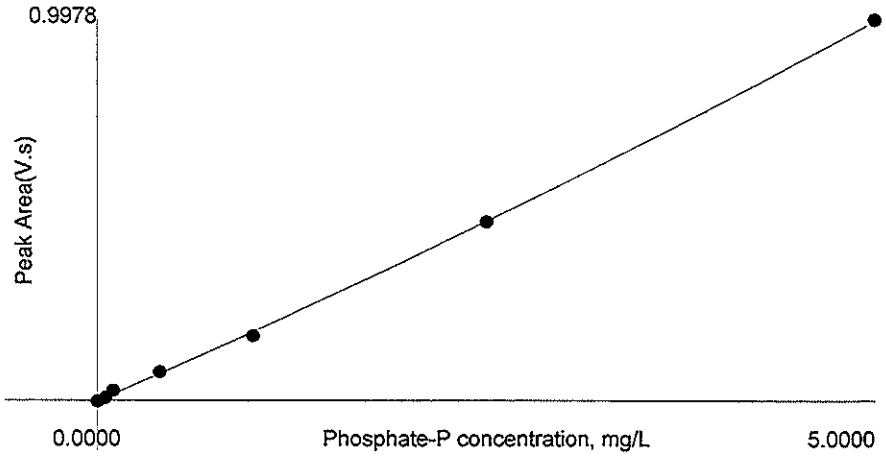
Area = 0.0315 * Conc^2 + 0.5472 * Conc + 0.0015
Conc = - 0.0993 * Area^2 + 1.7665 * Area - 9.5774e-4
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 5: Phosphate-P

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.9978	0.0673	-0.3	9/16/2009	8:28:38 AM
2	2.5000	1	0.4674	0.0326	0.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.1691	0.0121	6.2	9/16/2009	8:28:38 AM
4	0.4000	1	0.0738	0.0050	-5.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0248	0.0019	-52.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0054	4.3257e-4	26.8	9/16/2009	8:28:39 AM
7	0.0000	1	-0.0037	-4.3631e-5		9/16/2009	8:28:39 AM

Figure 5: Phosphate-P



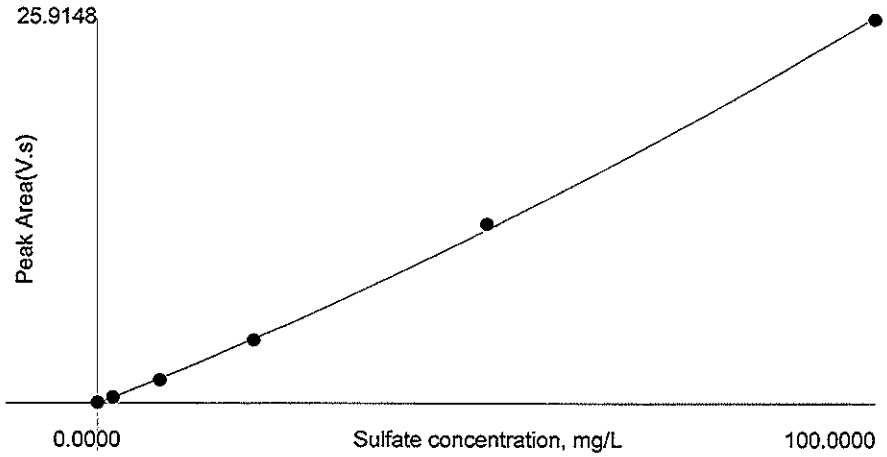
Area = 0.0044 * Conc^2 + 0.1773 * Conc - 0.0015
Conc = - 0.4758 * Area^2 + 5.4952 * Area + 0.0100
Correlation Coefficient (r) = 0.99983

1/x weighting

Table 6: Sulfate

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	100.0000	1	25.9148	1.1124	0.6	9/16/2009	8:28:38 AM
2	50.0000	1	11.9967	0.6060	-3.2	9/16/2009	8:28:38 AM
3	20.0000	1	4.2267	0.2326	1.8	9/16/2009	8:28:38 AM
4	8.0000	1	1.5557	0.0845	6.5	9/16/2009	8:28:38 AM
5	2.0000	1	0.3789	0.0202	6.2	9/16/2009	8:28:39 AM
6	0.0000	1	0.0415	0.0022		9/16/2009	8:28:39 AM

Figure 6: Sulfate



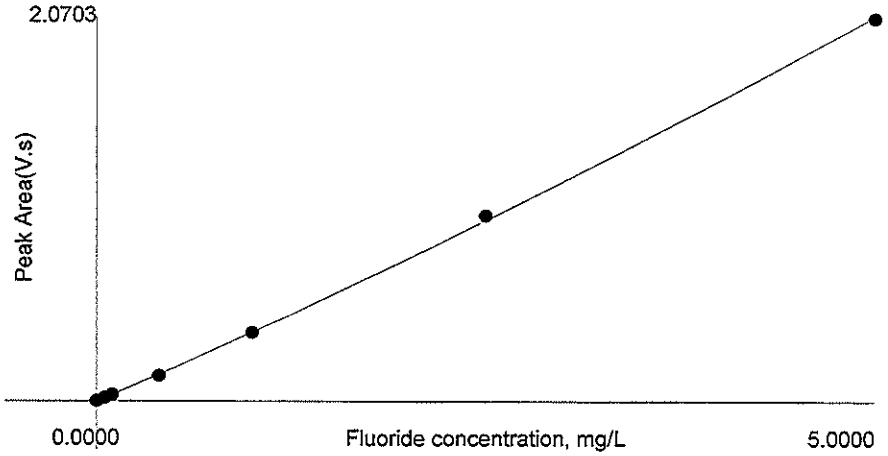
Area = 5.6524e-4 * Conc^2 + 0.2043 * Conc - 0.0068
Conc = - 0.0346 * Area^2 + 4.7266 * Area + 0.0876
Correlation Coefficient (r) = 0.99995

1/x weighting

Table 7: Fluoride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.0703	0.3807	0.6	9/16/2009	8:28:38 AM
2	2.5000	1	0.9955	0.1952	-2.7	9/16/2009	8:28:38 AM
3	1.0000	1	0.3663	0.0733	0.8	9/16/2009	8:28:38 AM
4	0.4000	1	0.1343	0.0263	6.6	9/16/2009	8:28:38 AM
5	0.1000	1	0.0321	0.0062	6.0	9/16/2009	8:28:38 AM
6	0.0500	1	0.0161	0.0031	-0.2	9/16/2009	8:28:39 AM
7	0.0000	1	5.652e-6	1.1027e-5		9/16/2009	8:28:39 AM

Figure 7: Fluoride



Area = 0.0114 * Conc^2 + 0.3600 * Conc - 0.0019
Conc = - 0.1657 * Area^2 + 2.7411 * Area + 0.0060
Correlation Coefficient (r) = 0.99998

1/x weighting

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QC Source Data Sheet—Inorganics Dept

Method (circle one): IC 300_28D IC 300_48HR IC 9056_28D IC 9056_48HR

Date of Analytical Run: 9-21-09

Analyst's Initials: [illegible]

QC Source Type	Manufacturer & Lot Number or Lab ID Source Code
Working Curve Standard	Prep'd on 06 AUG 2009
LCS/LCSD	W09HLCS001
ICV	STLMA-ICAL-3 Lot #B2-MEB26311 (W09DICV001)
CCV	W09HLCS001
MS/MSD	W09DSTK001

QC Standard True Values for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.50	25.0	2.50	2.50	2.50	50.0
ICB	0	0	0	0	0	0
MB	0	0	0	0	0	0
LCS/LCSD	4.00	40.0	4.00	4.00	4.00	80.0
MS/MSD	1.00	10.0	1.00	1.00	1.00	20.0

QC Standard Acceptable Recovery Ranges for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.25-2.75	22.5-27.5	2.25-2.75	2.25-2.75	2.25-2.75	45.0-55.0
ICB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
MB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
LCS/LCSD	3.40-4.60	34.0-46.0	3.40-4.60	3.40-4.60	3.40-4.60	68.0-92.0
MS/MSD	0.75-1.25	7.50-12.5	0.75-1.25	0.75-1.25	0.75-1.25	15.0-25.0

Current Method RLs (mg/L):

	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
	0.10	1.00	0.010	0.10	0.050	2.0

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49186

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/18/2009 2:00:00PM

Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49186/1 N/A	N/A				N/A	N/A	N/A		MB 360-49186/1-A
2	LCS~360-49186/2 N/A	N/A				N/A	N/A	N/A		LCS 360-49186/2-A
3	360-24499-E-1 (300.0_28D)	OCRI-13	Solid	9.94 g	100 mL	9/22/09	9_Days - R	4		360-24499-E-1-A
4	360-24499-A-2 (300.0_28D)	OCRI-13	Solid	10.05 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-2-D
5	360-24499-A-3 (300.0_28D)	OCRI-13	Solid	10.19 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-3-B
6	360-24499-A-5 (300.0_28D)	OCRI-13	Solid	10.04 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-5-D
7	360-24499-A-6 (300.0_28D)	OCRI-13	Solid	10.07 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-6-D
8	360-24499-A-7 (300.0_28D)	OCRI-13	Solid	9.96 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-7-E
9	360-24499-A-14 (300.0_28D)	OCRI-13	Solid	10.19 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-14-D
10	360-24499-A-15 (300.0_28D)	OCRI-13	Solid	10.03 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-15-B
11	360-24499-A-16 (300.0_28D)	OCRI-13	Solid	10.10 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-16-D
12	360-24499-A-17 (300.0_28D)	OCRI-13	Solid	10.00 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-17-E
13	360-24499-A-18 (300.0_28D)	OCRI-13	Solid	10.02 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-18-C
14	360-24499-G-19 (300.0_28D)	OCRI-13	Solid	10.07 g	100 mL	9/22/09	9_Days - R	4		360-24499-G-19-A
	360-24499-A-20 (300.0_28D)	OCRI-13	Solid	10.02 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-20-E

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49186 Analyst: Lalashius, Andrew L Batch Open: 9/18/2009 2:00:00PM

Method Code: 360-DI_LEACH-360 Batch End:

16	360-24499-G-21 (300.0_28D)	OCRI-13	Solid	10.19 g	100 mL	9/22/09	9_Days - R	4		360-24499-G-21-A
17	360-24499-A-22 (300.0_28D)	OCRI-13	Solid	10.06 g	100 mL	9/22/09	9_Days - R	4		360-24499-A-22-E

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49186

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/18/2009 2:00:00PM

Batch End:

Batch Notes

Balance ID

Batch Comment

Blank Soil Lot Number

Comments

Login Comments for Job 24499: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - Samp 1, 7,17,18,19,20,21,22
Limited volume on sample 4 use minium amount. If enough sample I will added EPH/SO4/CL but we need to run other stuff first

360-24499-E-1

Sample Comments: Diphenylamine

360-24499-A-7

Sample Comments: Diphenylamine

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49186 | Analyst: Lalashius, Andrew L | Batch Open: 9/18/2009 2:00:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49243 | Analyst: Lalashius, Andrew L | Batch Open: 9/21/2009 12:15:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49243/1 N/A	N/A				N/A	N/A	N/A		MB 360-49243/1-A
2	LCS~360-49243/2 N/A	N/A				N/A	N/A	N/A		LCS 360-49243/2-A
3	360-24563-A-1 (300.0_28D)	OCRI-14	Solid	9.97 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-1-F
	360-24563-A-2 (300.0_28D)	OCRI-14	Solid	10.12 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-2-F
	360-24563-A-3 (300.0_28D)	OCRI-14	Solid	10.07 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-3-D
	360-24563-I-4 (300.0_28D)	OCRI-14	Solid	10.09 g	100 mL	9/24/09	9_Days - R	4		360-24563-I-4-A
	360-24563-E-5 (300.0_28D)	OCRI-14	Solid	10.06 g	100 mL	9/24/09	9_Days - R	4		360-24563-E-5-A
8	360-24563-E-5~MS (300.0_28D)	OCRI-14	Solid	10.06 g	100 mL	9/24/09	9_Days - R	4		360-24563-E-5-B MS
9	360-24563-E-5~MSD (300.0_28D)	OCRI-14	Solid	10.06 g	100 mL	9/24/09	9_Days - R	4		360-24563-E-5-C MSD
10	360-24563-A-6 (300.0_28D)	OCRI-14	Solid	9.99 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-6-F
11	360-24563-A-7 (300.0_28D)	OCRI-14	Solid	10.01 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-7-D
12	360-24563-E-9 (300.0_28D)	OCRI-14	Solid	10.19 g	100 mL	9/24/09	9_Days - R	4		360-24563-E-9-A
13	360-24563-A-11 (300.0_28D)	OCRI-14	Solid	10.05 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-11-E
14	360-24563-A-12 (300.0_28D)	OCRI-14	Solid	10.33 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-12-E
	360-24563-A-13 (300.0_28D)	OCRI-14	Solid	10.13 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-13-D

Page 2650 of 2827
10/13/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49243 Analyst: Lalashius, Andrew L Batch Open: 9/21/2009 12:15:00PM

Method Code: 360-DI_LEACH-360 Batch End:

16	360-24563-A-14 (300.0_28D)	OCRI-14	Solid	10.02 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-14-E
17	360-24563-A-14~MS (300.0_28D)	OCRI-14	Solid	10.02 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-14-F MS
18	360-24563-A-14~MSD (300.0_28D)	OCRI-14	Solid	10.02 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-14-G MSD
19	360-24563-A-15 (300.0_28D)	OCRI-14	Solid	10.01 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-15-D
20	360-24563-A-16 (300.0_28D)	OCRI-14	Solid	10.00 g	100 mL	9/24/09	9_Days - R	4		360-24563-A-16-D

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49243 | Analyst: Lalashius, Andrew L | Batch Open: 9/21/2009 12:15:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Batch Comment

Blank Soil Lot Number

Comments

Login Comments for Job 24563: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine on samples 1,2,3,4,5,6,7,9,11,12,13,14,15,16

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49243 Analyst: Lalashius, Andrew L Batch Open: 9/21/2009 12:15:00PM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: 300.0_48H / 28D

Date of Analytical Run: 9-25-09

Primary Reviewer's Initials: AH

Date of Primary Review: 9-28-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-28-09

Batch Numbers	49532	49533	49554	49555	49556	49557

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only) **9012:** ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

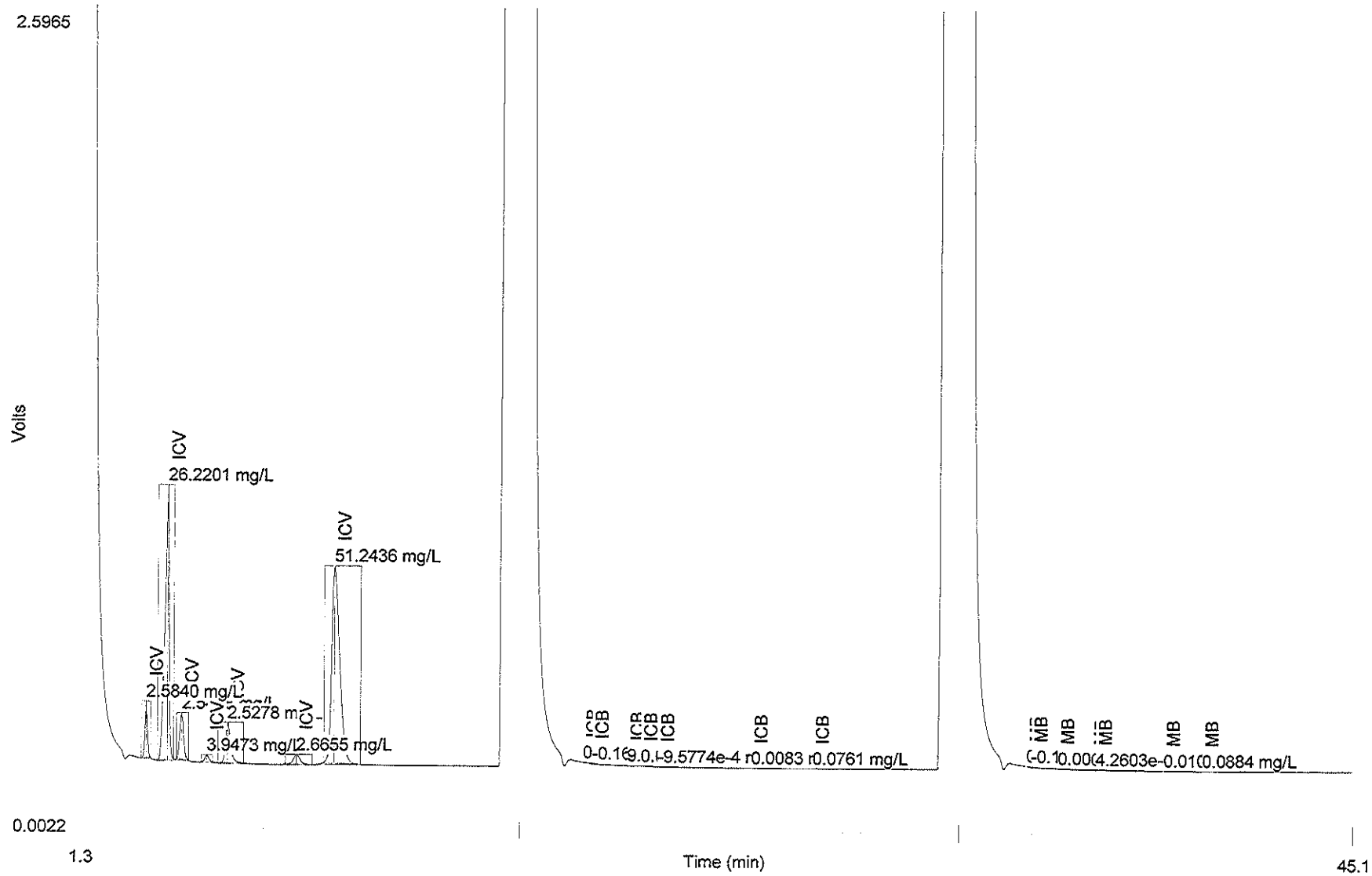
Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?	X			**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)	X			20857
Were any jobs in this batch Level 4?	✓			24582
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			B49554, B49555

Original Run Filename: OM_9-25-2009_10-46-27AM.OMN created 9/25/2009 10:46:27 AM
Original Run Author's Signature: [lalashiusa]
Current Run Filename: OM_9-25-2009_10-46-27AM.OMN last modified 9/26/2009 12:21:38 AM
Current Run Author's Signature: [lalashiusa]
Description: Triggered autodilution test

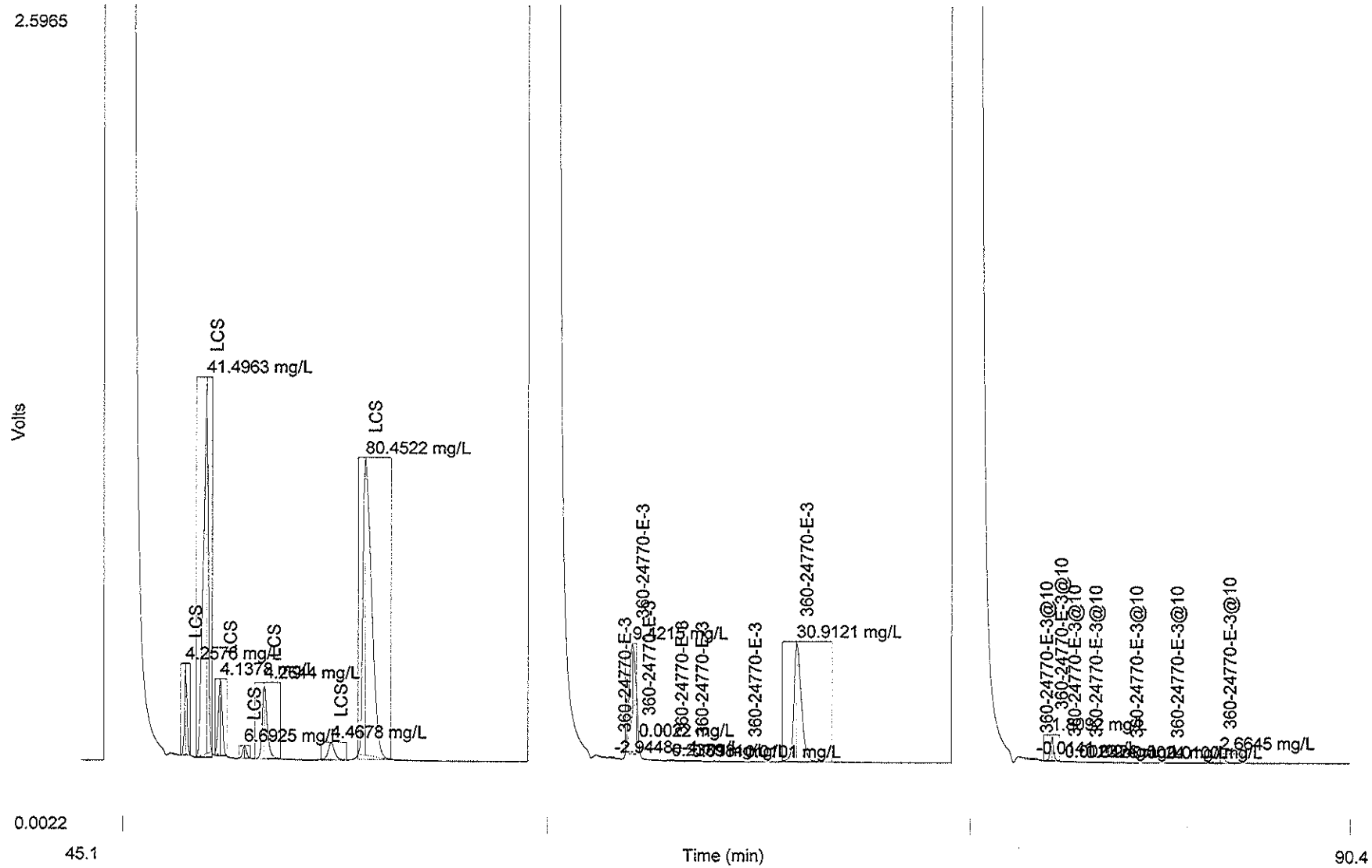
Sample	Cup No.	Channel 1							Detection Time
		Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	
ICV	1	3.9473	26.2201	2.5840	2.5278	2.5438	2.6655	51.2436	9/25/2009@10:47:47 AM
Known Conc:		2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
Calibration:		Table/Fig. 3	Table/Fig. 1		Table/Fig. 4	Table/Fig. 2	Table/Fig. 5	Table/Fig. 6	
ICB	S9	0.0690	-0.1610	0.0060	-9.5774e-4	9.1918e-4	0.0083	0.0761	9/25/2009@11:02:51 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Calibration:				Table/Fig. 7					
MB	S9	0.0426	-0.1609	0.0060	4.2603e-4	0.0022	0.0100	0.0884	9/25/2009@11:17:56 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	6.6925	41.4963	4.2576	4.2644	4.1378	4.4678	80.4522	9/25/2009@11:33:01 AM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24770-E-3	2	0.2339	9.4215	-2.9448e-4	0.0181	0.0022	0.0101	30.9121	9/25/2009@11:48:12 AM
360-24770-E-3@10	3	0.0426	1.8092	-0.0141	-0.0024	0.0022	0.0100	2.6645	9/25/2009@12:03:19 PM
360-24770-E-4	4	0.0426	2.5002	0.0067	0.1245	3.7487e-4	0.0232	9.6289	9/25/2009@12:18:25 PM
360-24770-E-4@10	5	0.0413	0.2414	0.0067	0.0095	0.0023	0.0081	1.0057	9/25/2009@12:33:31 PM
360-24770-E-5	6	-0.3217	-14.1021	0.1527	-0.0054	-4.2278	0.0504	19.9843	9/25/2009@12:48:39 PM
360-24770-E-5@10	7	0.0703	3.0343	0.0060	-9.5774e-4	0.0022	0.0332	1.7914	9/25/2009@1:03:45 PM
360-24770-E-6	8	0.0426	5.7602	-0.0043	-9.4907e-4	0.0022	0.0487	16.0036	9/25/2009@1:18:51 PM
360-24770-E-6@10	9	0.0426	0.5135	0.0060	-0.0055	0.0022	0.0238	1.5248	9/25/2009@1:33:57 PM
360-24770-E-7	10	0.0426	11.6848	0.0103	0.0197	-0.0099	-0.0082	48.3108	9/25/2009@1:49:03 PM
360-24770-E-7@10	11	0.0426	0.9860	-0.0188	-9.5518e-4	0.0022	0.0151	4.1064	9/25/2009@2:04:08 PM
CCV	S10	6.6098	41.4154	4.2448	4.2893	4.1505	4.5991	81.4734	9/25/2009@2:19:15 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0426	-0.1608	0.0055	-9.5036e-4	0.0022	-0.0068	0.0880	9/25/2009@2:34:20 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-24770-E-14	12	0.0570	5.8658	-0.0041	0.0118	0.0022	0.0591	15.9917	9/25/2009@2:49:25 PM
360-24770-E-14@10	13	0.0427	0.5644	0.0075	-8.6871e-4	0.0022	0.0319	1.5454	9/25/2009@3:04:31 PM
360-24770-E-14 ms@10	14	1.5048	11.1098	1.0418	1.0367	1.0330	0.3988	22.2704	9/25/2009@3:19:36 PM
360-24770-E-14 msd@10	14	1.5157	10.6824	1.0335	1.0027	0.9742	0.3851	21.1799	9/25/2009@3:34:41 PM
360-24582-A-1-F	15	0.0427	0.5045	0.0956	-0.0066	0.0022	0.0368	16.6336	9/25/2009@3:49:47 PM
360-24582-A-5-E	16	0.0426	0.3565	0.0060	-0.0070	0.0027	0.0206	0.8835	9/25/2009@4:04:53 PM
360-24582-A-6-E	17	0.0431	0.4427	0.0027	-9.0211e-4	0.0022	0.0307	1.3528	9/25/2009@4:20:00 PM
360-24582-A-7-E	18	0.0428	0.4297	0.0045	-0.0031	0.0022	0.0308	2.1999	9/25/2009@4:35:07 PM
360-24582-A-9-F	19	0.0437	0.2011	0.0060	0.0786	0.0029	0.0209	0.5881	9/25/2009@4:50:14 PM
360-24582-A-10-E	20	0.0308	0.0515	0.0060	0.0186	0.0027	-0.0183	0.3473	9/25/2009@5:05:20 PM
CCV	S10	6.4805	41.4428	4.2316	4.2799	4.1529	4.6094	82.0451	9/25/2009@5:19:54 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0368	-0.1603	0.0036	-9.5746e-4	0.0015	0.0207	0.0887	9/25/2009@5:34:05 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0430	-0.1603	0.0060	-0.0037	0.0022	1.3214e-4	0.0876	9/25/2009@5:49:08 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

LCS	S10	6.1052	41.3714	4.2031	4.2578	4.1557	4.6346	82.2871	9/25/2009@6:05:33 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24582-A-11-E	21	0.0403	0.3619	-0.0227	0.0586	0.0029	0.0213	2.6848	9/25/2009@6:20:50 PM
360-24582-A-12-E	22	0.0426	0.1140	0.0073	0.1418	0.0033	0.0039	0.6773	9/25/2009@6:35:55 PM
360-24582-A-13-E	23	0.0427	0.0984	-0.0012	0.0210	0.0031	0.0419	0.5333	9/25/2009@6:51:02 PM
360-24582-A-14-F	24	0.0426	0.0931	0.0240	-9.5666e-4	0.0024	0.0016	0.2621	9/25/2009@7:05:16 PM
360-24582-A-16-E	25	0.0426	0.4370	0.0103	0.0557	0.0035	0.0479	0.6312	9/25/2009@7:19:44 PM
360-24582-A-17-F	26	0.0426	0.1406	0.0256	0.0743	0.0015	0.2366	0.3980	9/25/2009@7:34:51 PM
360-24582-A-19-E	27	0.0432	0.1498	0.0262	0.0497	0.0032	0.0333	0.4994	9/25/2009@7:49:54 PM
360-24582-A-20-E	28	0.0426	2.3341	0.0726	0.0765	0.0022	0.0784	1.7633	9/25/2009@8:05:00 PM
360-24582-E-21-B	29	0.0426	0.0906	0.0037	0.0743	0.0025	0.1195	0.1791	9/25/2009@8:20:06 PM
CCV	S10	6.6095	41.4349	4.2191	4.3035	4.2055	4.6302	81.6545	9/25/2009@8:35:11 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0442	-0.1604	0.0060	-9.3409e-4	0.0022	0.0018	0.0876	9/25/2009@8:50:17 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0429	-0.1603	0.0060	-9.3419e-4	0.0023	0.0094	0.0875	9/25/2009@9:05:22 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	6.2228	41.6986	4.1945	4.2760	4.1752	4.6667	82.2273	9/25/2009@9:20:28 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24582-E-22-D	30	0.0426	0.0487	0.0037	0.0456	0.0024	0.0950	0.2007	9/25/2009@9:35:33 PM
360-24582-E-22-E MS	31	1.5394	10.5735	1.0792	1.1008	1.0399	0.4668	20.8834	9/25/2009@9:50:40 PM
360-24582-E-22-F MSD	31	1.5411	10.6199	1.0788	1.0956	1.0413	0.4808	20.9459	9/25/2009@10:05:47 PM
360-24776-A-1	32	0.0426	6.3945	0.0073	5.0522	0.0022	0.0284	4.0740	9/25/2009@10:20:53 PM
360-24776-A-1@10	33	0.0426	0.6180	0.0073	0.5125	0.0020	0.0159	0.4674	9/25/2009@10:36:00 PM
360-24778-A-2	34	0.0426	13.4213	0.0081	0.4866	0.0022	-0.0014	51.3432	9/25/2009@10:51:07 PM
360-24778-A-2@10	35	0.0420	1.2712	0.0060	0.0449	0.0027	0.0183	4.4928	9/25/2009@11:06:13 PM
360-24647-A-3@20	36	0.0426	34.4099	0.0060	0.0284	0.0022	0.0631	1.3380	9/25/2009@11:21:20 PM
360-24647-A-4@5	37	0.0426	11.9366	0.0061	0.6731	0.0022	0.0381	3.2338	9/25/2009@11:36:26 PM
CCV	S10	6.4285	41.6366	4.1633	4.2921	4.2006	4.6509	82.5163	9/25/2009@11:51:32 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0425	-0.2457	0.0059	-0.0054	0.0012	0.0043	0.0876	9/26/2009@12:06:37 AM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	

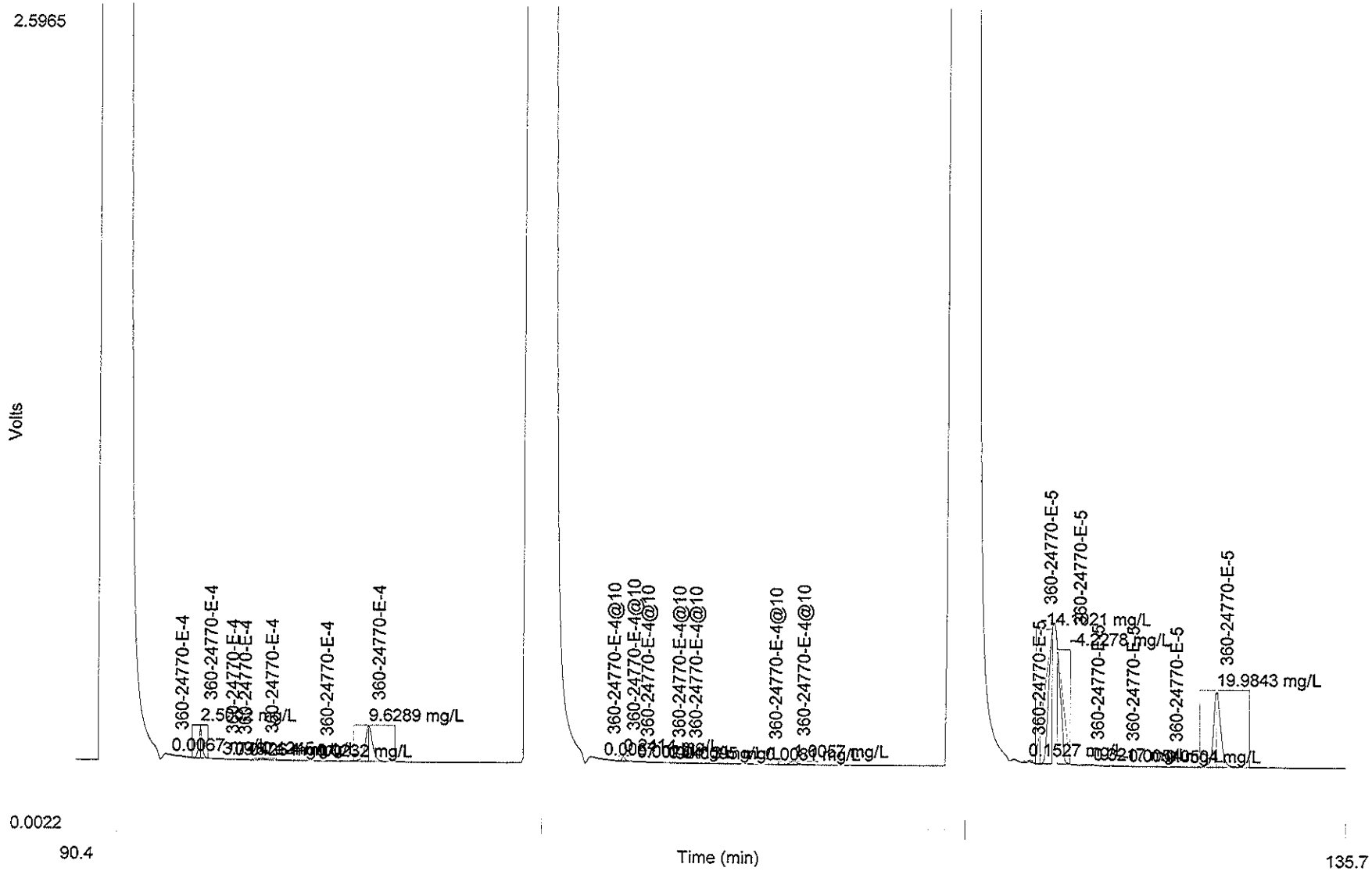
Channel 1 (Anions) : Set 1 of 18



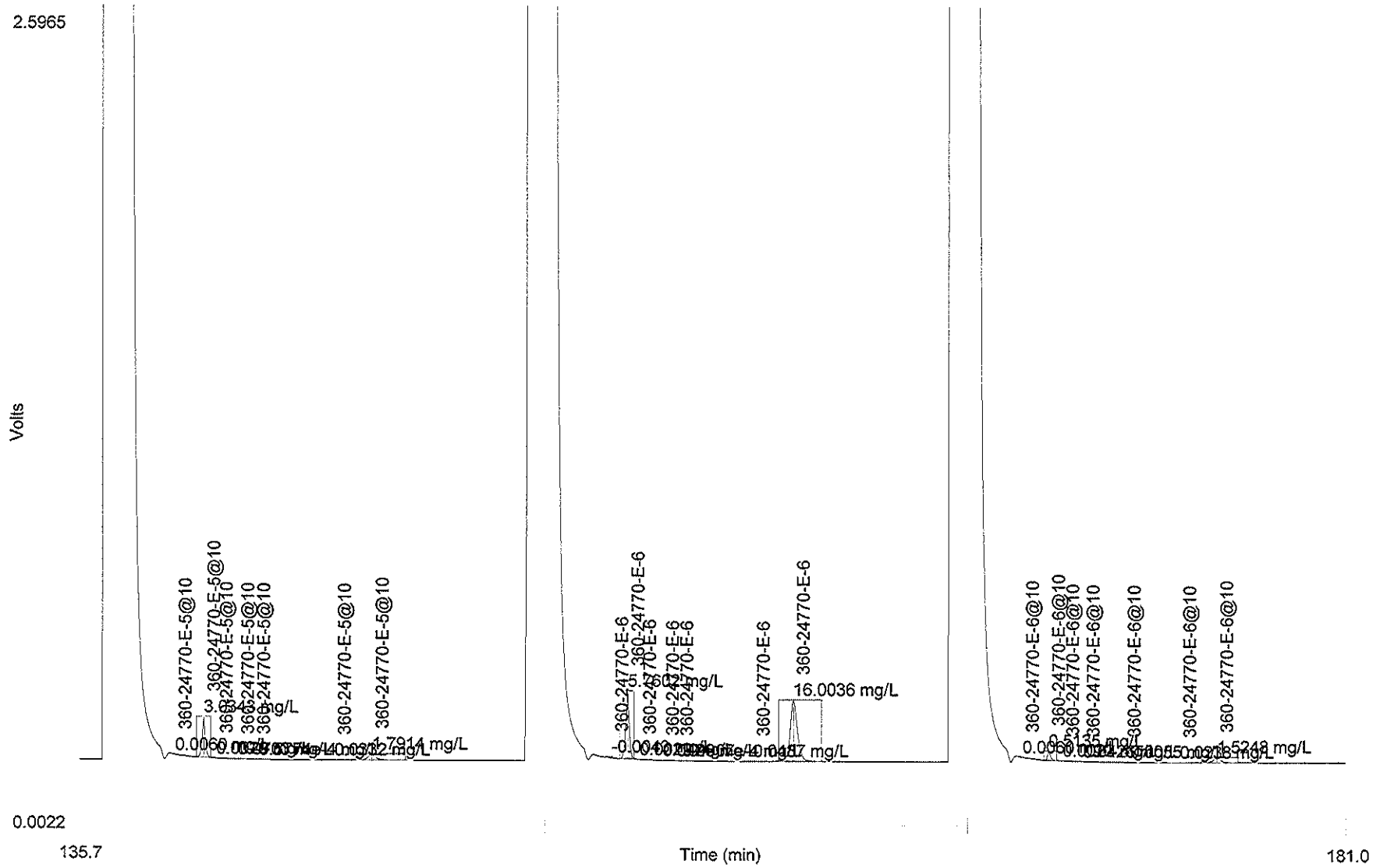
Channel 1 (Anions) : Set 2 of 18



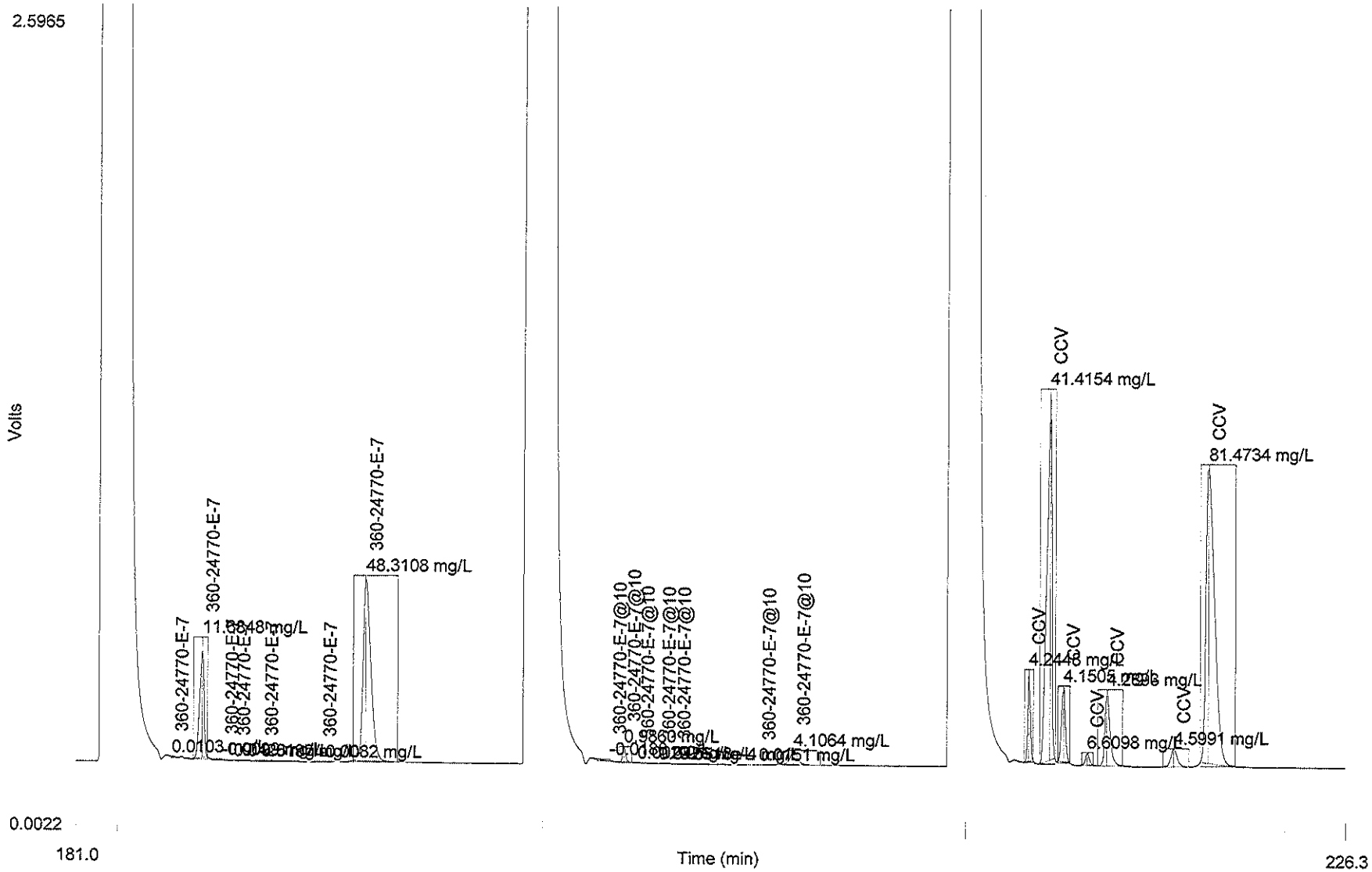
Channel 1 (Anions) : Set 3 of 18



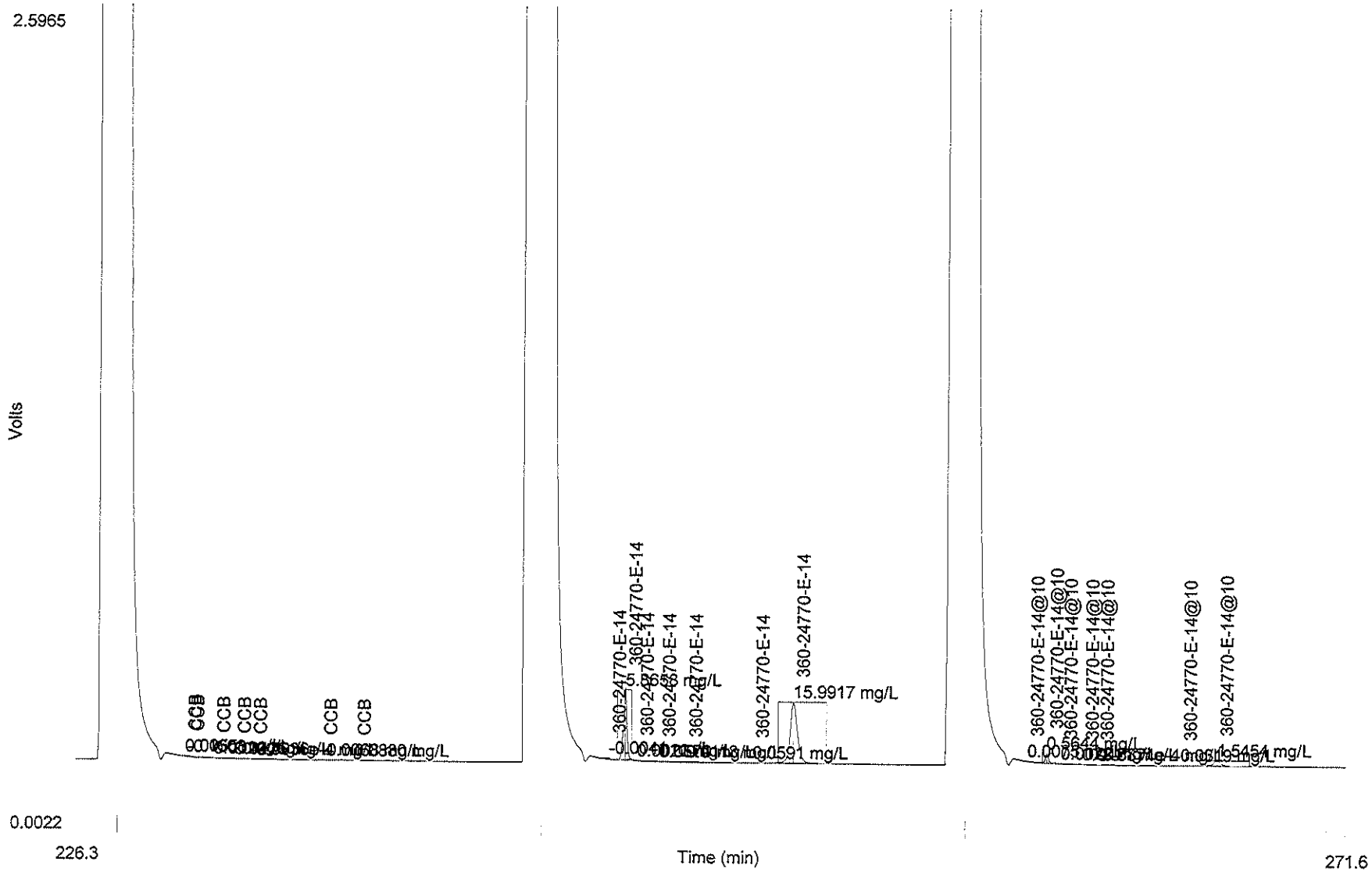
Channel 1 (Anions) : Set 4 of 18



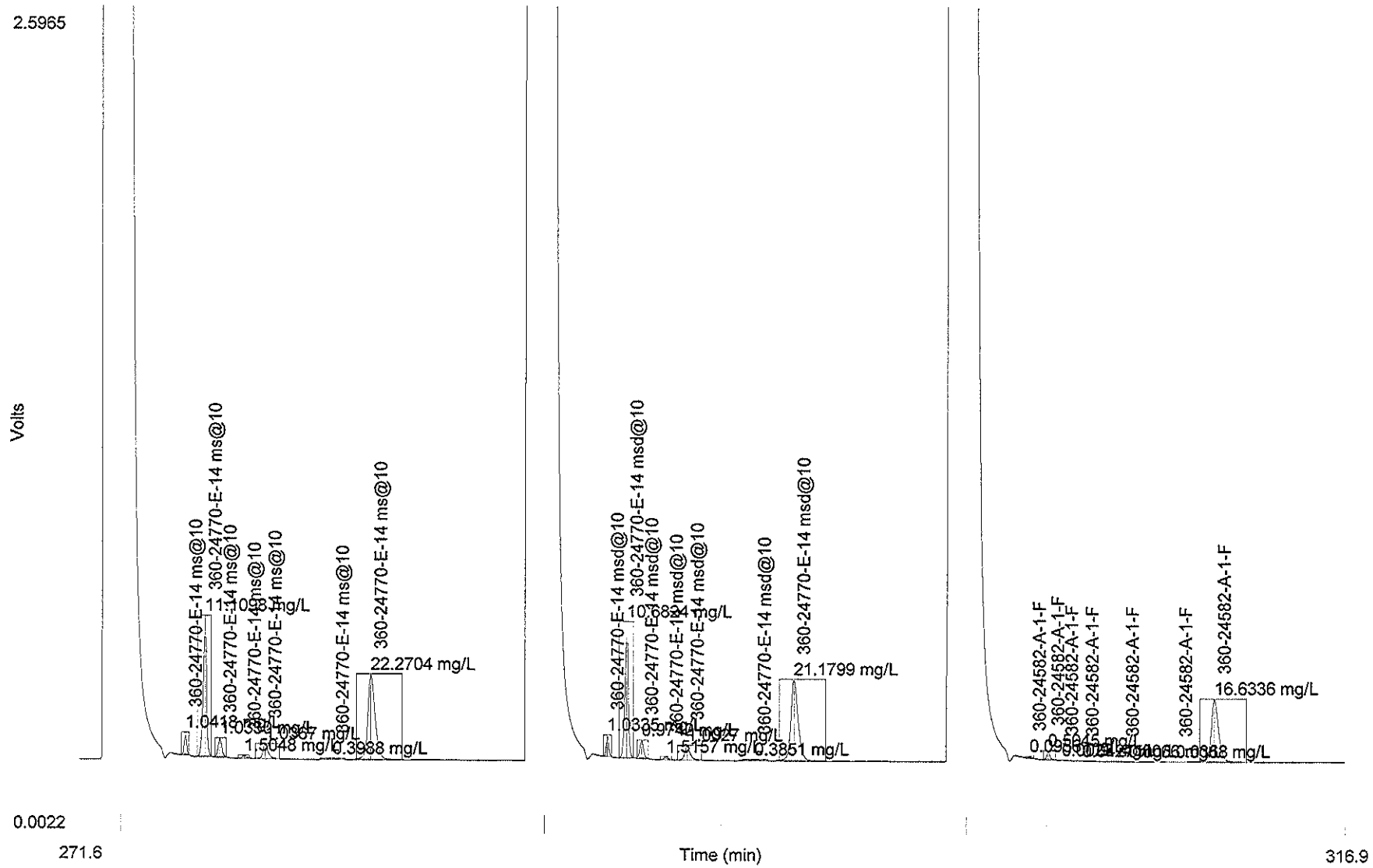
Channel 1 (Anions) : Set 5 of 18



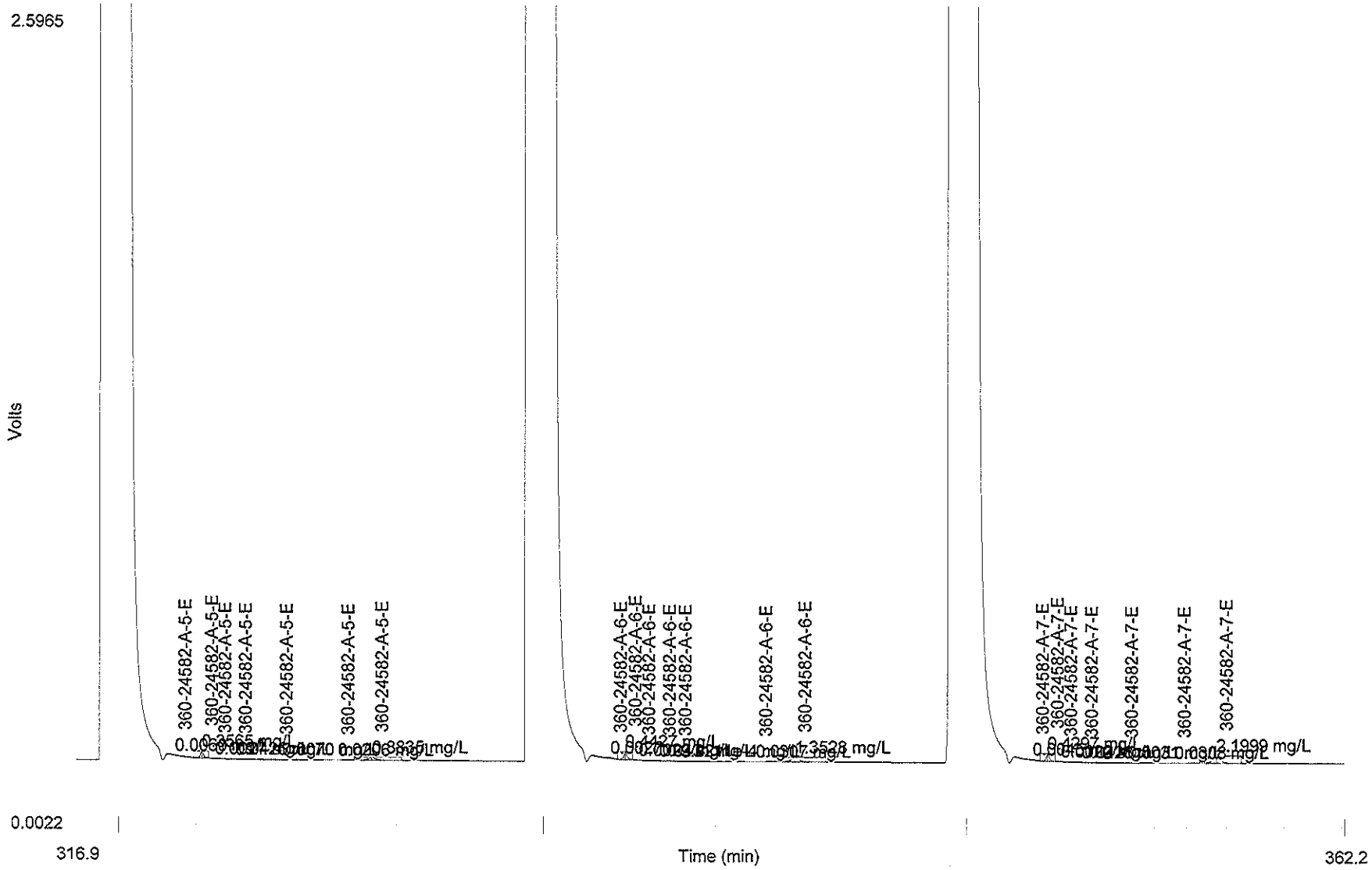
Channel 1 (Anions) : Set 6 of 18



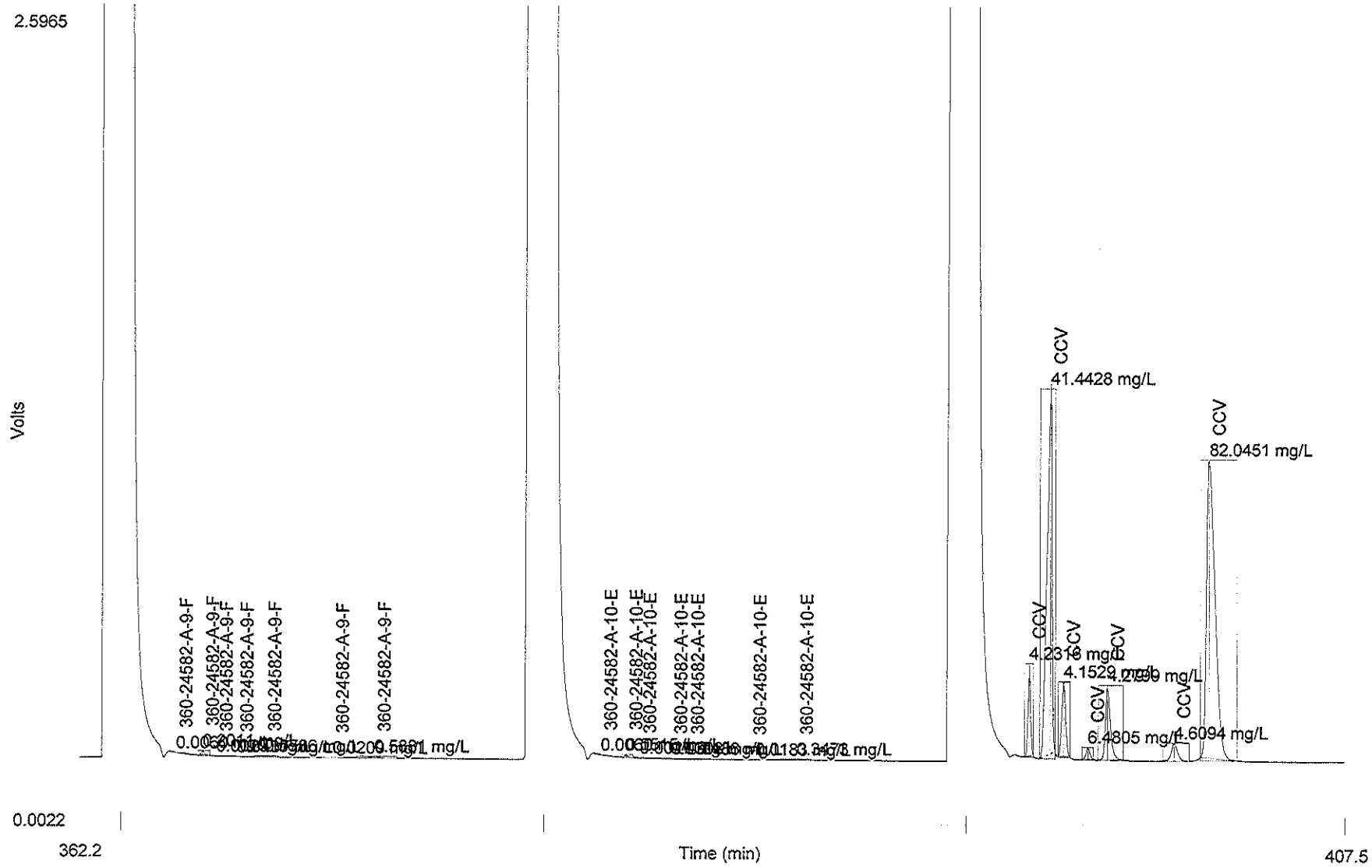
Channel 1 (Anions) : Set 7 of 18



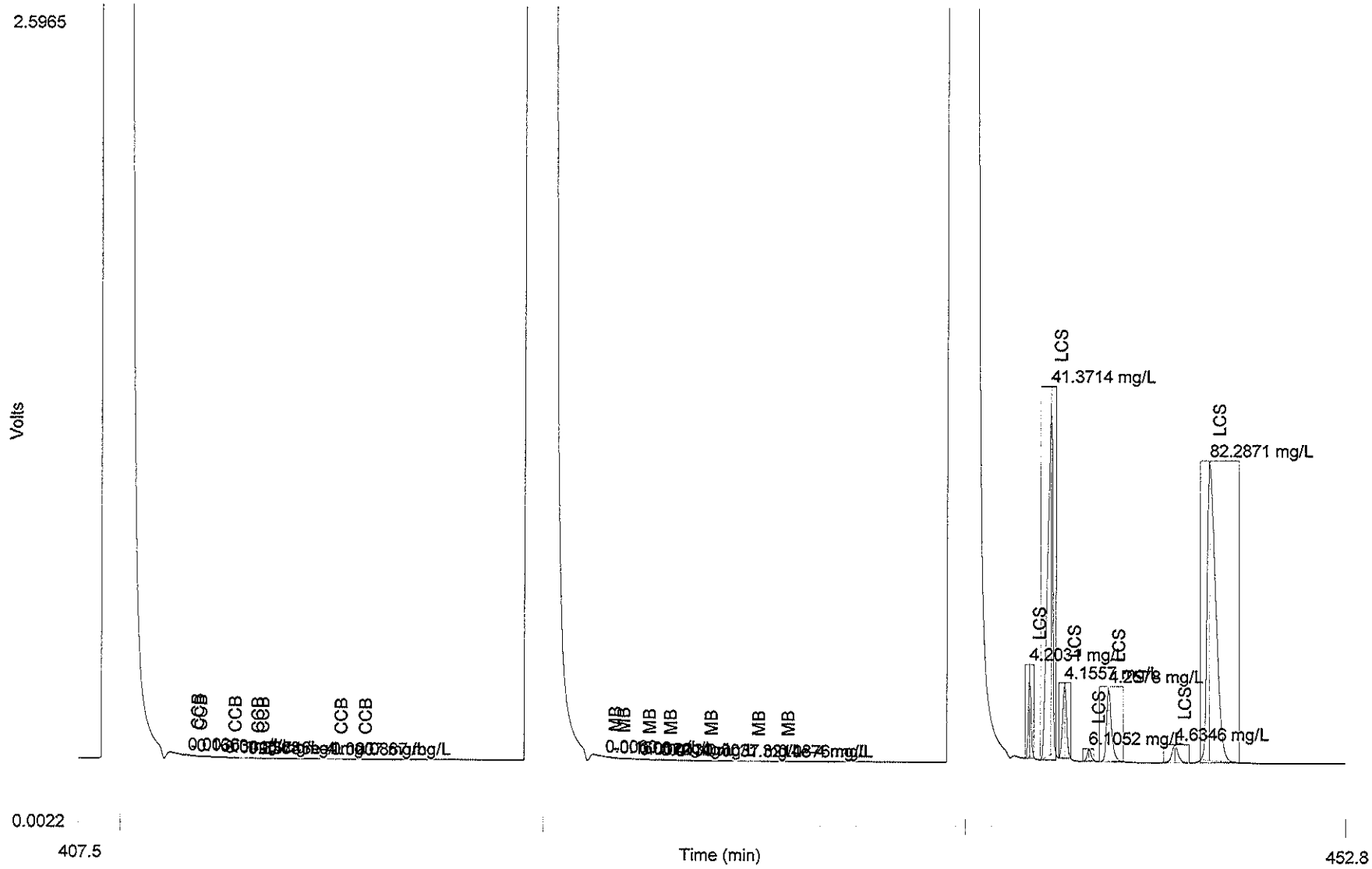
Channel 1 (Anions) : Set 8 of 18



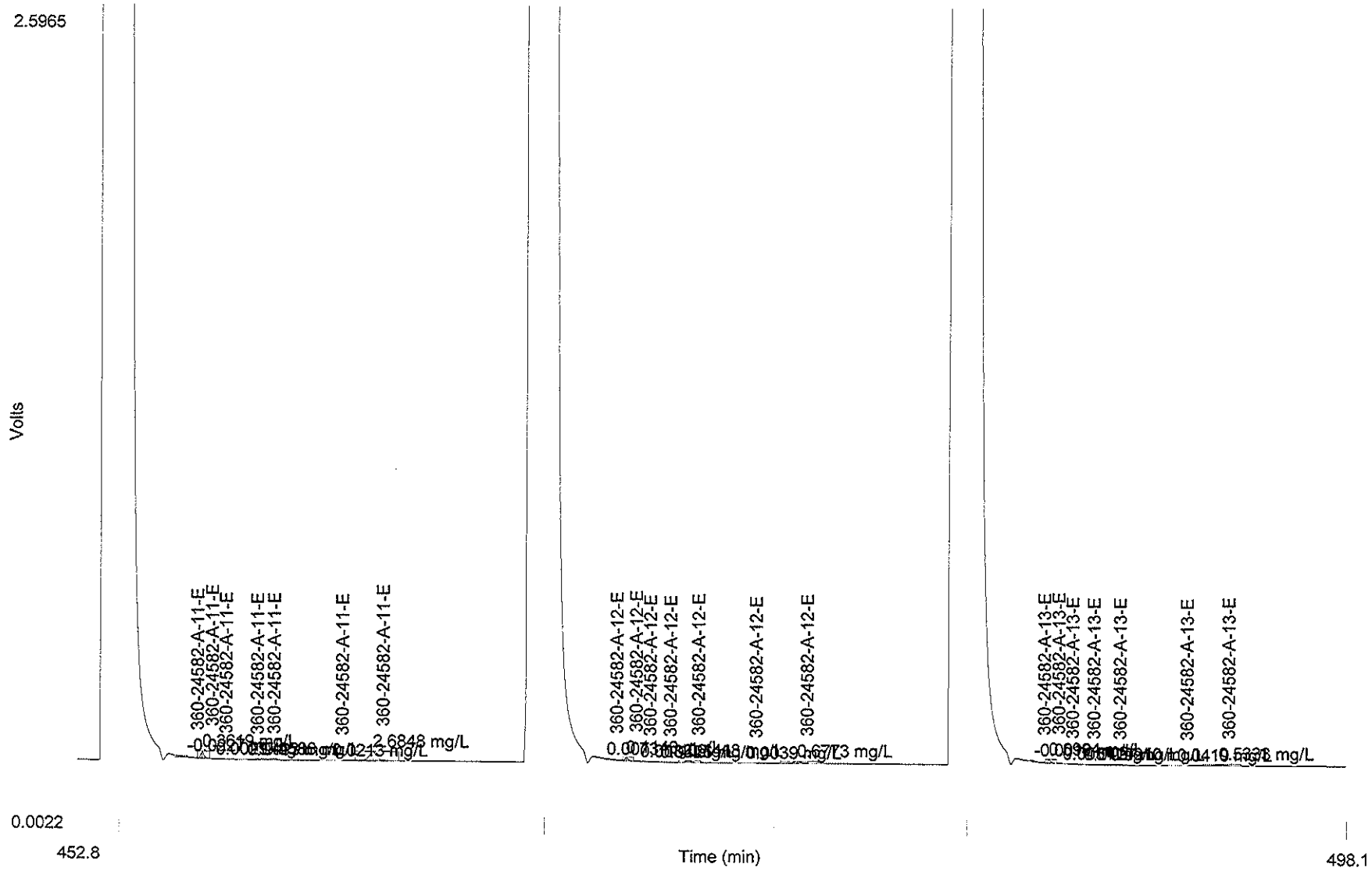
Channel 1 (Anions) : Set 9 of 18



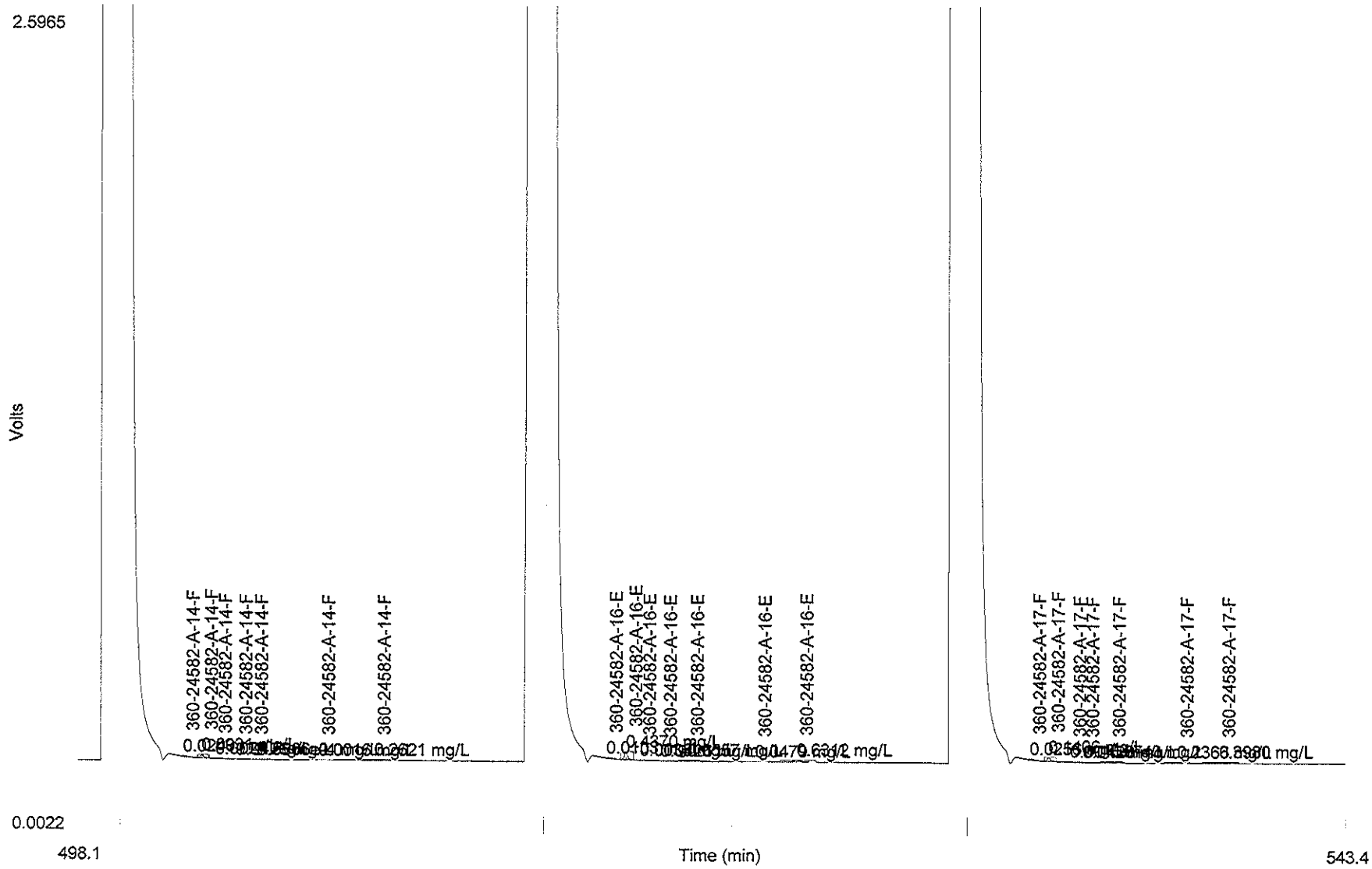
Channel 1 (Anions) : Set 10 of 18



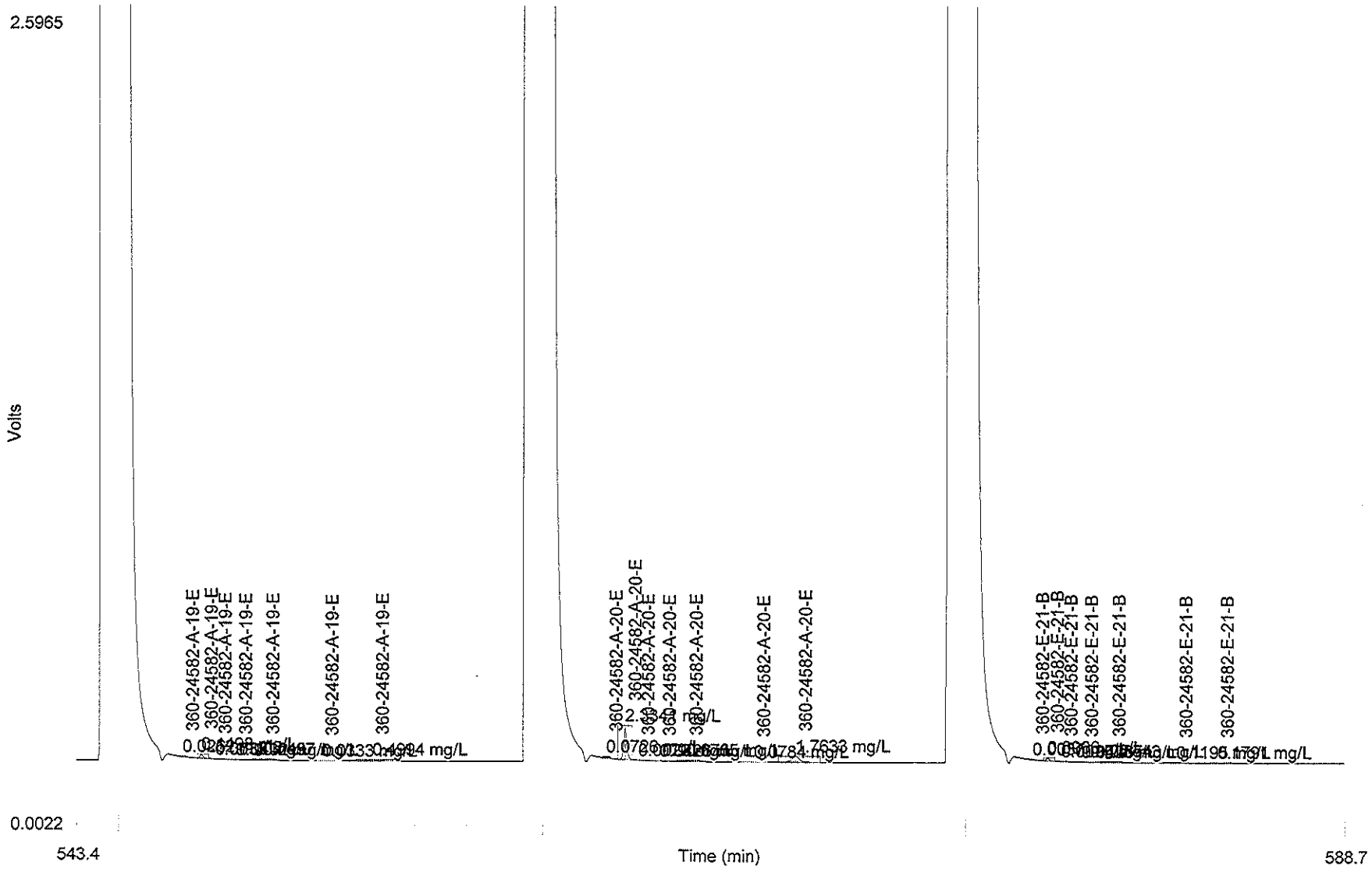
Channel 1 (Anions) : Set 11 of 18



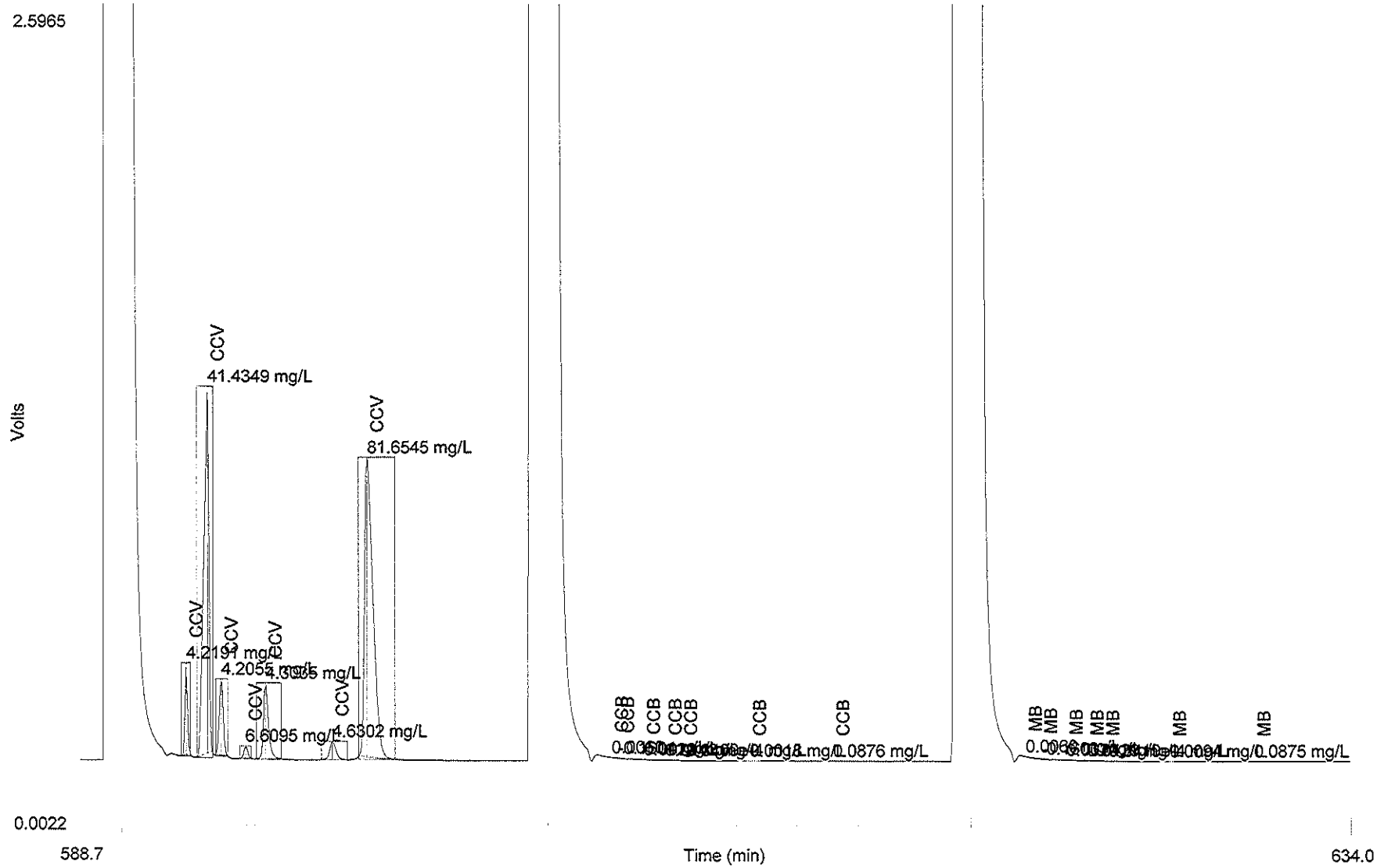
Channel 1 (Anions) : Set 12 of 18



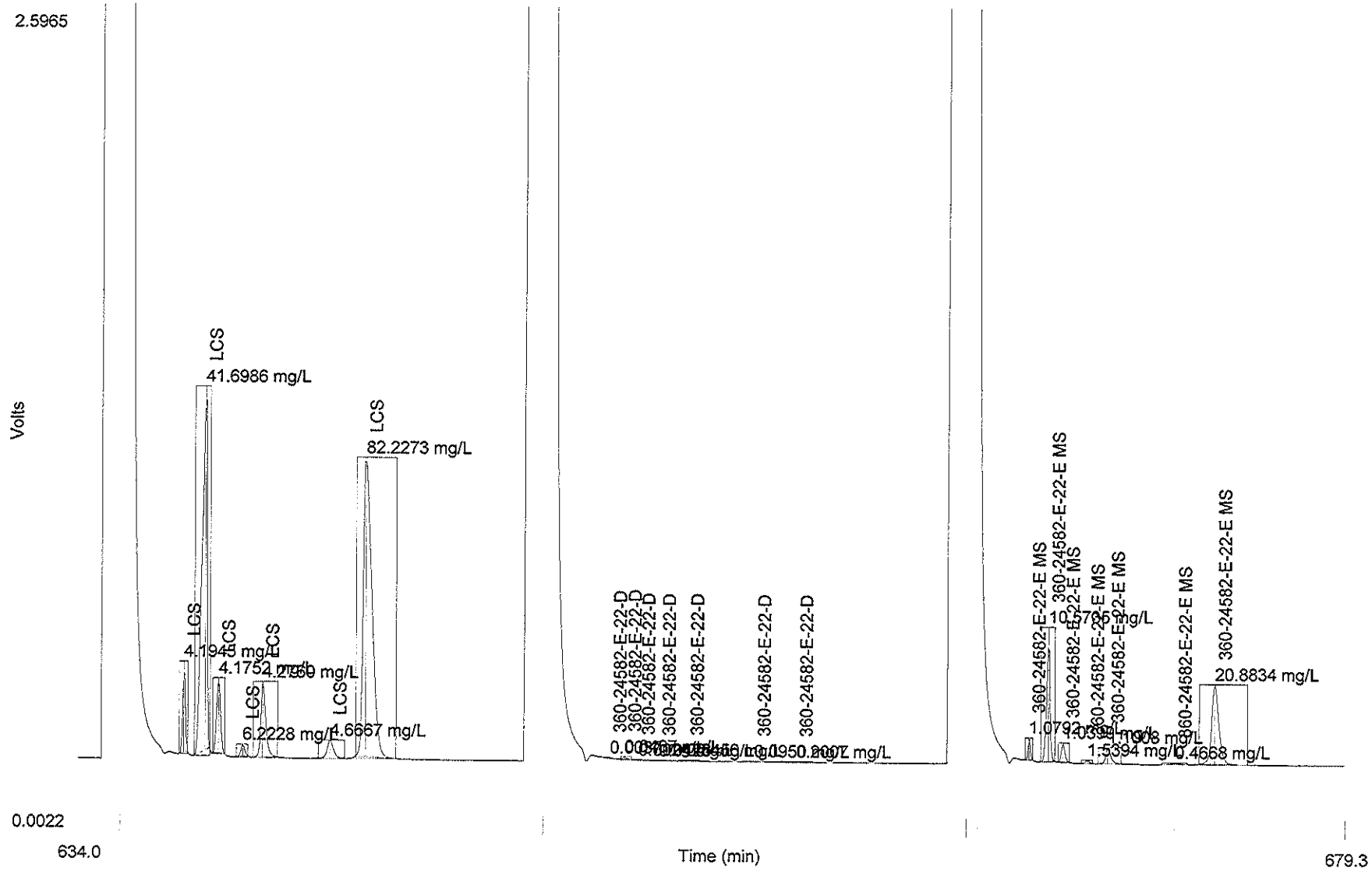
Channel 1 (Anions) : Set 13 of 18



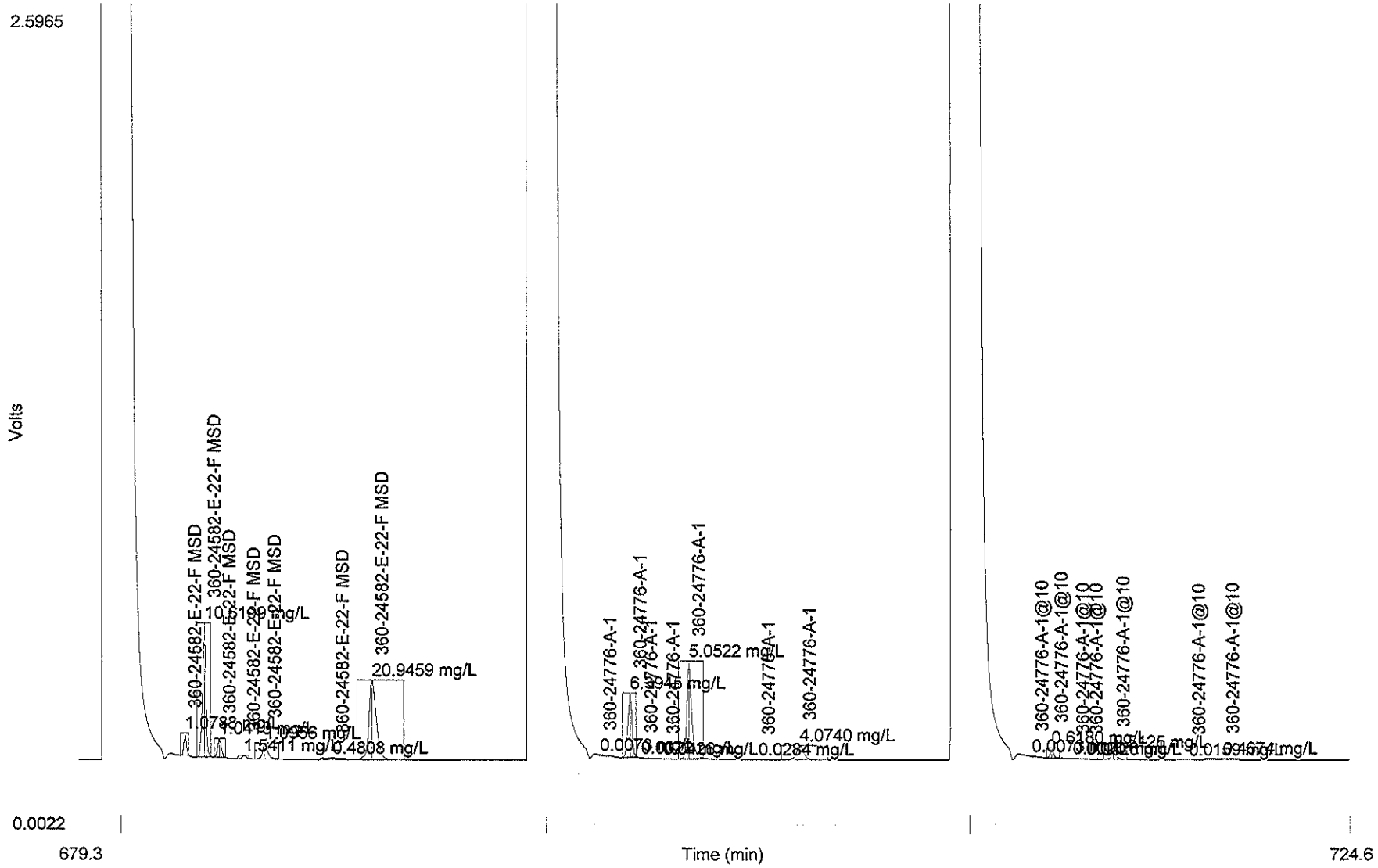
Channel 1 (Anions) : Set 14 of 18



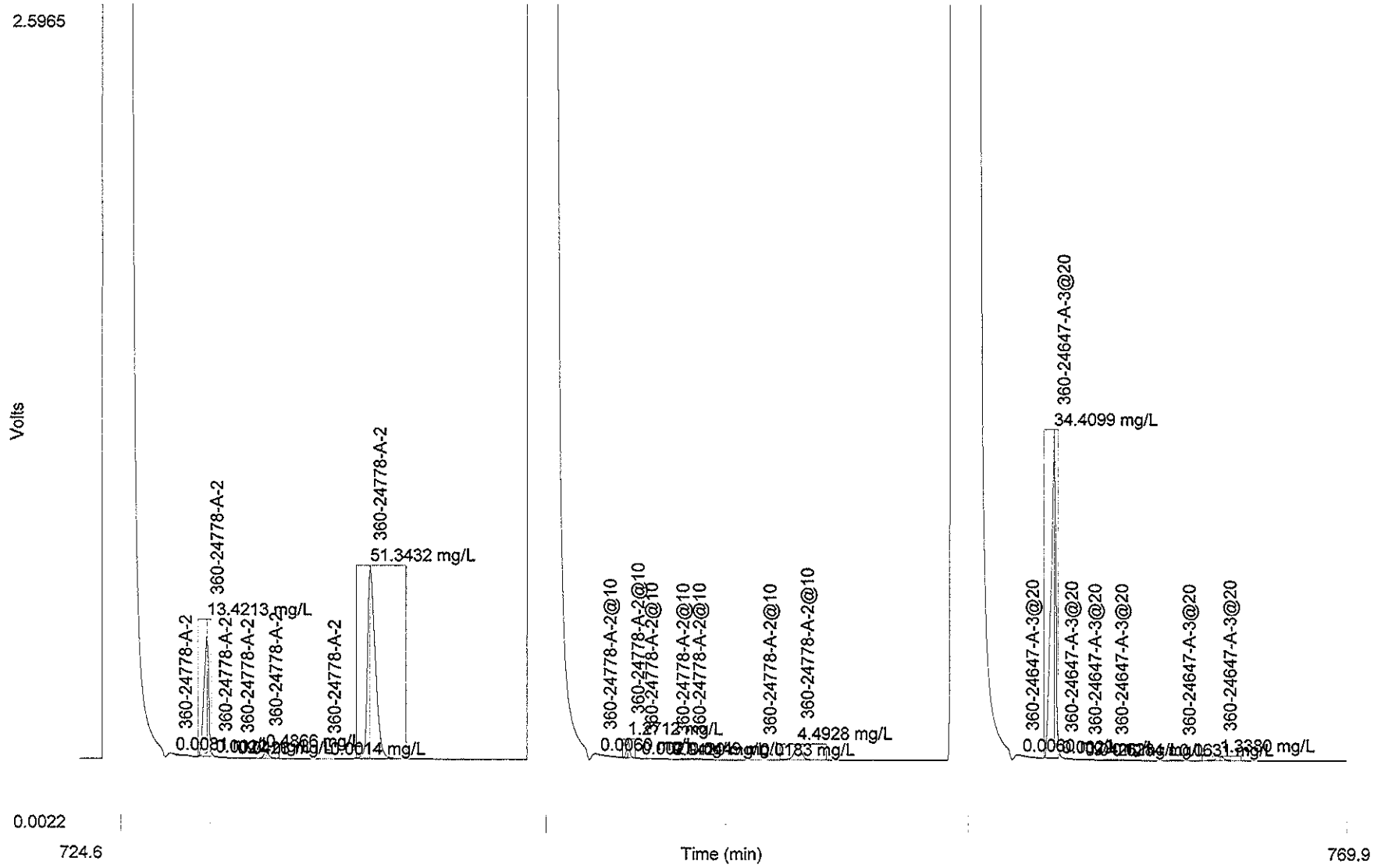
Channel 1 (Anions) : Set 15 of 18



Channel 1 (Anions) : Set 16 of 18



Channel 1 (Anions) : Set 17 of 18



Channel 1 (Anions) : Set 18 of 18

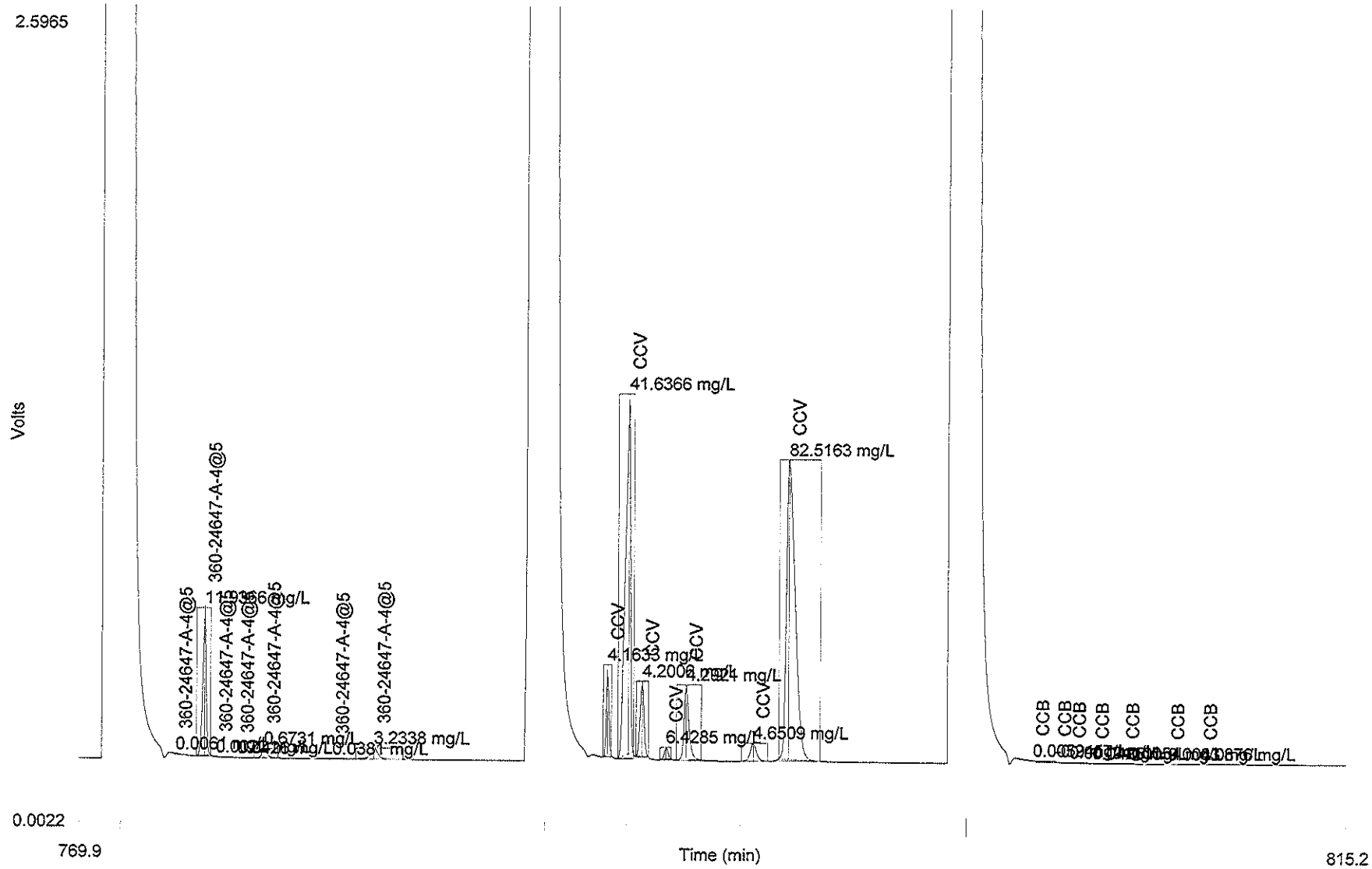
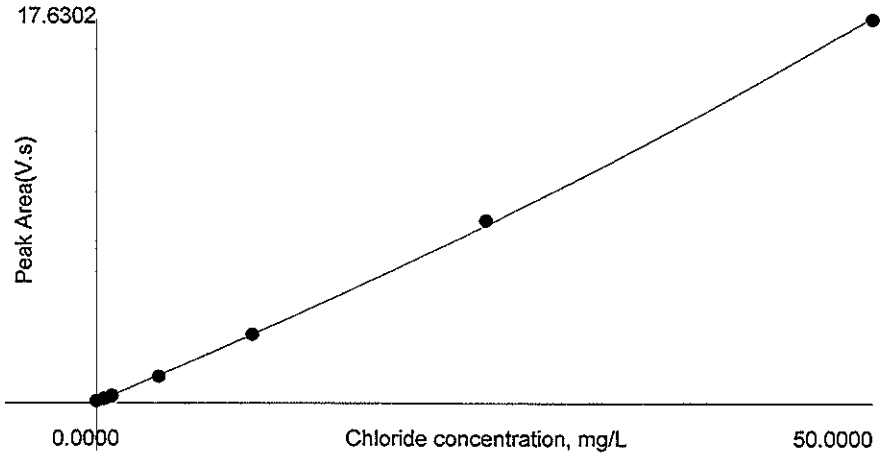


Table 1: Chloride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	50.0000	1	17.6302	1.2381	0.6	9/16/2009	8:28:38 AM
2	25.0000	1	8.3998	0.8041	-2.8	9/16/2009	8:28:38 AM
3	10.0000	1	3.1209	0.3944	0.2	9/16/2009	8:28:38 AM
4	4.0000	1	1.1796	0.1731	6.0	9/16/2009	8:28:38 AM
5	1.0000	1	0.3240	0.0491	7.3	9/16/2009	8:28:38 AM
6	0.5000	1	0.1862	0.0280	7.3	9/16/2009	8:28:39 AM
7	0.0000	1	0.0860	0.0123		9/16/2009	8:28:39 AM

Figure 1: Chloride



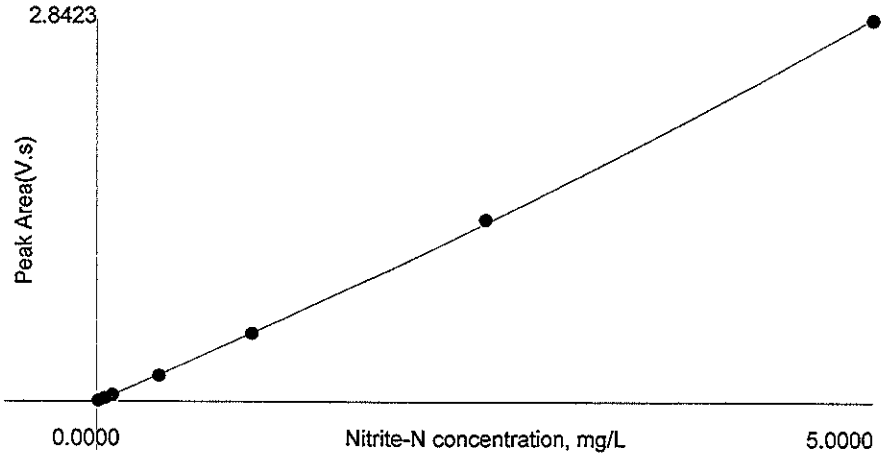
Area = 0.0012 * Conc^2 + 0.2959 * Conc + 0.0524
Conc = - 0.0276 * Area^2 + 3.3141 * Area - 0.1628
Correlation Coefficient (r) = 0.99996

1/x weighting

Table 2: Nitrite-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.8423	0.3563	0.4	9/16/2009	8:28:38 AM
2	2.5000	1	1.3614	0.1777	-2.2	9/16/2009	8:28:38 AM
3	1.0000	1	0.5045	0.0661	1.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.1913	0.0246	4.2	9/16/2009	8:28:38 AM
5	0.1000	1	0.0465	0.0059	4.7	9/16/2009	8:28:38 AM
6	0.0500	1	0.0227	0.0029	5.1	9/16/2009	8:28:39 AM
7	0.0100	1	0.0047	5.8955e-4	-15.9	9/16/2009	8:28:39 AM

Figure 2: Nitrite-N



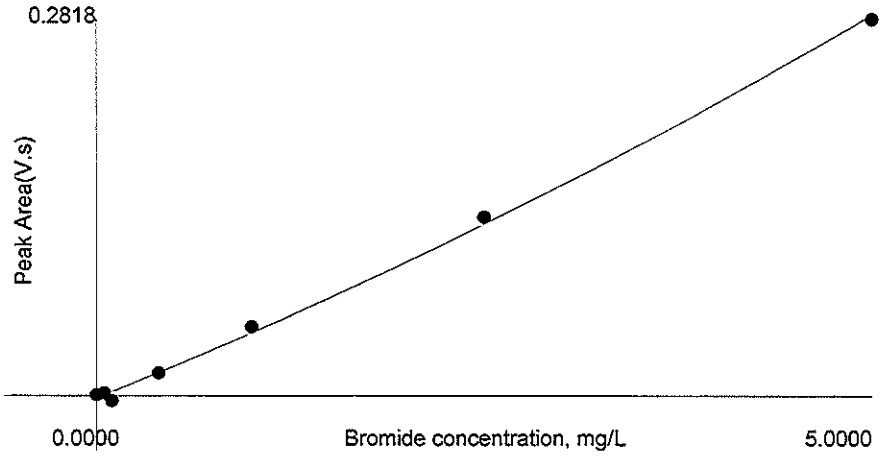
Area = 0.0152 * Conc^2 + 0.4954 * Conc - 9.2754e-4
Conc = - 0.0866 * Area^2 + 1.9960 * Area + 0.0022
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 3: Bromide

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.2818	0.0361	1.2	9/16/2009	8:28:38 AM
2	2.5000	1	0.1343	0.0182	-4.1	9/16/2009	8:28:38 AM
3	1.0000	1	0.0520	0.0071	-9.5	9/16/2009	8:28:38 AM
4	0.4000	1	0.0170	0.0025	3.1	9/16/2009	8:28:38 AM
5	0.1000	1	-0.0041	-1.7744e-4	235.8	9/16/2009	8:28:38 AM
6	0.0500	1	0.0019	2.7542e-4	-189.1	9/16/2009	8:28:39 AM
7	0.0000	1	3.9754e-4	5.4106e-5		9/16/2009	8:28:39 AM

Figure 3: Bromide



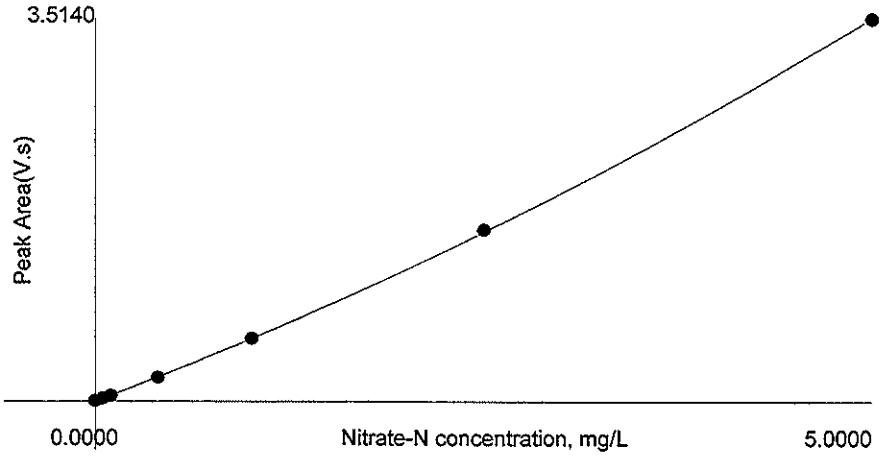
Area = 0.0020 * Conc^2 + 0.0472 * Conc - 0.0017
Conc = 1.0401 * Area^2 + 17.4857 * Area + 0.0426
Correlation Coefficient (r) = 0.99869

1/x weighting

Table 4: Nitrate-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	3.5140	0.2774	0.3	9/16/2009	8:28:38 AM
2	2.5000	1	1.5873	0.1303	-1.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.5799	0.0481	0.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.2202	0.0182	2.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0524	0.0043	7.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0275	0.0022	5.2	9/16/2009	8:28:39 AM
7	0.0000	1	0.0054	4.2853e-4		9/16/2009	8:28:39 AM

Figure 4: Nitrate-N



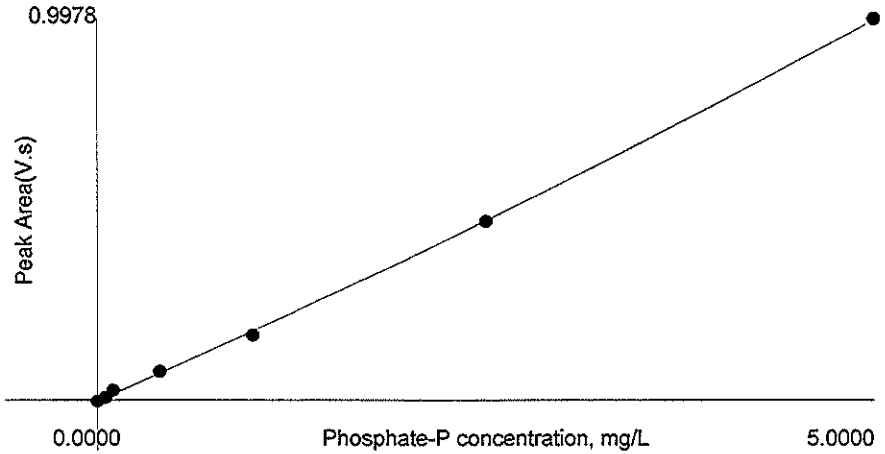
Area = 0.0315 * Conc^2 + 0.5472 * Conc + 0.0015
Conc = - 0.0993 * Area^2 + 1.7665 * Area - 9.5774e-4
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 5: Phosphate-P

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.9978	0.0673	-0.3	9/16/2009	8:28:38 AM
2	2.5000	1	0.4674	0.0326	0.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.1691	0.0121	6.2	9/16/2009	8:28:38 AM
4	0.4000	1	0.0738	0.0050	-5.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0248	0.0019	-52.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0054	4.3257e-4	26.8	9/16/2009	8:28:39 AM
7	0.0000	1	-0.0037	-4.3631e-5		9/16/2009	8:28:39 AM

Figure 5: Phosphate-P



Area = 0.0044 * Conc^2 + 0.1773 * Conc - 0.0015
Conc = - 0.4758 * Area^2 + 5.4952 * Area + 0.0100
Correlation Coefficient (r) = 0.99983

1/x weighting

Table 6: Sulfate

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	100.0000	1	25.9148	1.1124	0.6	9/16/2009	8:28:38 AM
2	50.0000	1	11.9967	0.6060	-3.2	9/16/2009	8:28:38 AM
3	20.0000	1	4.2267	0.2326	1.8	9/16/2009	8:28:38 AM
4	8.0000	1	1.5557	0.0845	6.5	9/16/2009	8:28:38 AM
5	2.0000	1	0.3789	0.0202	6.2	9/16/2009	8:28:39 AM
6	0.0000	1	0.0415	0.0022		9/16/2009	8:28:39 AM

Figure 6: Sulfate

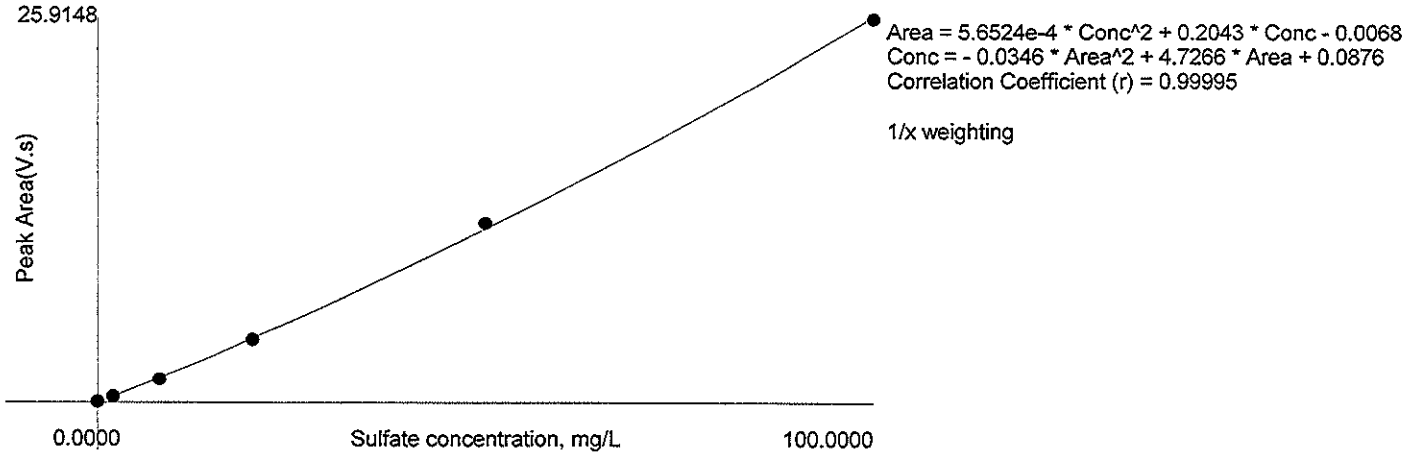
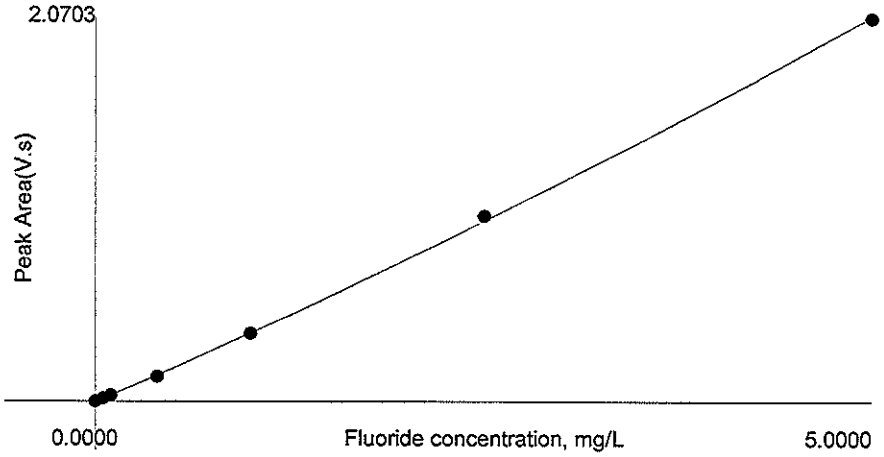


Table 7: Fluoride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.0703	0.3807	0.6	9/16/2009	8:28:38 AM
2	2.5000	1	0.9955	0.1952	-2.7	9/16/2009	8:28:38 AM
3	1.0000	1	0.3663	0.0733	0.8	9/16/2009	8:28:38 AM
4	0.4000	1	0.1343	0.0263	6.6	9/16/2009	8:28:38 AM
5	0.1000	1	0.0321	0.0062	6.0	9/16/2009	8:28:38 AM
6	0.0500	1	0.0161	0.0031	-0.2	9/16/2009	8:28:39 AM
7	0.0000	1	5.652e-6	1.1027e-5		9/16/2009	8:28:39 AM

Figure 7: Fluoride



Area = 0.0114 * Conc^2 + 0.3600 * Conc - 0.0019
Conc = - 0.1657 * Area^2 + 2.7411 * Area + 0.0060
Correlation Coefficient (r) = 0.99998

1/x weighting

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

QC Source Data Sheet—Inorganics Dept

Method (circle one): IC 300_28D IC 300_48HR IC 9056_28D IC 9056_48HR

Date of Analytical Run: 9-25-09

Analyst's Initials: AH

QC Source Type	Manufacturer & Lot Number or Lab ID Source Code
Working Curve Standard	Prep'd on 06 AUG 2009
LCS/LCSD	W09HLCS001
ICV	STLMA-ICAL-3 Lot #B2-MEB26311 (W09DICV001)
CCV	W09HLCS001
MS/MSD	W09DSTK001

QC Standard True Values for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.50	25.0	2.50	2.50	2.50	50.0
ICB	0	0	0	0	0	0
MB	0	0	0	0	0	0
LCS/LCSD	4.00	40.0	4.00	4.00	4.00	80.0
MS/MSD	1.00	10.0	1.00	1.00	1.00	20.0

QC Standard Acceptable Recovery Ranges for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.25-2.75	22.5-27.5	2.25-2.75	2.25-2.75	2.25-2.75	45.0-55.0
ICB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
MB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
LCS/LCSD	3.40-4.60	34.0-46.0	3.40-4.60	3.40-4.60	3.40-4.60	68.0-92.0
MS/MSD	0.75-1.25	7.50-12.5	0.75-1.25	0.75-1.25	0.75-1.25	15.0-25.0

Current Method RLs (mg/L):

	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
	0.10	1.00	0.010	0.10	0.050	2.0

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 | Analyst: Lalashius, Andrew L | Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49375/1 N/A	N/A				N/A	N/A	N/A		MB 360-49375/1-A
2	LCS~360-49375/2 N/A	N/A				N/A	N/A	N/A		LCS 360-49375/2-A
3	360-24582-A-1 (300.0_28D)	OCRI-15	Solid	10.09 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-1-F
	360-24582-A-5 (300.0_28D)	OCRI-15	Solid	10.08 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-5-E
	360-24582-A-6 (300.0_28D)	OCRI-15	Solid	10.14 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-6-E
	360-24582-A-7 (300.0_28D)	OCRI-15	Solid	9.96 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-7-E
	360-24582-A-9 (300.0_28D)	OCRI-15	Solid	10.14 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-9-F
8	360-24582-A-10 (300.0_28D)	OCRI-15	Solid	10.08 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-10-E
9	360-24582-A-11 (300.0_28D)	OCRI-15	Solid	10.01 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-11-E
10	360-24582-A-12 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-12-E
11	360-24582-A-13 (300.0_28D)	OCRI-15	Solid	10.05 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-13-E
12	360-24582-A-14 (300.0_28D)	OCRI-15	Solid	10.16 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-14-F
13	360-24582-A-16 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-16-E
14	360-24582-A-17 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-17-F
15	360-24582-A-19 (300.0_28D)	OCRI-15	Solid	10.00 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-19-E

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 Analyst: Lalashius, Andrew L. Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 Batch End:

16	360-24582-A-20 (300.0_28D)	OCRI-15	Solid	9.96 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-20-E
17	360-24582-E-21 (300.0_28D)	OCRI-15	Solid	10.07 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-21-B
18	360-24582-E-22 (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-D
19	360-24582-E-22~MS (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-E MS
20	360-24582-E-22~MSD (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-F MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 | Analyst: Lalashius, Andrew L | Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Batch Comment

Blank Soil Lot Number

Comments

Login Comments for Job 24582: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - #1, #4

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/23/2009 3:30:00PM

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: 300.0_48H / 28D

Date of Analytical Run: 9-25-09

Primary Reviewer's Initials: AH

Date of Primary Review: 9-28-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-28-09

Batch Numbers	49532	49533	49554	49555	49556	49557

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only) **9012:** ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?	X			**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)	X			20857
Were any jobs in this batch Level 4?	✓			24582
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			B49554, B49555

Original Run Filename: OM_9-25-2009_10-46-27AM.OMN created 9/25/2009 10:46:27 AM
Original Run Author's Signature: [lalashiusa]
Current Run Filename: OM_9-25-2009_10-46-27AM.OMN last modified 9/26/2009 12:21:38 AM
Current Run Author's Signature: [lalashiusa]
Description: Triggered autodilution test

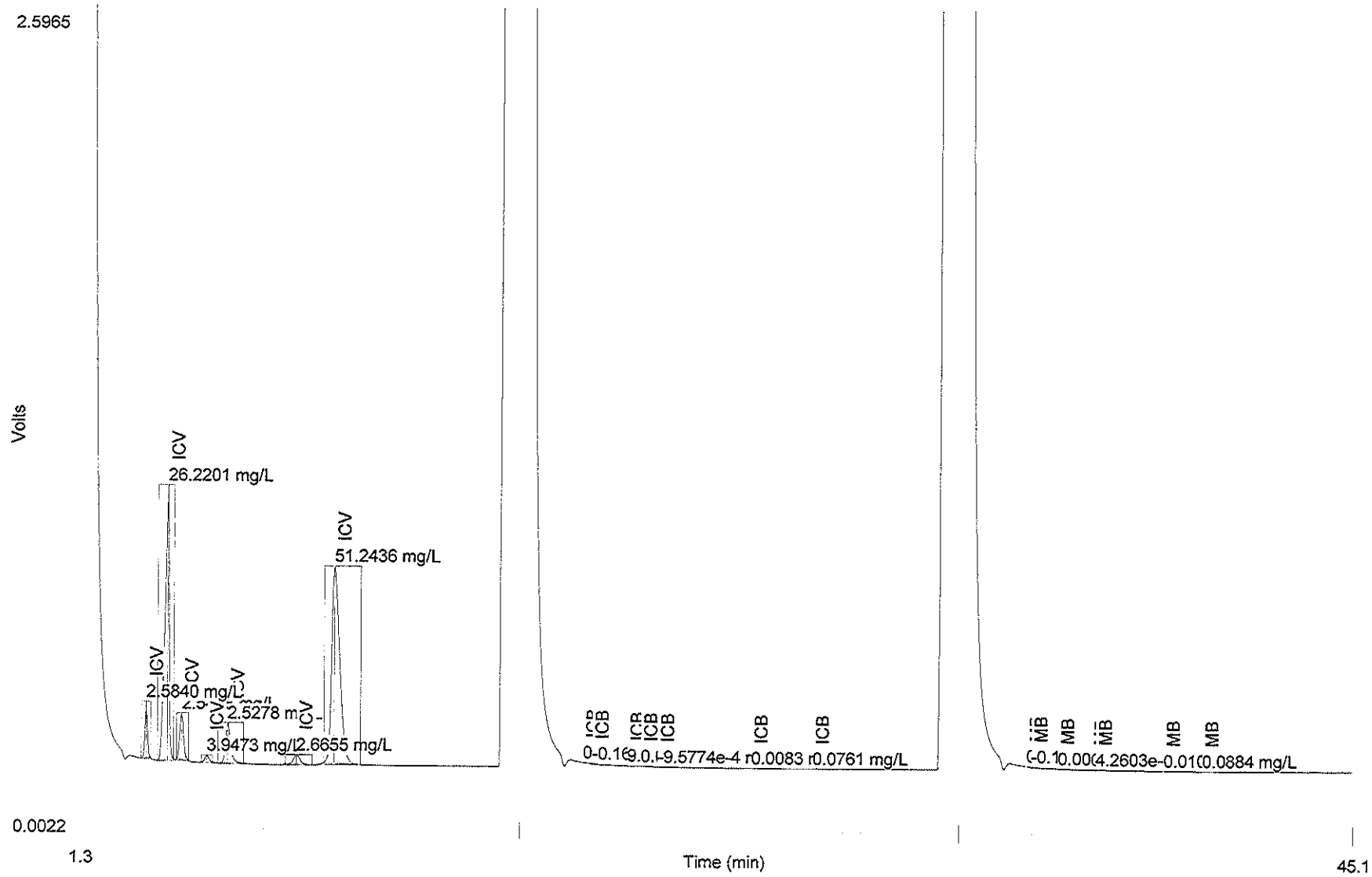
Sample	Cup No.	Channel 1							Detection Time
		Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	
ICV	1	3.9473	26.2201	2.5840	2.5278	2.5438	2.6655	51.2436	9/25/2009@10:47:47 AM
Known Conc:		2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
Calibration:		Table/Fig. 3	Table/Fig. 1		Table/Fig. 4	Table/Fig. 2	Table/Fig. 5	Table/Fig. 6	
ICB	S9	0.0690	-0.1610	0.0060	-9.5774e-4	9.1918e-4	0.0083	0.0761	9/25/2009@11:02:51 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Calibration:				Table/Fig. 7					
MB	S9	0.0426	-0.1609	0.0060	4.2603e-4	0.0022	0.0100	0.0884	9/25/2009@11:17:56 AM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	6.6925	41.4963	4.2576	4.2644	4.1378	4.4678	80.4522	9/25/2009@11:33:01 AM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24770-E-3	2	0.2339	9.4215	-2.9448e-4	0.0181	0.0022	0.0101	30.9121	9/25/2009@11:48:12 AM
360-24770-E-3@10	3	0.0426	1.8092	-0.0141	-0.0024	0.0022	0.0100	2.6645	9/25/2009@12:03:19 PM
360-24770-E-4	4	0.0426	2.5002	0.0067	0.1245	3.7487e-4	0.0232	9.6289	9/25/2009@12:18:25 PM
360-24770-E-4@10	5	0.0413	0.2414	0.0067	0.0095	0.0023	0.0081	1.0057	9/25/2009@12:33:31 PM
360-24770-E-5	6	-0.3217	-14.1021	0.1527	-0.0054	-4.2278	0.0504	19.9843	9/25/2009@12:48:39 PM
360-24770-E-5@10	7	0.0703	3.0343	0.0060	-9.5774e-4	0.0022	0.0332	1.7914	9/25/2009@1:03:45 PM
360-24770-E-6	8	0.0426	5.7602	-0.0043	-9.4907e-4	0.0022	0.0487	16.0036	9/25/2009@1:18:51 PM
360-24770-E-6@10	9	0.0426	0.5135	0.0060	-0.0055	0.0022	0.0238	1.5248	9/25/2009@1:33:57 PM
360-24770-E-7	10	0.0426	11.6848	0.0103	0.0197	-0.0099	-0.0082	48.3108	9/25/2009@1:49:03 PM
360-24770-E-7@10	11	0.0426	0.9860	-0.0188	-9.5518e-4	0.0022	0.0151	4.1064	9/25/2009@2:04:08 PM
CCV	S10	6.6098	41.4154	4.2448	4.2893	4.1505	4.5991	81.4734	9/25/2009@2:19:15 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0426	-0.1608	0.0055	-9.5036e-4	0.0022	-0.0068	0.0880	9/25/2009@2:34:20 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-24770-E-14	12	0.0570	5.8658	-0.0041	0.0118	0.0022	0.0591	15.9917	9/25/2009@2:49:25 PM
360-24770-E-14@10	13	0.0427	0.5644	0.0075	-8.6871e-4	0.0022	0.0319	1.5454	9/25/2009@3:04:31 PM
360-24770-E-14 ms@10	14	1.5048	11.1098	1.0418	1.0367	1.0330	0.3988	22.2704	9/25/2009@3:19:36 PM
360-24770-E-14 msd@10	14	1.5157	10.6824	1.0335	1.0027	0.9742	0.3851	21.1799	9/25/2009@3:34:41 PM
360-24582-A-1-F	15	0.0427	0.5045	0.0956	-0.0066	0.0022	0.0368	16.6336	9/25/2009@3:49:47 PM
360-24582-A-5-E	16	0.0426	0.3565	0.0060	-0.0070	0.0027	0.0206	0.8835	9/25/2009@4:04:53 PM
360-24582-A-6-E	17	0.0431	0.4427	0.0027	-9.0211e-4	0.0022	0.0307	1.3528	9/25/2009@4:20:00 PM
360-24582-A-7-E	18	0.0428	0.4297	0.0045	-0.0031	0.0022	0.0308	2.1999	9/25/2009@4:35:07 PM
360-24582-A-9-F	19	0.0437	0.2011	0.0060	0.0786	0.0029	0.0209	0.5881	9/25/2009@4:50:14 PM
360-24582-A-10-E	20	0.0308	0.0515	0.0060	0.0186	0.0027	-0.0183	0.3473	9/25/2009@5:05:20 PM
CCV	S10	6.4805	41.4428	4.2316	4.2799	4.1529	4.6094	82.0451	9/25/2009@5:19:54 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0368	-0.1603	0.0036	-9.5746e-4	0.0015	0.0207	0.0887	9/25/2009@5:34:05 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0430	-0.1603	0.0060	-0.0037	0.0022	1.3214e-4	0.0876	9/25/2009@5:49:08 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

LCS	S10	6.1052	41.3714	4.2031	4.2578	4.1557	4.6346	82.2871	9/25/2009@6:05:33 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24582-A-11-E	21	0.0403	0.3619	-0.0227	0.0586	0.0029	0.0213	2.6848	9/25/2009@6:20:50 PM
360-24582-A-12-E	22	0.0426	0.1140	0.0073	0.1418	0.0033	0.0039	0.6773	9/25/2009@6:35:55 PM
360-24582-A-13-E	23	0.0427	0.0984	-0.0012	0.0210	0.0031	0.0419	0.5333	9/25/2009@6:51:02 PM
360-24582-A-14-F	24	0.0426	0.0931	0.0240	-9.5666e-4	0.0024	0.0016	0.2621	9/25/2009@7:05:16 PM
360-24582-A-16-E	25	0.0426	0.4370	0.0103	0.0557	0.0035	0.0479	0.6312	9/25/2009@7:19:44 PM
360-24582-A-17-F	26	0.0426	0.1406	0.0256	0.0743	0.0015	0.2366	0.3980	9/25/2009@7:34:51 PM
360-24582-A-19-E	27	0.0432	0.1498	0.0262	0.0497	0.0032	0.0333	0.4994	9/25/2009@7:49:54 PM
360-24582-A-20-E	28	0.0426	2.3341	0.0726	0.0765	0.0022	0.0784	1.7633	9/25/2009@8:05:00 PM
360-24582-E-21-B	29	0.0426	0.0906	0.0037	0.0743	0.0025	0.1195	0.1791	9/25/2009@8:20:06 PM
CCV	S10	6.6095	41.4349	4.2191	4.3035	4.2055	4.6302	81.6545	9/25/2009@8:35:11 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0442	-0.1604	0.0060	-9.3409e-4	0.0022	0.0018	0.0876	9/25/2009@8:50:17 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0429	-0.1603	0.0060	-9.3419e-4	0.0023	0.0094	0.0875	9/25/2009@9:05:22 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	6.2228	41.6986	4.1945	4.2760	4.1752	4.6667	82.2273	9/25/2009@9:20:28 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24582-E-22-D	30	0.0426	0.0487	0.0037	0.0456	0.0024	0.0950	0.2007	9/25/2009@9:35:33 PM
360-24582-E-22-E MS	31	1.5394	10.5735	1.0792	1.1008	1.0399	0.4668	20.8834	9/25/2009@9:50:40 PM
360-24582-E-22-F MSD	31	1.5411	10.6199	1.0788	1.0956	1.0413	0.4808	20.9459	9/25/2009@10:05:47 PM
360-24776-A-1	32	0.0426	6.3945	0.0073	5.0522	0.0022	0.0284	4.0740	9/25/2009@10:20:53 PM
360-24776-A-1@10	33	0.0426	0.6180	0.0073	0.5125	0.0020	0.0159	0.4674	9/25/2009@10:36:00 PM
360-24778-A-2	34	0.0426	13.4213	0.0081	0.4866	0.0022	-0.0014	51.3432	9/25/2009@10:51:07 PM
360-24778-A-2@10	35	0.0420	1.2712	0.0060	0.0449	0.0027	0.0183	4.4928	9/25/2009@11:06:13 PM
360-24647-A-3@20	36	0.0426	34.4099	0.0060	0.0284	0.0022	0.0631	1.3380	9/25/2009@11:21:20 PM
360-24647-A-4@5	37	0.0426	11.9366	0.0061	0.6731	0.0022	0.0381	3.2338	9/25/2009@11:36:26 PM
CCV	S10	6.4285	41.6366	4.1633	4.2921	4.2006	4.6509	82.5163	9/25/2009@11:51:32 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S9	0.0425	-0.2457	0.0059	-0.0054	0.0012	0.0043	0.0876	9/26/2009@12:06:37 AM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	

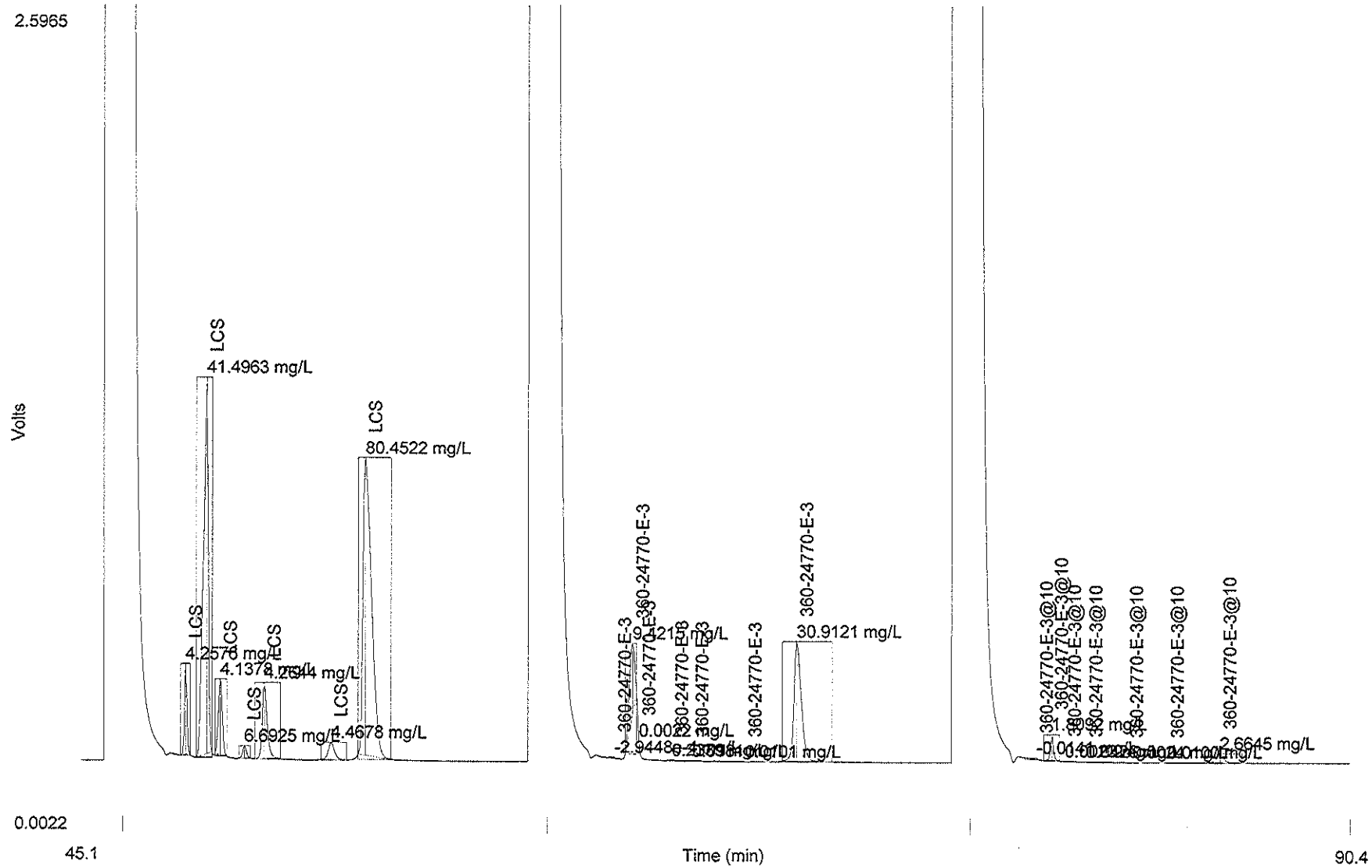
Author: lalashiusa

Date : 9/28/2009

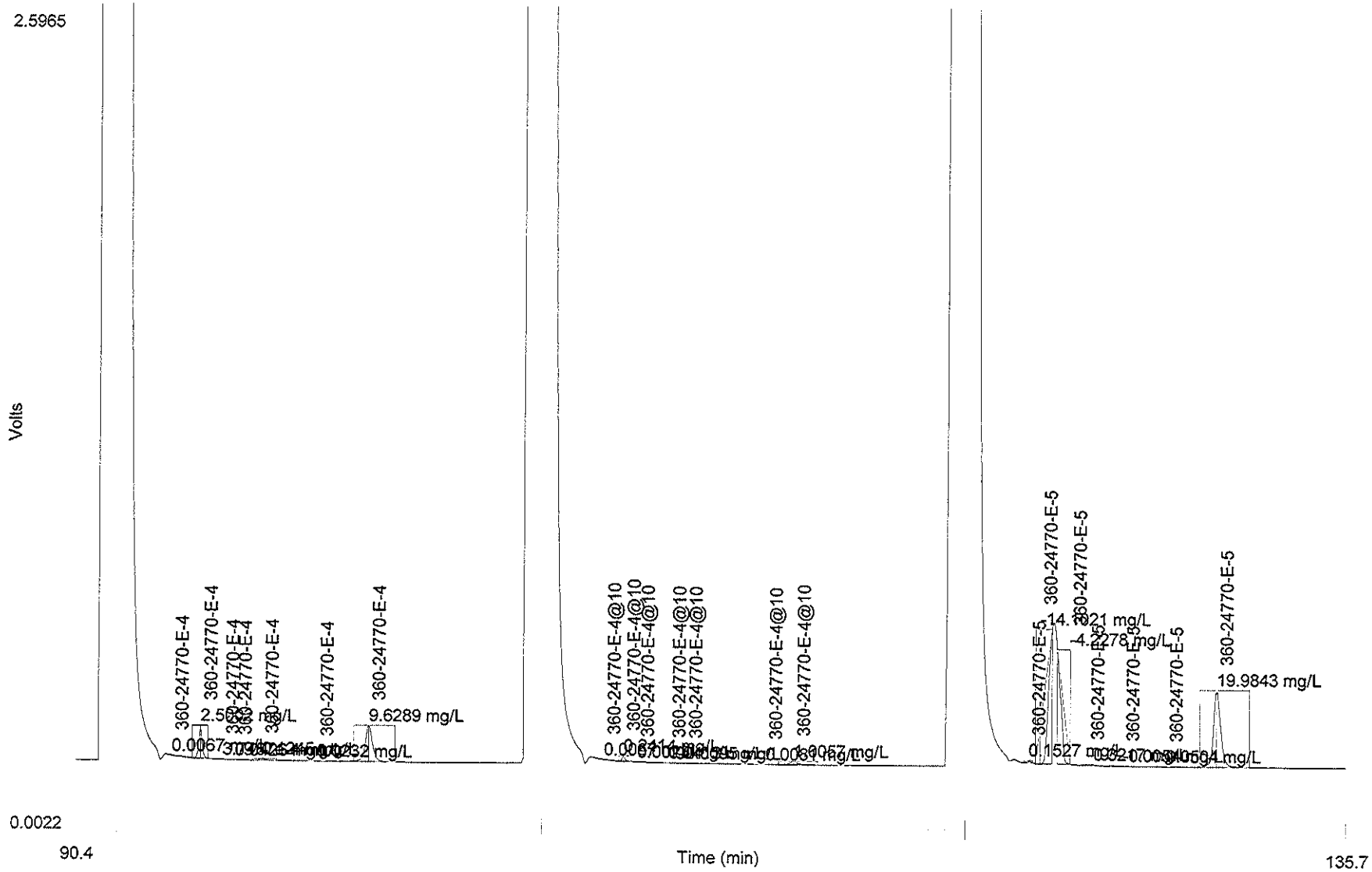
Channel 1 (Anions) : Set 1 of 18



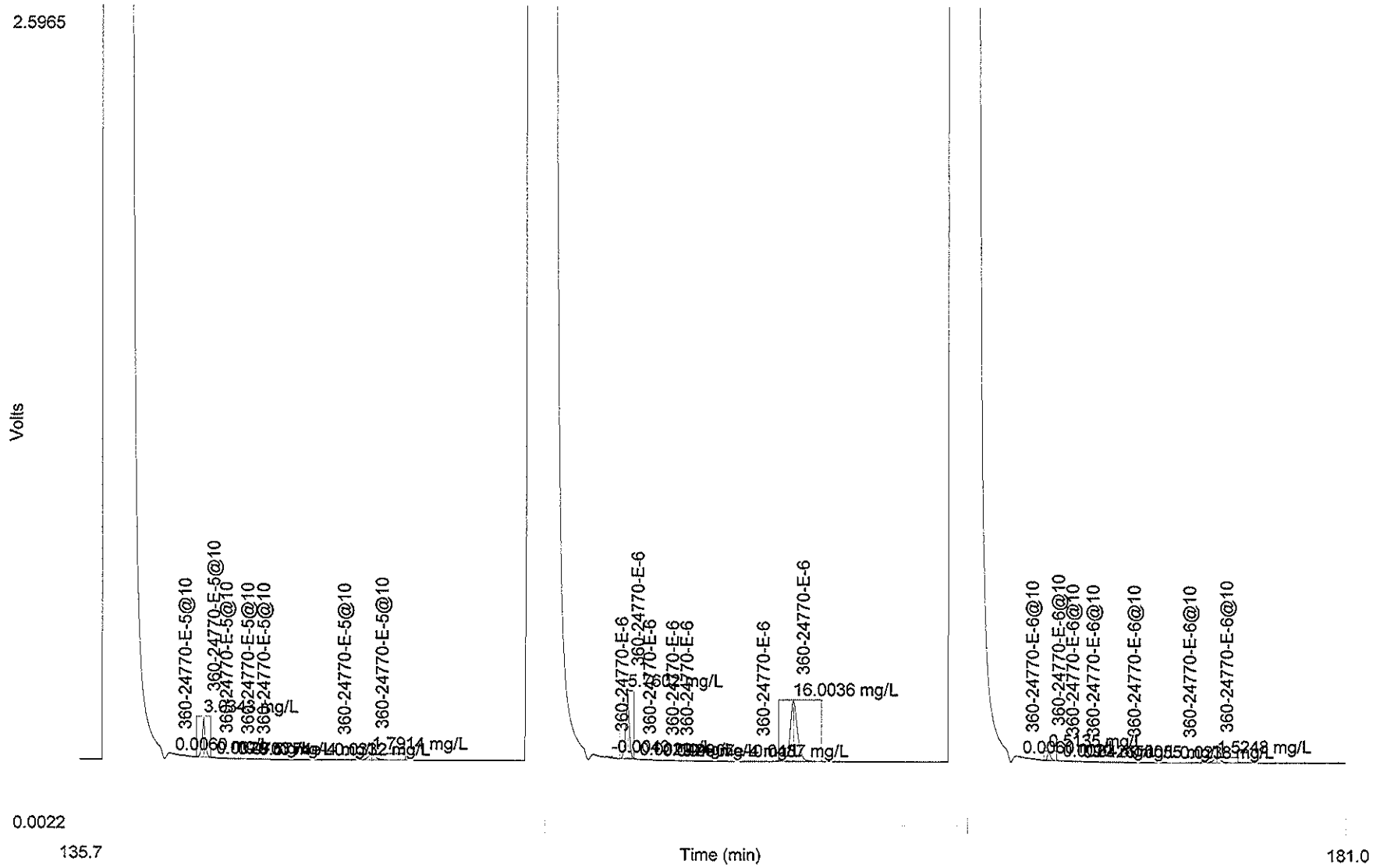
Channel 1 (Anions) : Set 2 of 18



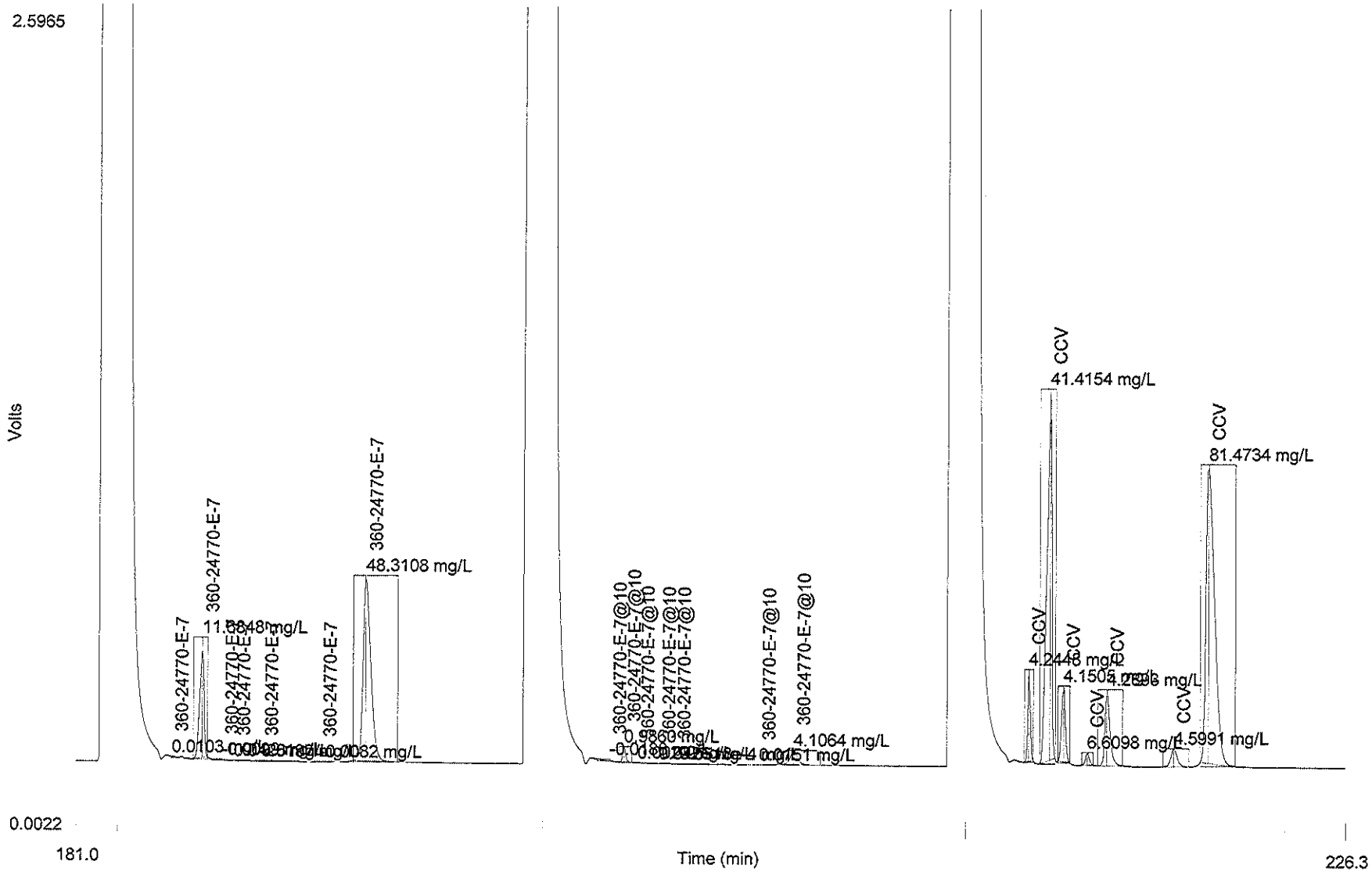
Channel 1 (Anions) : Set 3 of 18



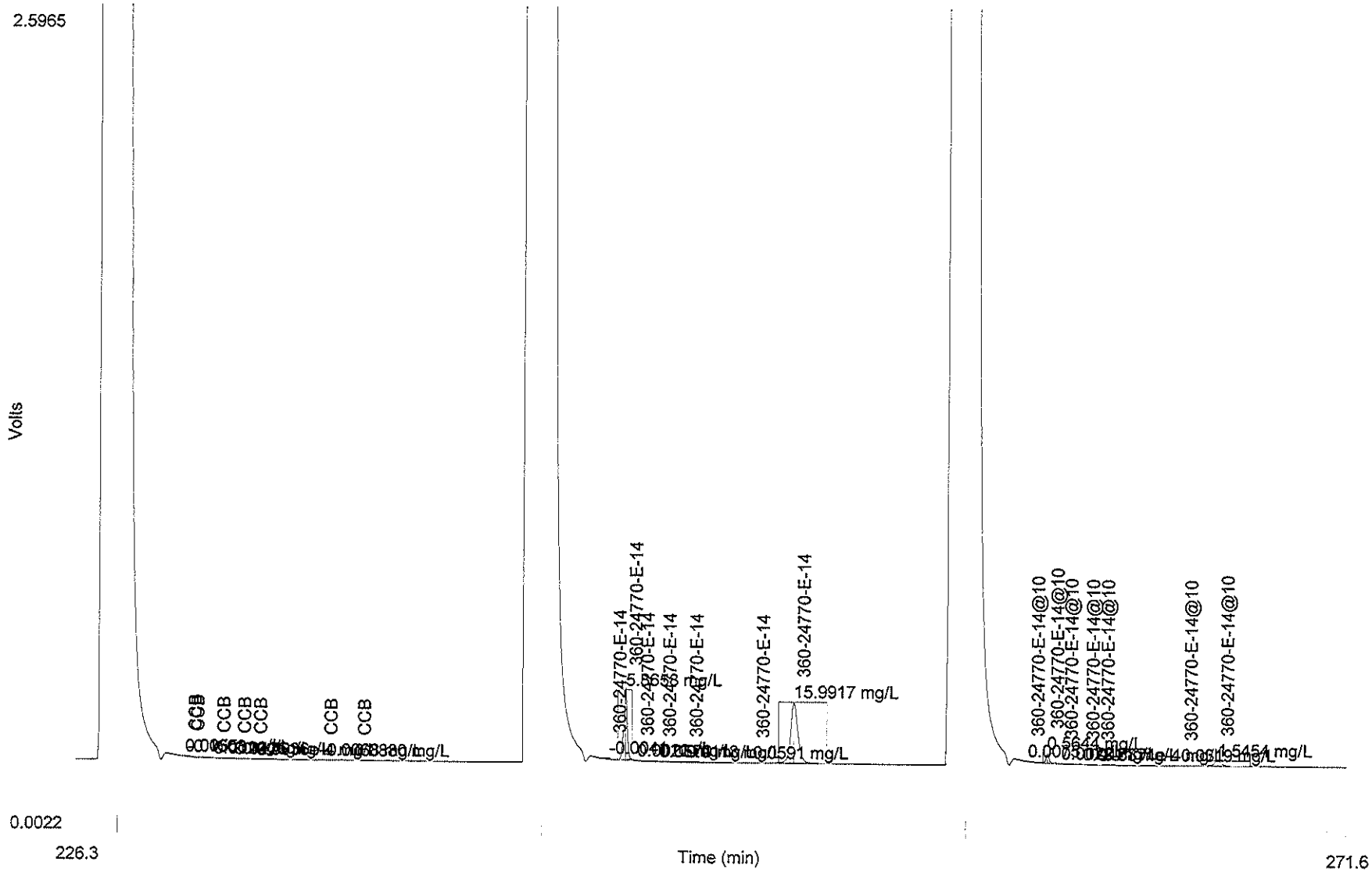
Channel 1 (Anions) : Set 4 of 18



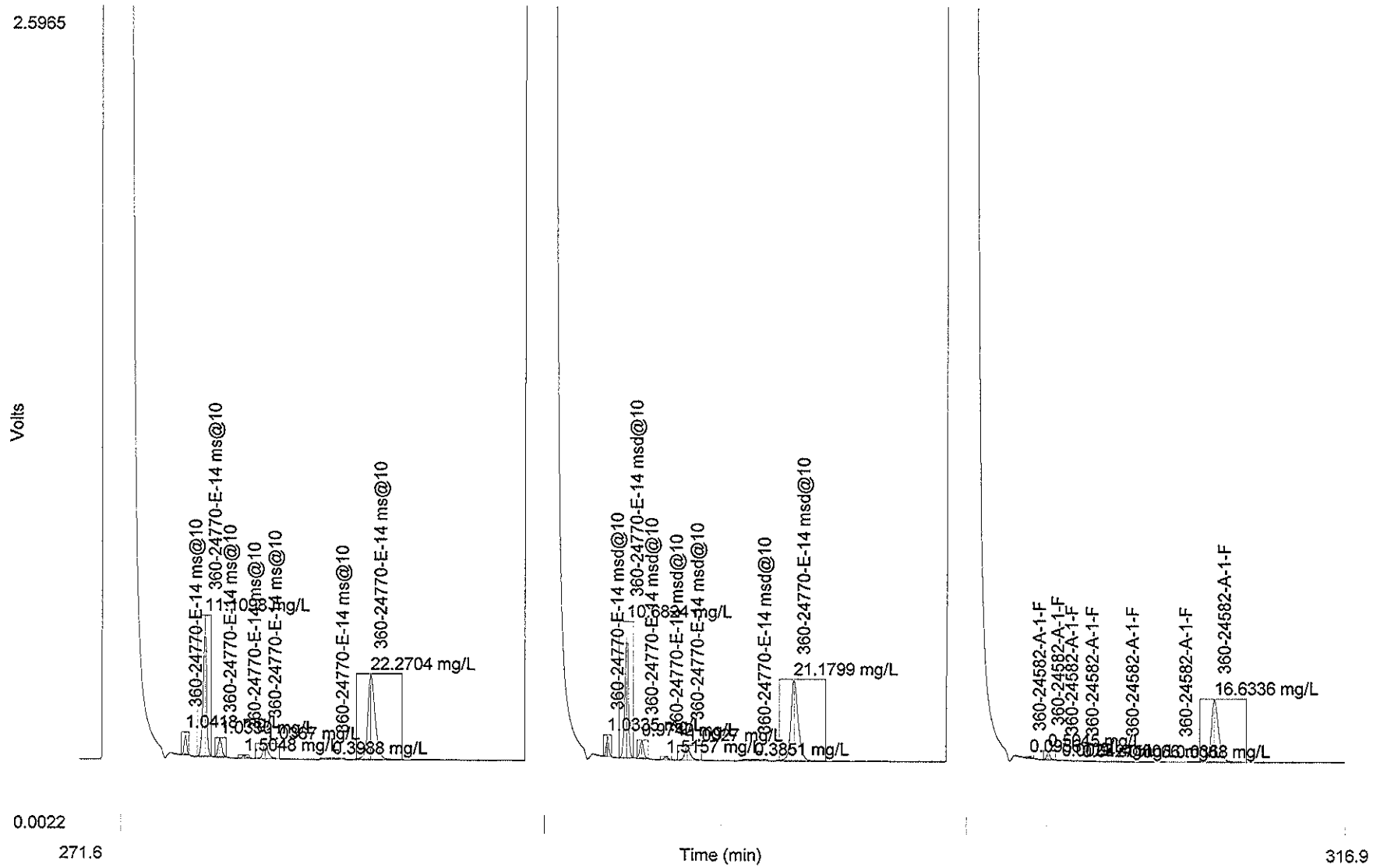
Channel 1 (Anions) : Set 5 of 18



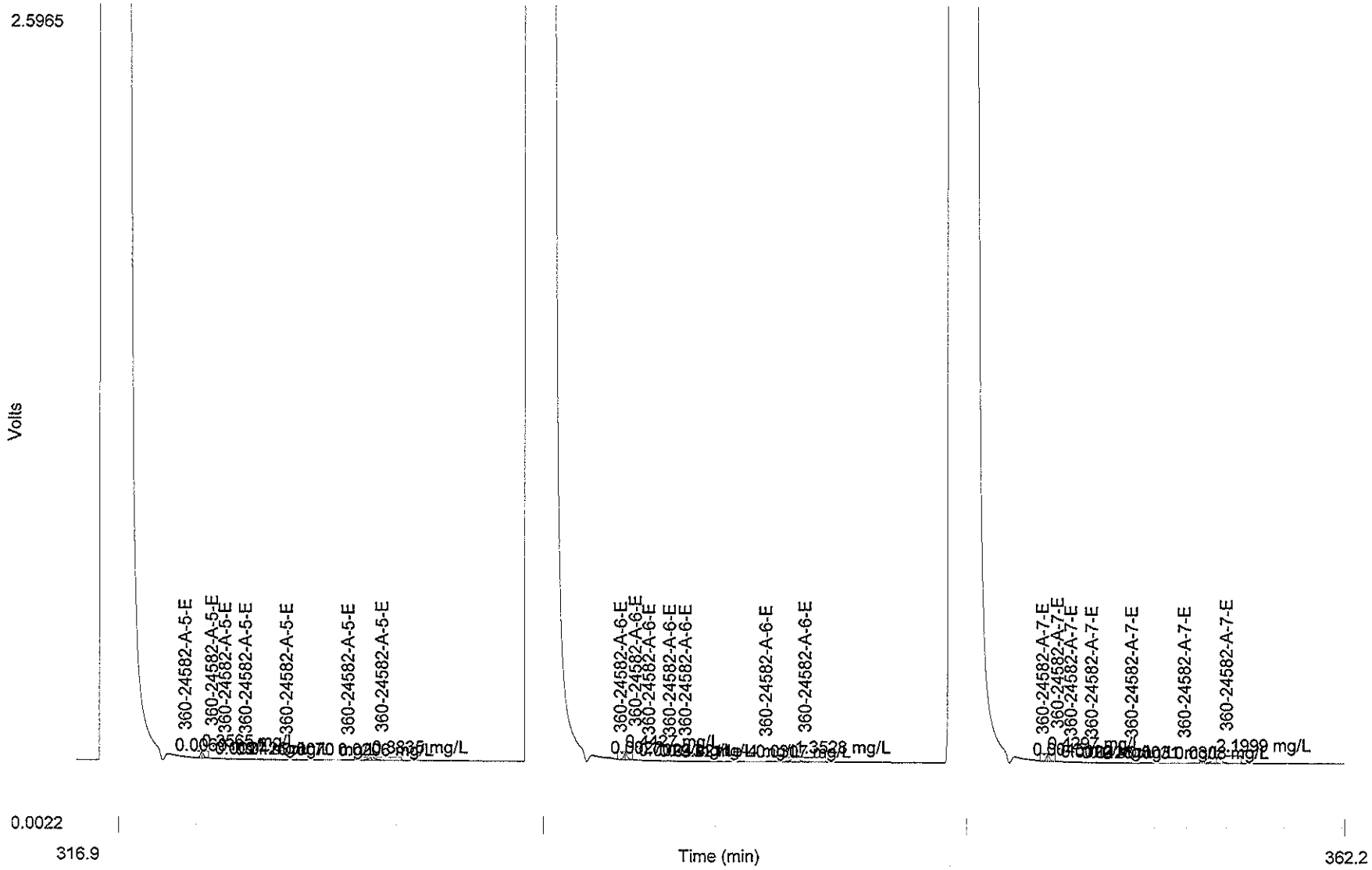
Channel 1 (Anions) : Set 6 of 18



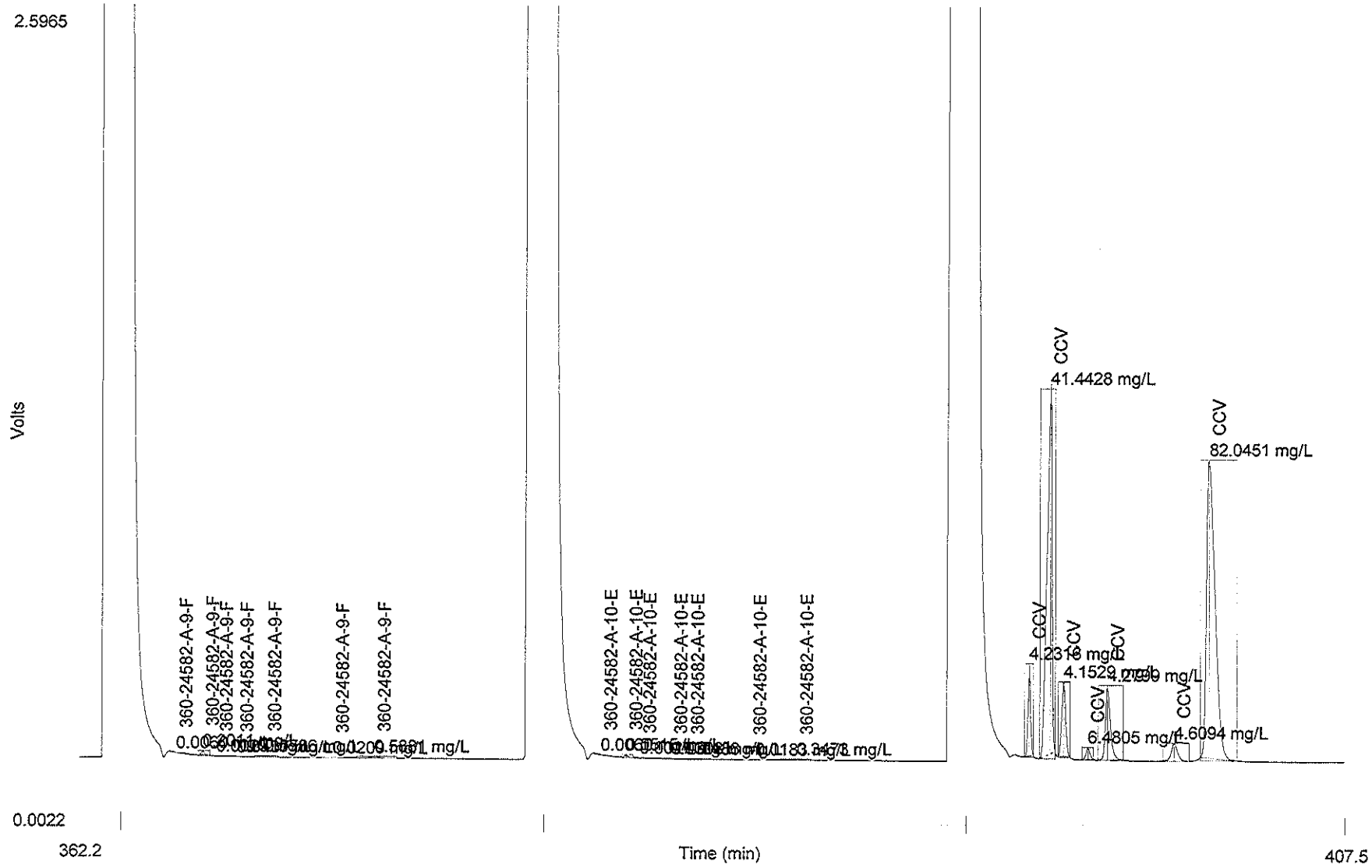
Channel 1 (Anions) : Set 7 of 18



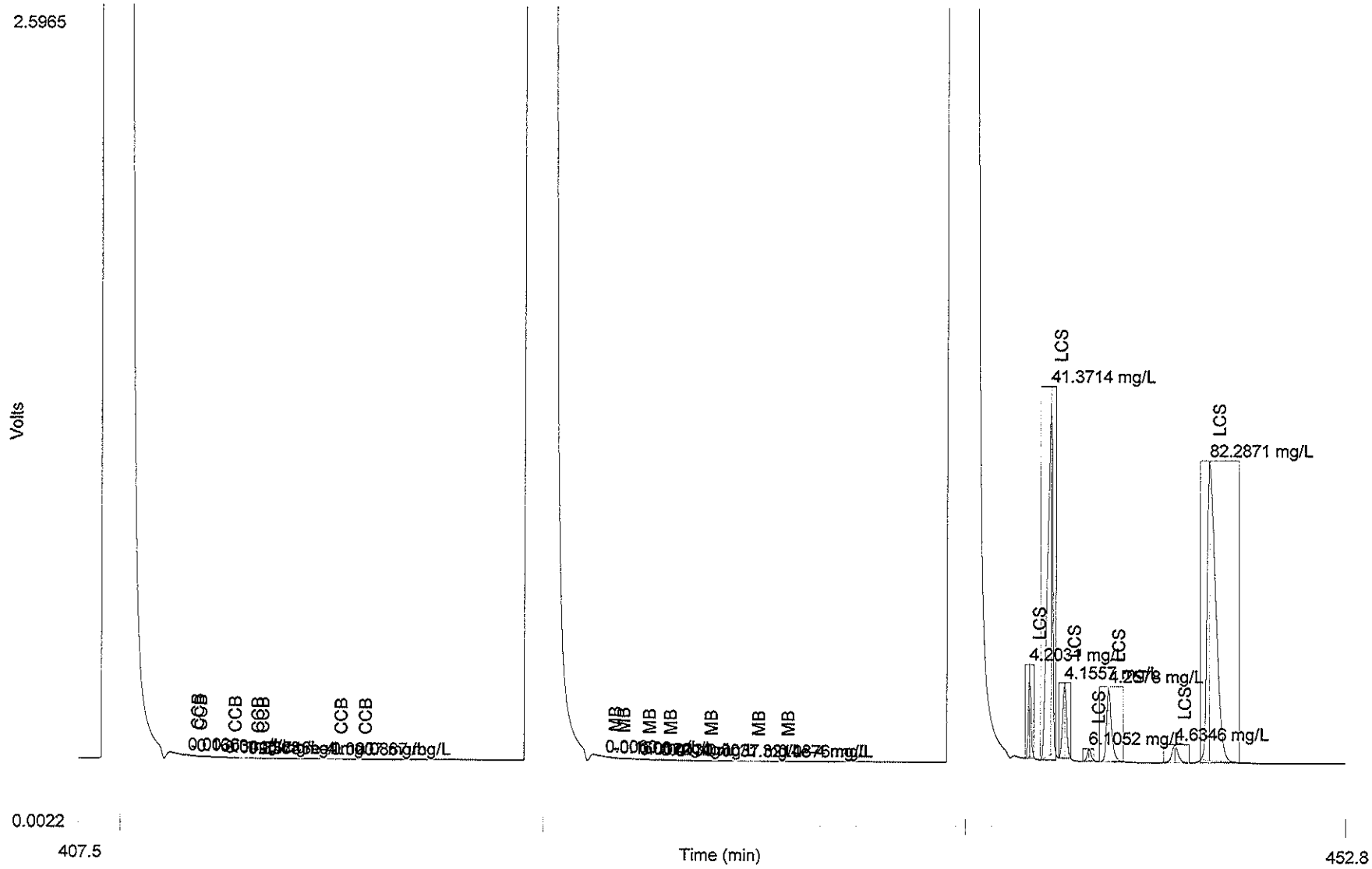
Channel 1 (Anions) : Set 8 of 18



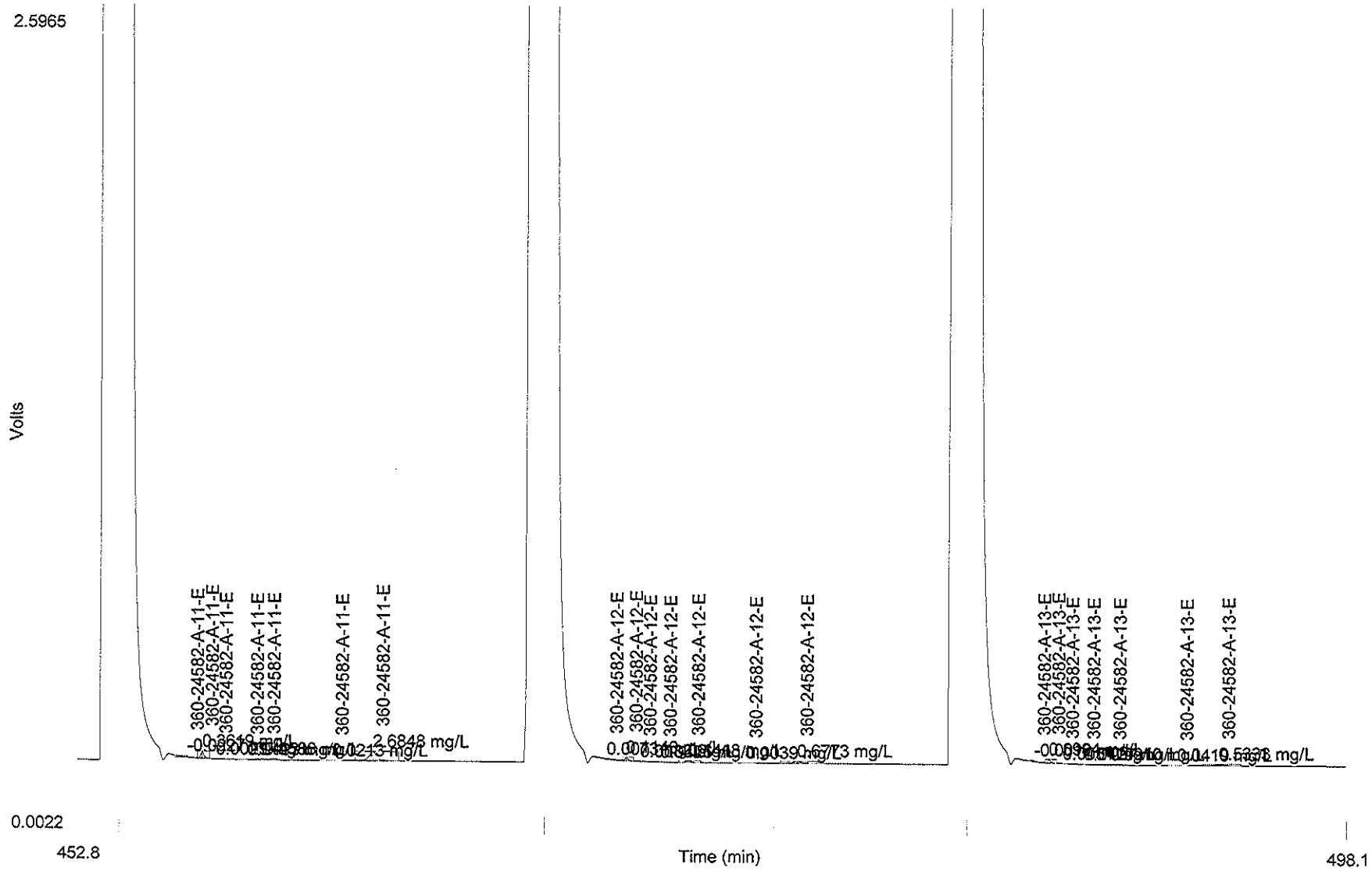
Channel 1 (Anions) : Set 9 of 18



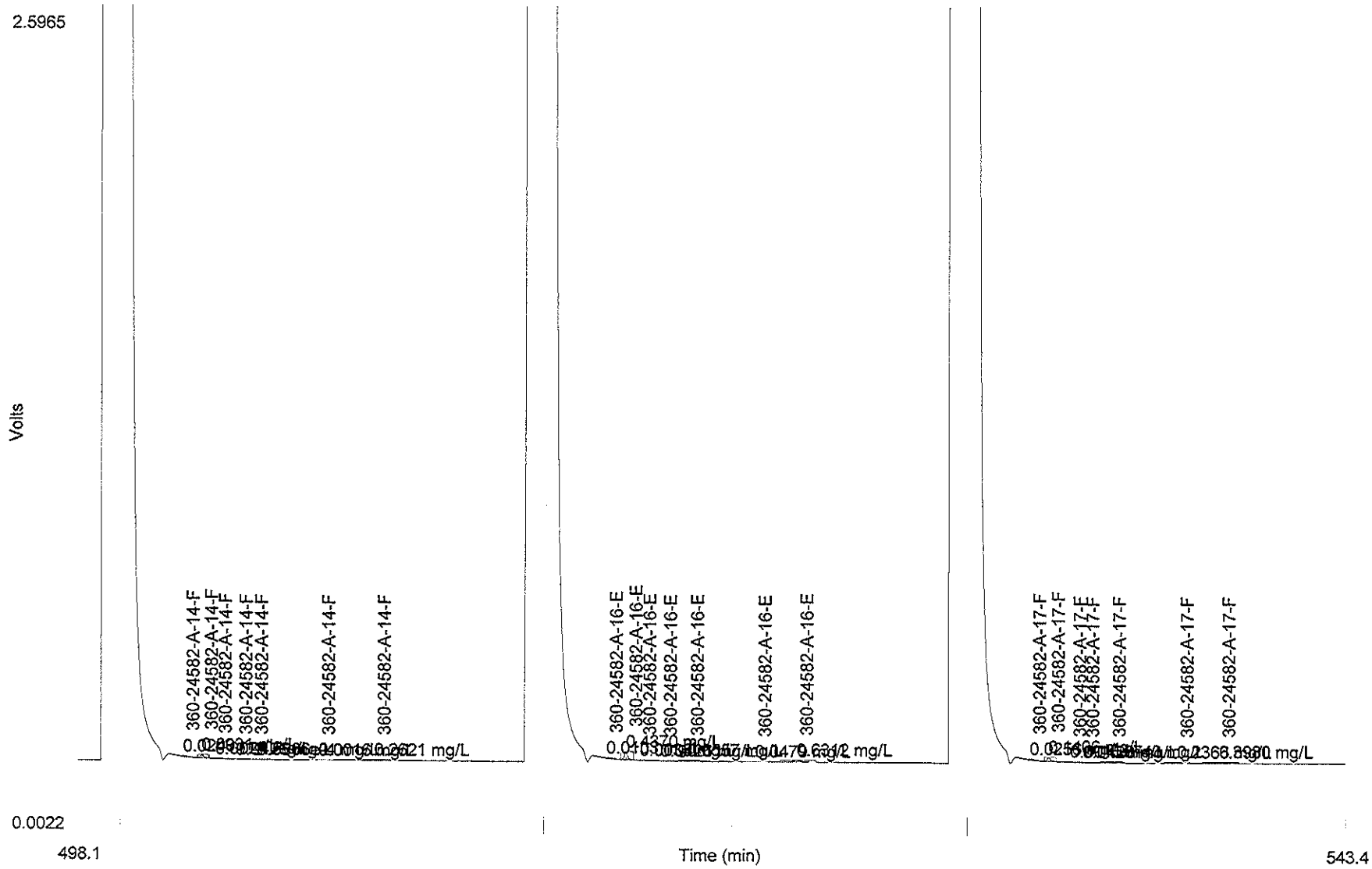
Channel 1 (Anions) : Set 10 of 18



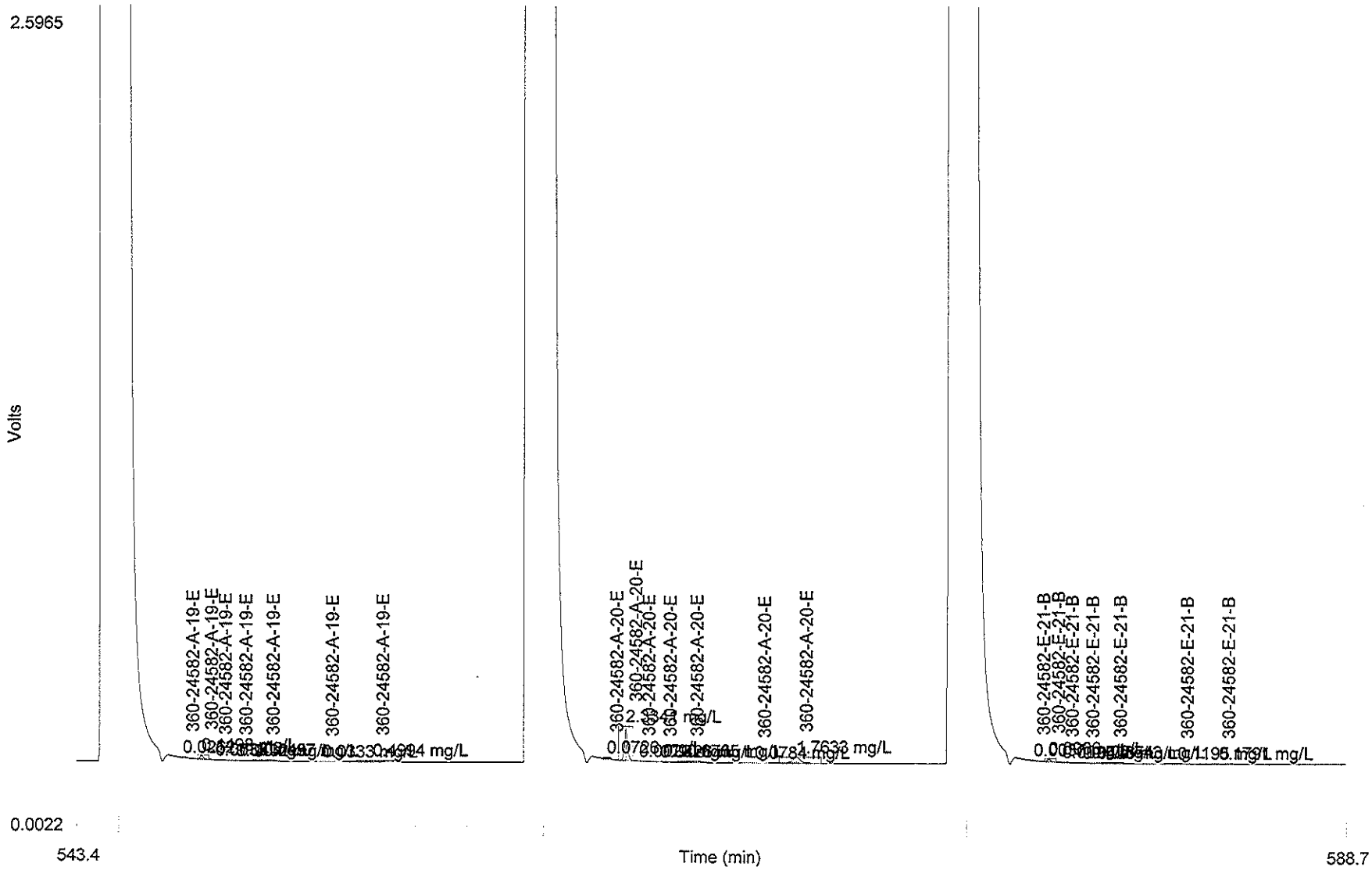
Channel 1 (Anions) : Set 11 of 18



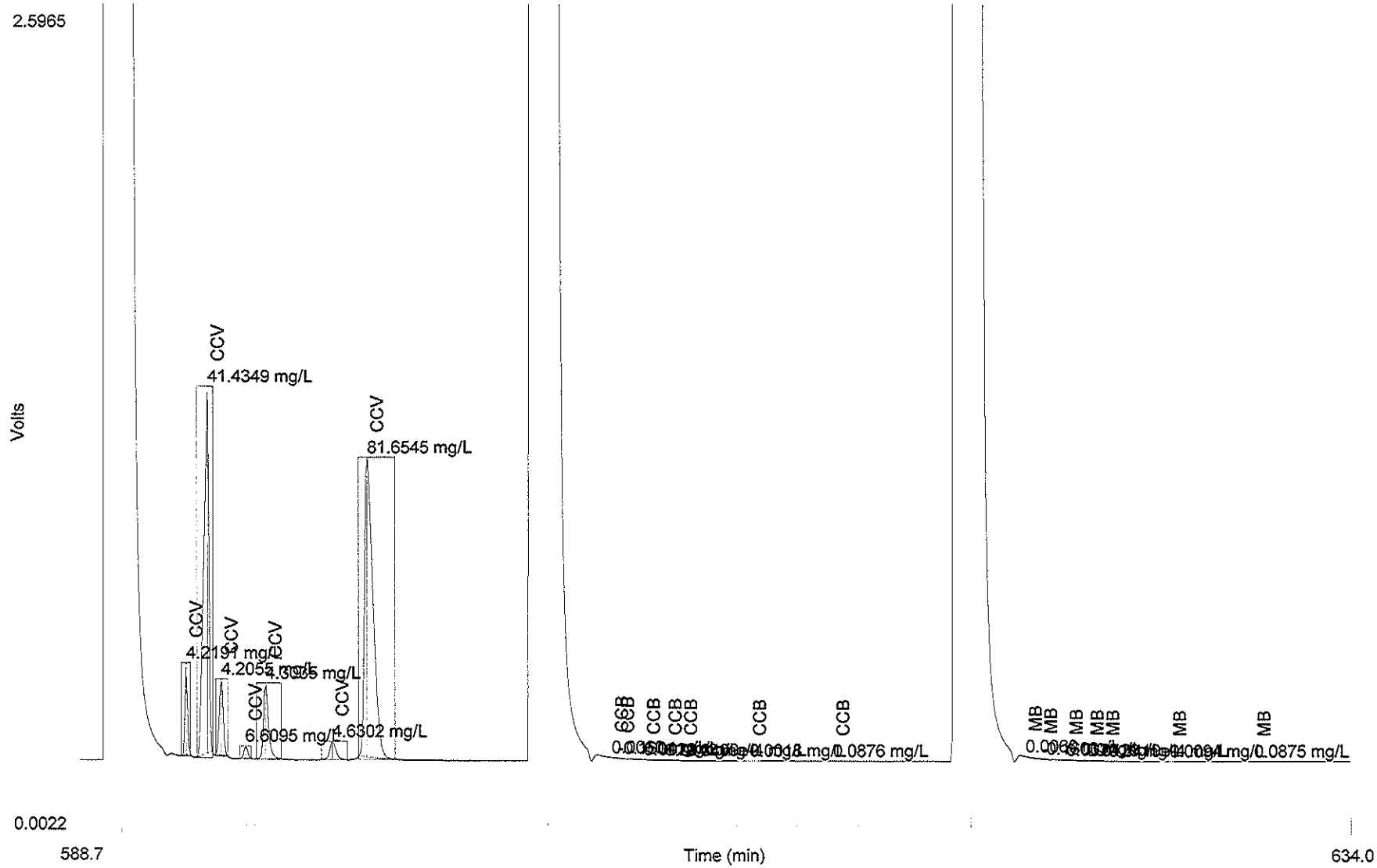
Channel 1 (Anions) : Set 12 of 18



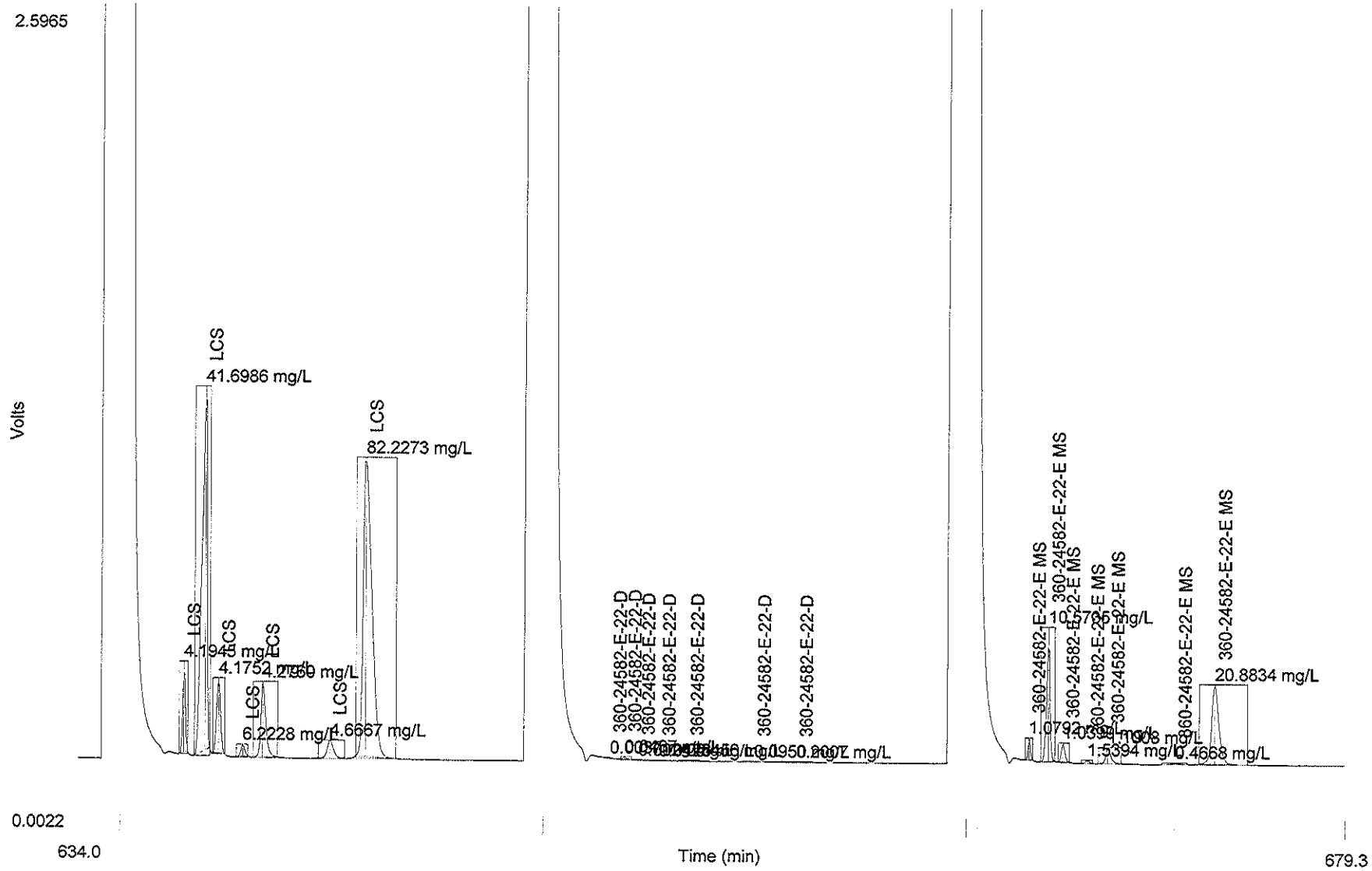
Channel 1 (Anions) : Set 13 of 18



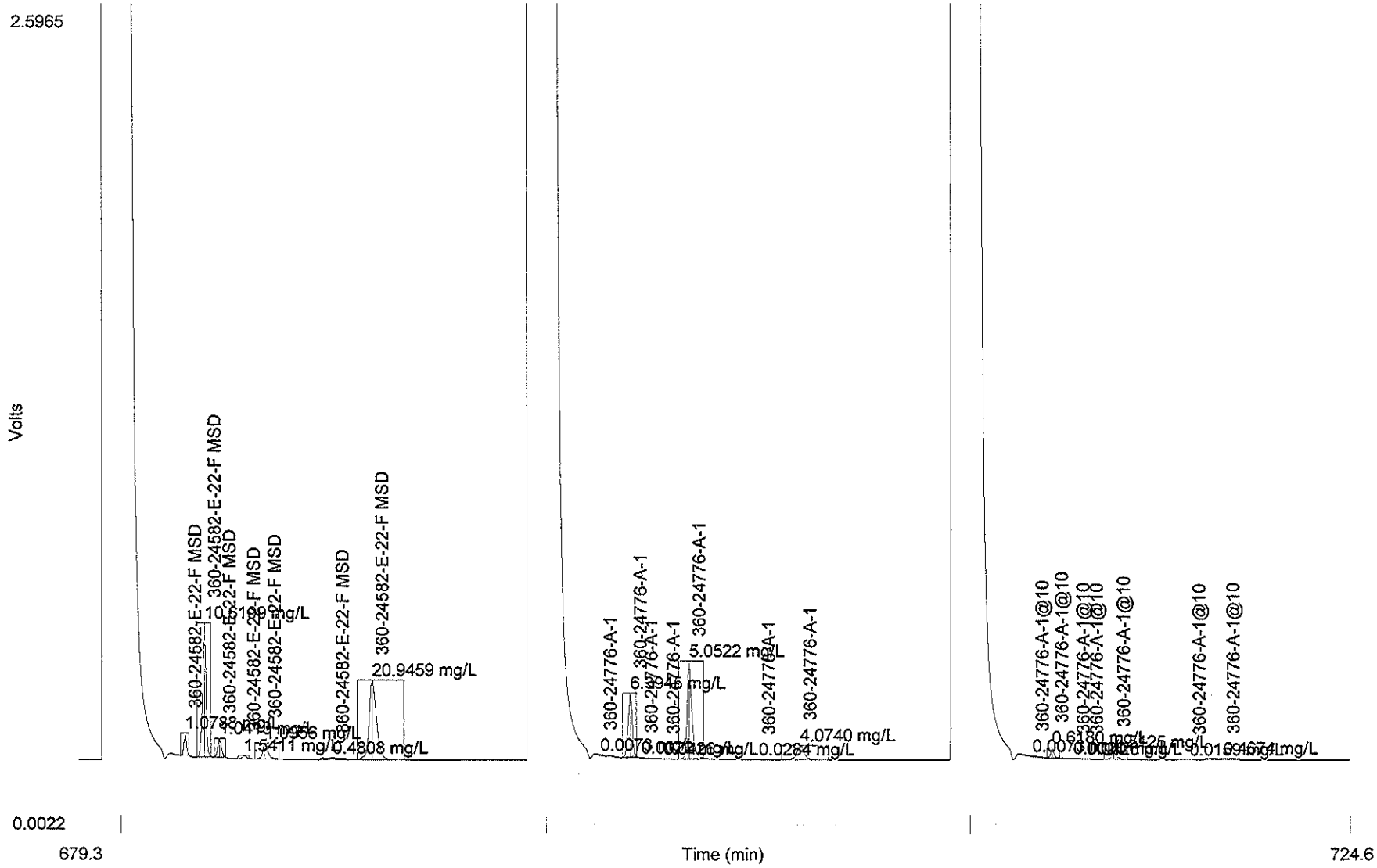
Channel 1 (Anions) : Set 14 of 18



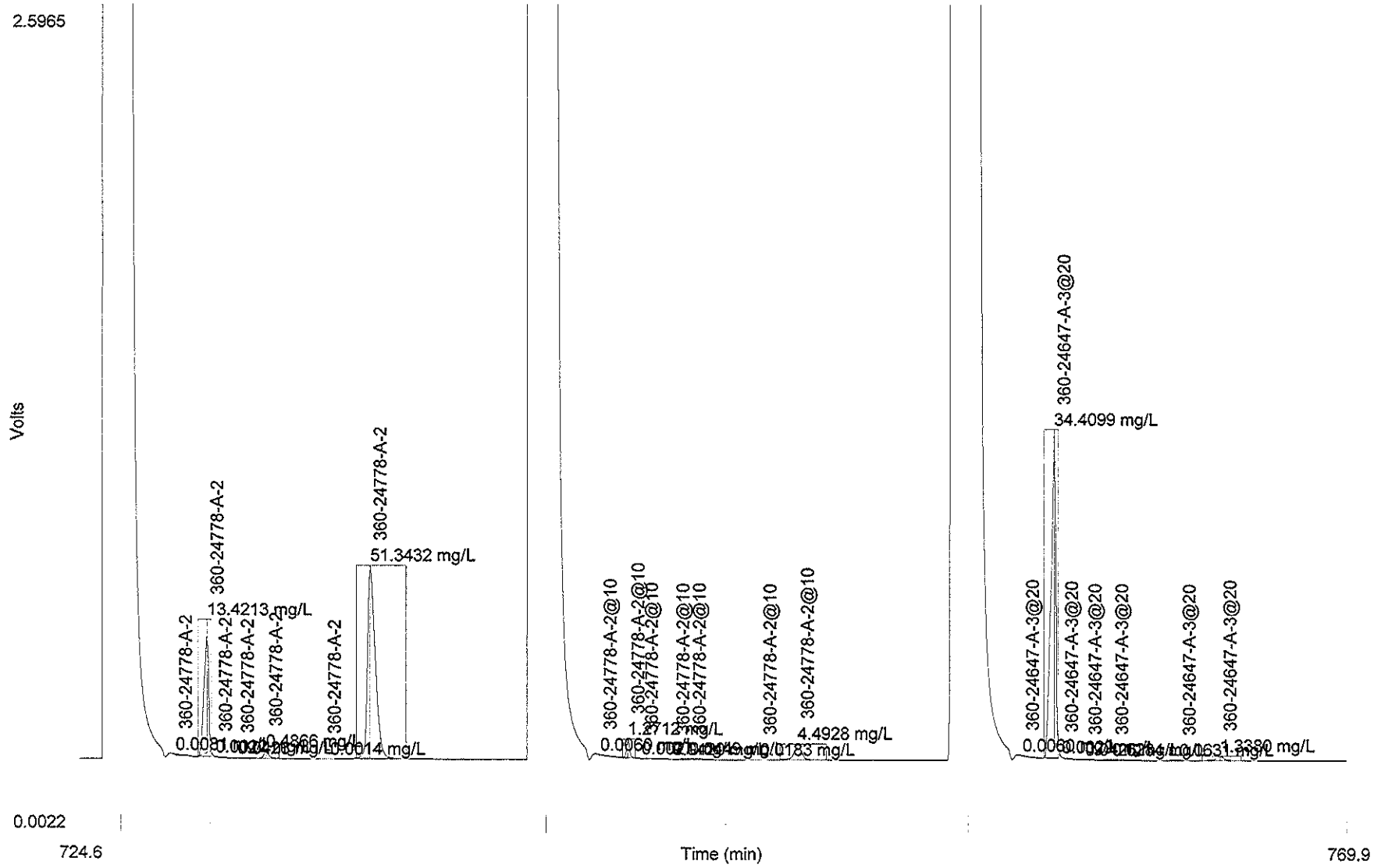
Channel 1 (Anions) : Set 15 of 18



Channel 1 (Anions) : Set 16 of 18



Channel 1 (Anions) : Set 17 of 18



Channel 1 (Anions) : Set 18 of 18

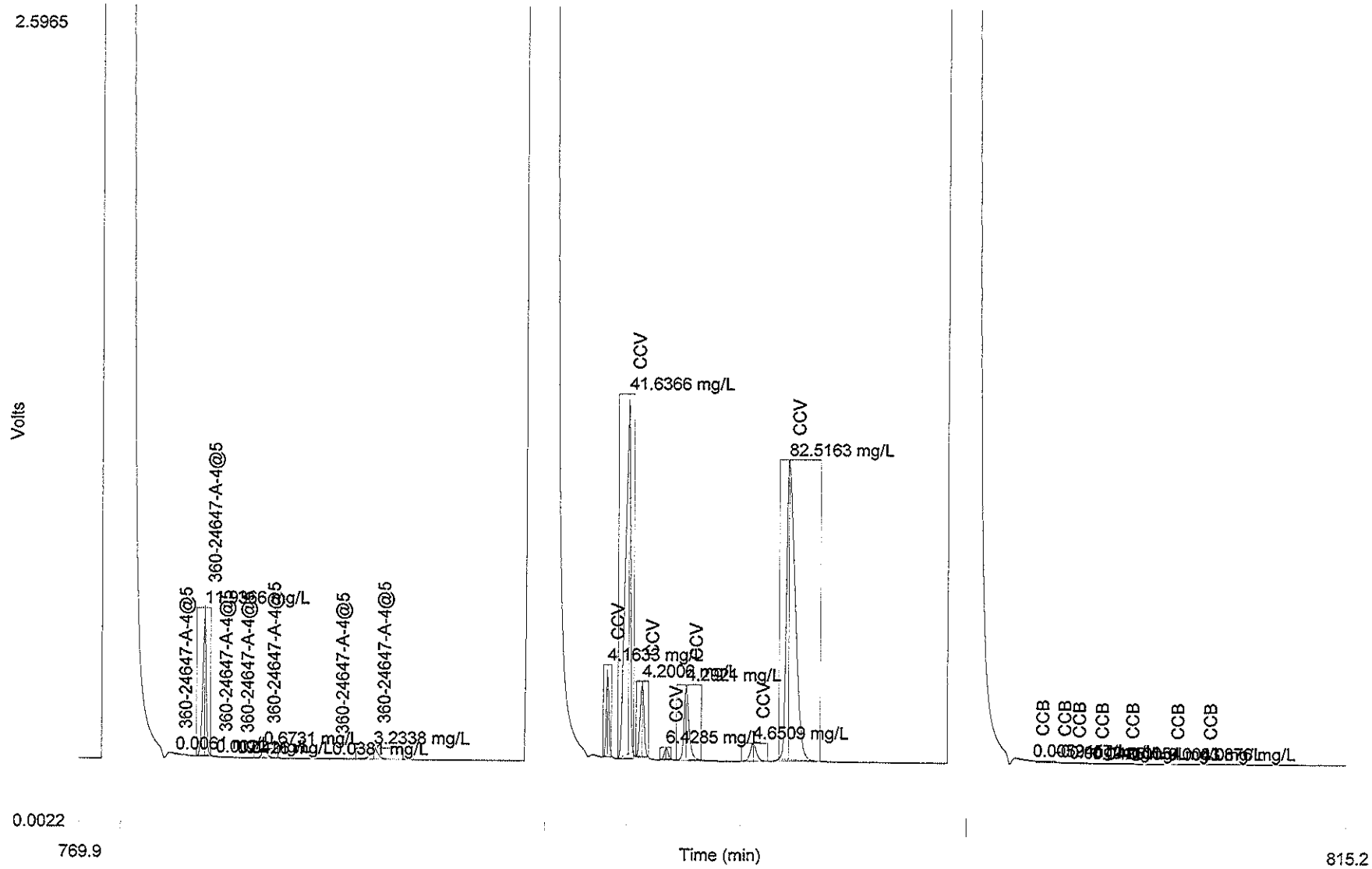
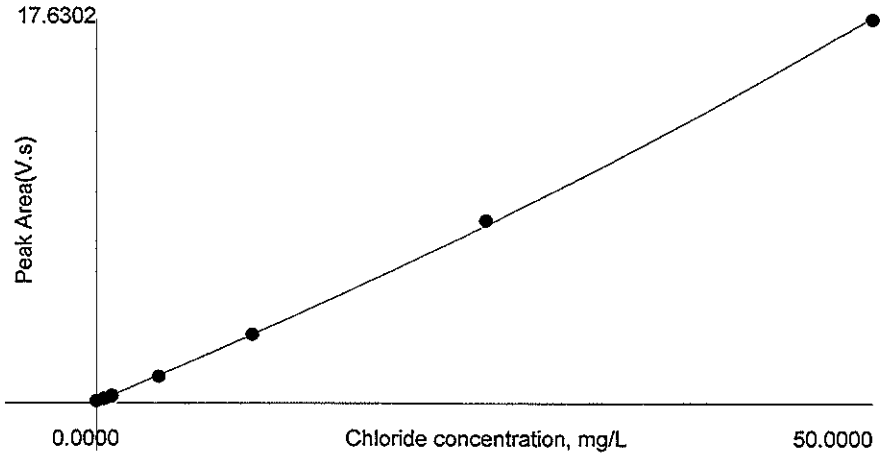


Table 1: Chloride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	50.0000	1	17.6302	1.2381	0.6	9/16/2009	8:28:38 AM
2	25.0000	1	8.3998	0.8041	-2.8	9/16/2009	8:28:38 AM
3	10.0000	1	3.1209	0.3944	0.2	9/16/2009	8:28:38 AM
4	4.0000	1	1.1796	0.1731	6.0	9/16/2009	8:28:38 AM
5	1.0000	1	0.3240	0.0491	7.3	9/16/2009	8:28:38 AM
6	0.5000	1	0.1862	0.0280	7.3	9/16/2009	8:28:39 AM
7	0.0000	1	0.0860	0.0123		9/16/2009	8:28:39 AM

Figure 1: Chloride



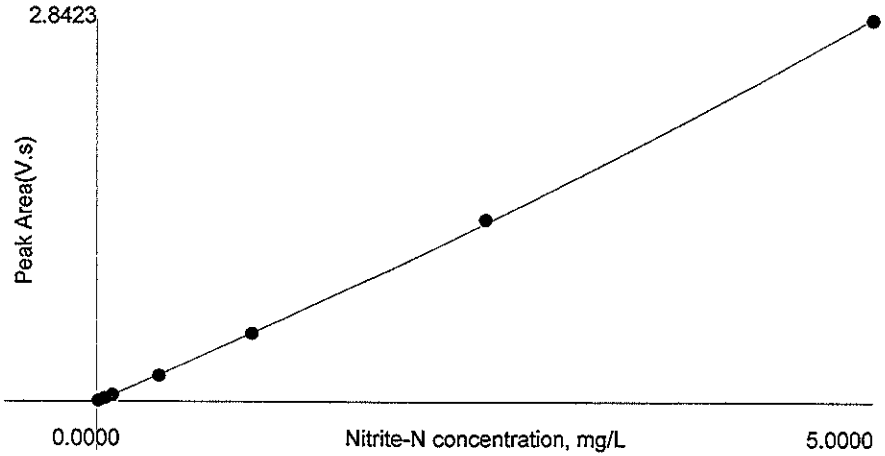
Area = 0.0012 * Conc^2 + 0.2959 * Conc + 0.0524
Conc = - 0.0276 * Area^2 + 3.3141 * Area - 0.1628
Correlation Coefficient (r) = 0.99996

1/x weighting

Table 2: Nitrite-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.8423	0.3563	0.4	9/16/2009	8:28:38 AM
2	2.5000	1	1.3614	0.1777	-2.2	9/16/2009	8:28:38 AM
3	1.0000	1	0.5045	0.0661	1.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.1913	0.0246	4.2	9/16/2009	8:28:38 AM
5	0.1000	1	0.0465	0.0059	4.7	9/16/2009	8:28:38 AM
6	0.0500	1	0.0227	0.0029	5.1	9/16/2009	8:28:39 AM
7	0.0100	1	0.0047	5.8955e-4	-15.9	9/16/2009	8:28:39 AM

Figure 2: Nitrite-N



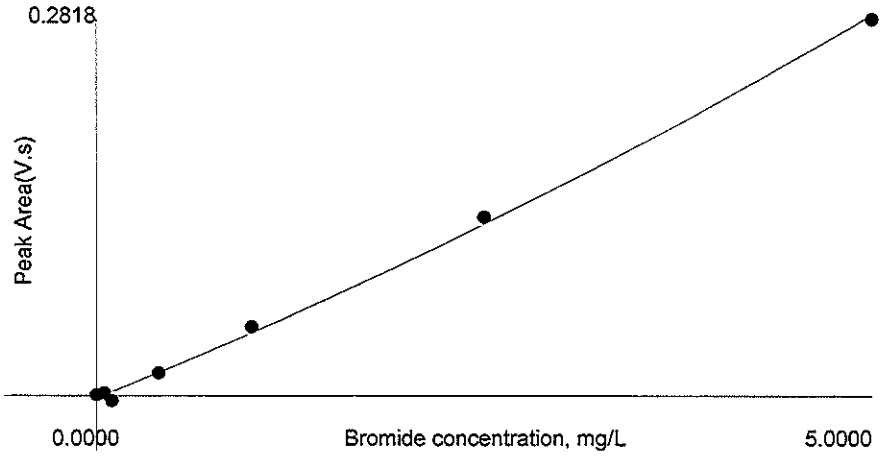
Area = 0.0152 * Conc^2 + 0.4954 * Conc - 9.2754e-4
Conc = - 0.0866 * Area^2 + 1.9960 * Area + 0.0022
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 3: Bromide

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.2818	0.0361	1.2	9/16/2009	8:28:38 AM
2	2.5000	1	0.1343	0.0182	-4.1	9/16/2009	8:28:38 AM
3	1.0000	1	0.0520	0.0071	-9.5	9/16/2009	8:28:38 AM
4	0.4000	1	0.0170	0.0025	3.1	9/16/2009	8:28:38 AM
5	0.1000	1	-0.0041	-1.7744e-4	235.8	9/16/2009	8:28:38 AM
6	0.0500	1	0.0019	2.7542e-4	-189.1	9/16/2009	8:28:39 AM
7	0.0000	1	3.9754e-4	5.4106e-5		9/16/2009	8:28:39 AM

Figure 3: Bromide



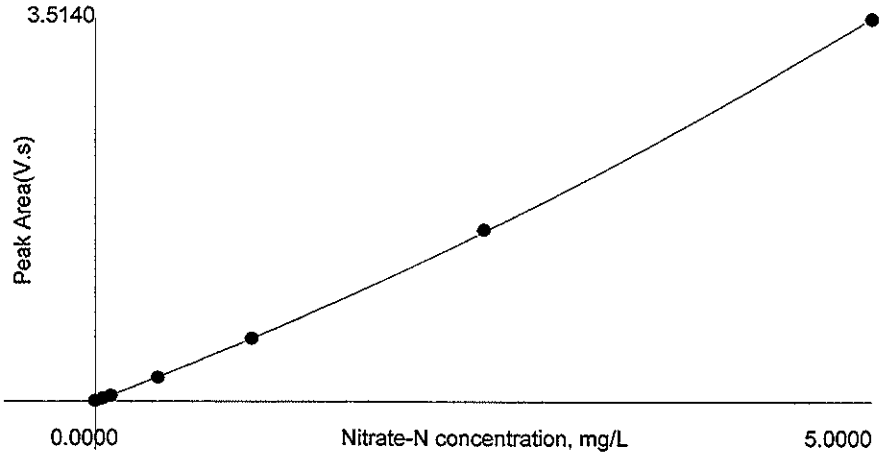
Area = 0.0020 * Conc^2 + 0.0472 * Conc - 0.0017
Conc = 1.0401 * Area^2 + 17.4857 * Area + 0.0426
Correlation Coefficient (r) = 0.99869

1/x weighting

Table 4: Nitrate-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	3.5140	0.2774	0.3	9/16/2009	8:28:38 AM
2	2.5000	1	1.5873	0.1303	-1.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.5799	0.0481	0.0	9/16/2009	8:28:38 AM
4	0.4000	1	0.2202	0.0182	2.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0524	0.0043	7.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0275	0.0022	5.2	9/16/2009	8:28:39 AM
7	0.0000	1	0.0054	4.2853e-4		9/16/2009	8:28:39 AM

Figure 4: Nitrate-N



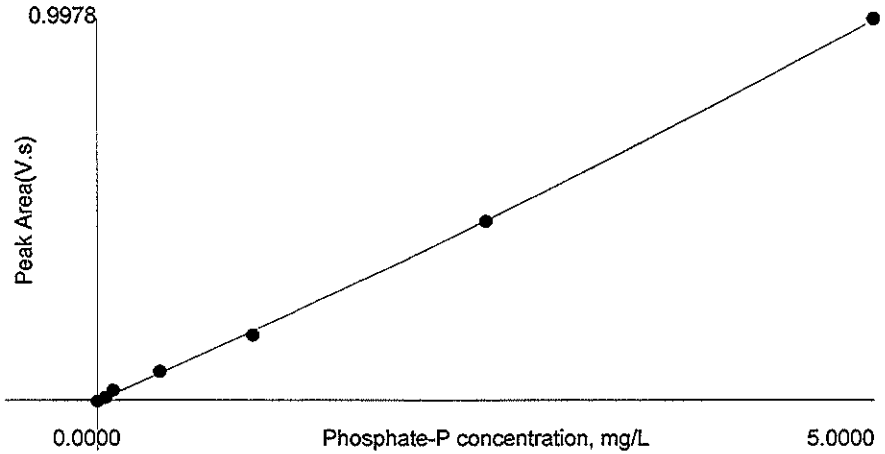
Area = 0.0315 * Conc^2 + 0.5472 * Conc + 0.0015
Conc = - 0.0993 * Area^2 + 1.7665 * Area - 9.5774e-4
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 5: Phosphate-P

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.9978	0.0673	-0.3	9/16/2009	8:28:38 AM
2	2.5000	1	0.4674	0.0326	0.4	9/16/2009	8:28:38 AM
3	1.0000	1	0.1691	0.0121	6.2	9/16/2009	8:28:38 AM
4	0.4000	1	0.0738	0.0050	-5.3	9/16/2009	8:28:38 AM
5	0.1000	1	0.0248	0.0019	-52.3	9/16/2009	8:28:39 AM
6	0.0500	1	0.0054	4.3257e-4	26.8	9/16/2009	8:28:39 AM
7	0.0000	1	-0.0037	-4.3631e-5		9/16/2009	8:28:39 AM

Figure 5: Phosphate-P



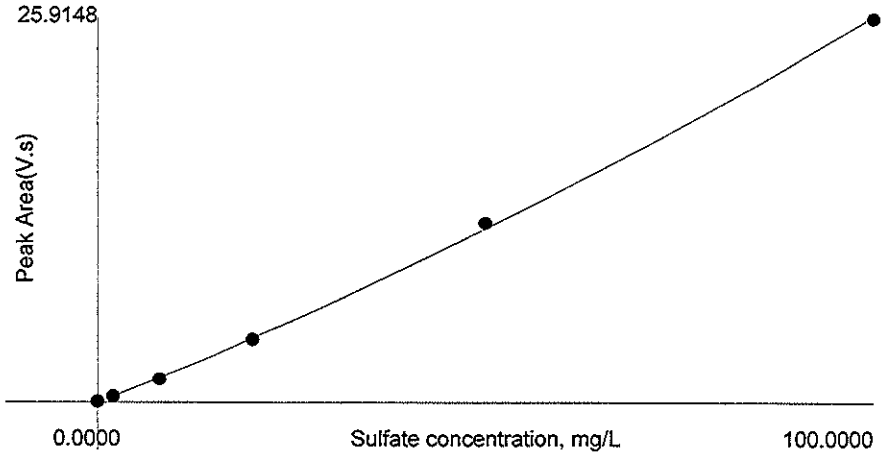
Area = 0.0044 * Conc^2 + 0.1773 * Conc - 0.0015
Conc = - 0.4758 * Area^2 + 5.4952 * Area + 0.0100
Correlation Coefficient (r) = 0.99983

1/x weighting

Table 6: Sulfate

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	100.0000	1	25.9148	1.1124	0.6	9/16/2009	8:28:38 AM
2	50.0000	1	11.9967	0.6060	-3.2	9/16/2009	8:28:38 AM
3	20.0000	1	4.2267	0.2326	1.8	9/16/2009	8:28:38 AM
4	8.0000	1	1.5557	0.0845	6.5	9/16/2009	8:28:38 AM
5	2.0000	1	0.3789	0.0202	6.2	9/16/2009	8:28:39 AM
6	0.0000	1	0.0415	0.0022		9/16/2009	8:28:39 AM

Figure 6: Sulfate



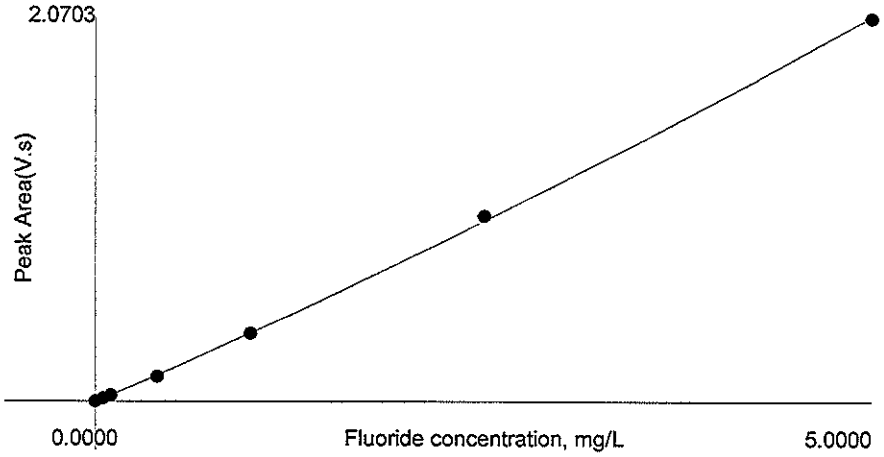
Area = 5.6524e-4 * Conc^2 + 0.2043 * Conc - 0.0068
Conc = - 0.0346 * Area^2 + 4.7266 * Area + 0.0876
Correlation Coefficient (r) = 0.99995

1/x weighting

Table 7: Fluoride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.0703	0.3807	0.6	9/16/2009	8:28:38 AM
2	2.5000	1	0.9955	0.1952	-2.7	9/16/2009	8:28:38 AM
3	1.0000	1	0.3663	0.0733	0.8	9/16/2009	8:28:38 AM
4	0.4000	1	0.1343	0.0263	6.6	9/16/2009	8:28:38 AM
5	0.1000	1	0.0321	0.0062	6.0	9/16/2009	8:28:38 AM
6	0.0500	1	0.0161	0.0031	-0.2	9/16/2009	8:28:39 AM
7	0.0000	1	5.652e-6	1.1027e-5		9/16/2009	8:28:39 AM

Figure 7: Fluoride



Area = 0.0114 * Conc^2 + 0.3600 * Conc - 0.0019
Conc = - 0.1657 * Area^2 + 2.7411 * Area + 0.0060
Correlation Coefficient (r) = 0.99998

1/x weighting

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

QC Source Data Sheet—Inorganics Dept

Method (circle one): IC 300_28D IC 300_48HR IC 9056_28D IC 9056_48HR

Date of Analytical Run: 9-25-09

Analyst's Initials: AH

QC Source Type	Manufacturer & Lot Number or Lab ID Source Code
Working Curve Standard	Prep'd on 06 AUG 2009
LCS/LCSD	W09HLCS001
ICV	STLMA-ICAL-3 Lot #B2-MEB26311 (W09DICV001)
CCV	W09HLCS001
MS/MSD	W09DSTK001

QC Standard True Values for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.50	25.0	2.50	2.50	2.50	50.0
ICB	0	0	0	0	0	0
MB	0	0	0	0	0	0
LCS/LCSD	4.00	40.0	4.00	4.00	4.00	80.0
MS/MSD	1.00	10.0	1.00	1.00	1.00	20.0

QC Standard Acceptable Recovery Ranges for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.25-2.75	22.5-27.5	2.25-2.75	2.25-2.75	2.25-2.75	45.0-55.0
ICB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
MB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
LCS/LCSD	3.40-4.60	34.0-46.0	3.40-4.60	3.40-4.60	3.40-4.60	68.0-92.0
MS/MSD	0.75-1.25	7.50-12.5	0.75-1.25	0.75-1.25	0.75-1.25	15.0-25.0

Current Method RLs (mg/L):

	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
	0.10	1.00	0.010	0.10	0.050	2.0

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 | Analyst: Lalashius, Andrew L | Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49375/1 N/A	N/A				N/A	N/A	N/A		MB 360-49375/1-A
2	LCS~360-49375/2 N/A	N/A				N/A	N/A	N/A		LCS 360-49375/2-A
3	360-24582-A-1 (300.0_28D)	OCRI-15	Solid	10.09 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-1-F
	360-24582-A-5 (300.0_28D)	OCRI-15	Solid	10.08 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-5-E
	360-24582-A-6 (300.0_28D)	OCRI-15	Solid	10.14 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-6-E
	360-24582-A-7 (300.0_28D)	OCRI-15	Solid	9.96 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-7-E
	360-24582-A-9 (300.0_28D)	OCRI-15	Solid	10.14 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-9-F
8	360-24582-A-10 (300.0_28D)	OCRI-15	Solid	10.08 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-10-E
9	360-24582-A-11 (300.0_28D)	OCRI-15	Solid	10.01 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-11-E
10	360-24582-A-12 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-12-E
11	360-24582-A-13 (300.0_28D)	OCRI-15	Solid	10.05 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-13-E
12	360-24582-A-14 (300.0_28D)	OCRI-15	Solid	10.16 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-14-F
13	360-24582-A-16 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-16-E
14	360-24582-A-17 (300.0_28D)	OCRI-15	Solid	10.04 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-17-F
15	360-24582-A-19 (300.0_28D)	OCRI-15	Solid	10.00 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-19-E

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 Analyst: Lalashius, Andrew L. Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 Batch End:

16	360-24582-A-20 (300.0_28D)	OCRI-15	Solid	9.96 g	100 mL	9/25/09	9_Days - R	4		360-24582-A-20-E
17	360-24582-E-21 (300.0_28D)	OCRI-15	Solid	10.07 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-21-B
18	360-24582-E-22 (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-D
19	360-24582-E-22~MS (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-E MS
20	360-24582-E-22~MSD (300.0_28D)	OCRI-15	Solid	10.11 g	100 mL	9/25/09	9_Days - R	4		360-24582-E-22-F MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375 | Analyst: Lalashius, Andrew L | Batch Open: 9/23/2009 3:30:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Batch Comment

Blank Soil Lot Number

Comments

Login Comments for Job 24582: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - #1, #4

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49375

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/23/2009 3:30:00PM

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: NH_3 LACH-07-06-1-B

Date of Analytical Run: 9-22-09

Primary Reviewer's Initials: AM

Date of Primary Review: 9-22-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-22-09

Batch Numbers	49291	49292			

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓		
Were any jobs in this batch Level 4?	X			24499, 24582, 24563
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			

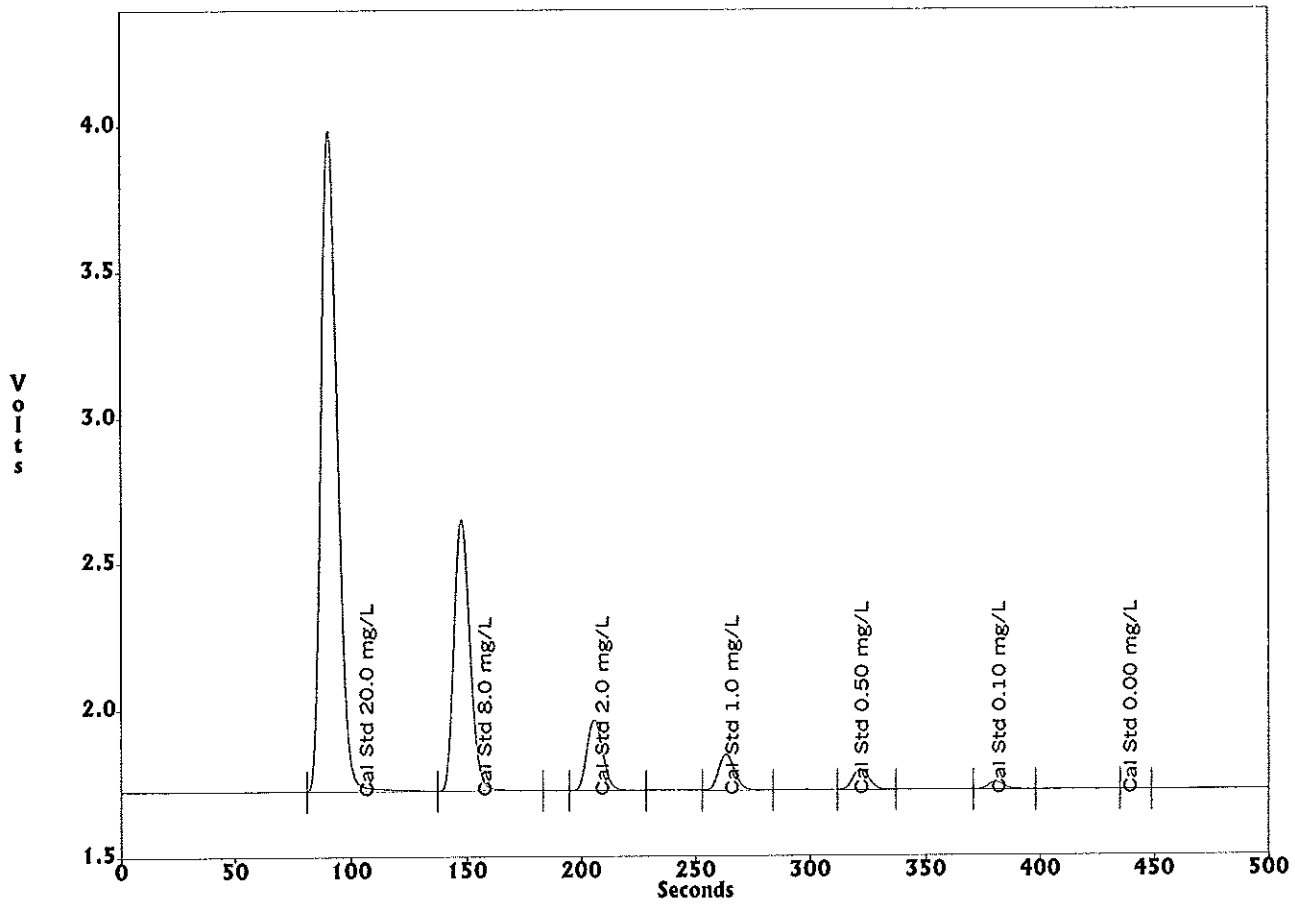
OPERATOR: lalashius
ACQ. TIME: Sep 22, 2009 8:42:46
DATA FILENAME: C:\OMNION\DATA\2009\092209A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\092209.TRA

TRAY DESCRIPTION:
Created: Sep 22, 2009 8:25:19
Modified: Sep 22, 2009 9:39:03

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
1	Cal Std 20.0 mg/L	22 Sep 2009	08:42:48	1	18615430.000
2	Cal Std 8.0 mg/L	22 Sep 2009	08:43:45	1	7504186.000
3	Cal Std 2.0 mg/L	22 Sep 2009	08:44:43	1	1952339.000
4	Cal Std 1.0 mg/L	22 Sep 2009	08:45:41	1	1002118.000
5	Cal Std 0.50 mg/L	22 Sep 2009	08:46:39	1	571667.000
6	Cal Std 0.10 mg/L	22 Sep 2009	08:47:38	1	227075.000
7	Cal Std 0.00 mg/L	22 Sep 2009	08:48:37	1	24520.000

Channel 1 - Ammonia



OPERATOR: lalashius
DATA FILENAME: C:\OMNION\DATA\2009\092209A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\092209.TRA

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)	
1	ICV	22 Sep 2009	08:51:04	1	10.1693	
2	ICB	22 Sep 2009	08:52:02	1	-0.1137	
3	MB 360-49240/1-A	22 Sep 2009	08:53:00	1	-0.0758	
4	LCS 360-49240/2-A	22 Sep 2009	08:53:59	1	8.9955	
5	360-24499-E-1-B	22 Sep 2009	08:54:57	1	-0.0044	
6	360-24499-A-2-E	22 Sep 2009	08:55:56	1	0.2614	
7	360-24499-A-3-C	22 Sep 2009	08:56:53	1	0.1077	
8	360-24499-A-4-D	22 Sep 2009	08:57:50	1	5.0721	
9	360-24499-A-5-E	22 Sep 2009	08:58:48	1	0.0752	
10	360-24499-A-6-E	22 Sep 2009	08:59:45	1	0.2456	
11	360-24499-A-7-F	22 Sep 2009	09:00:42	1	3.6967	
12	360-24499-A-14-E	22 Sep 2009	09:01:40	1	0.2217	
13	ccv	22 Sep 2009	09:02:37	1	8.0683	
14	CCB	22 Sep 2009	09:03:33	1	-0.1137	
15	360-24499-A-15-C	22 Sep 2009	09:04:30	1	0.1502	
16	360-24499-A-16-E	22 Sep 2009	09:05:28	1	0.0014	
17	360-24499-A-17-F	22 Sep 2009	09:06:27	1	31.5589	- Dilution, pg. 4
18	360-24499-A-18-D	22 Sep 2009	09:07:25	1	2.3135	
19	360-24499-G-19-B	22 Sep 2009	09:08:23	1	0.1014	
20	360-24499-A-20-F	22 Sep 2009	09:09:22	1	0.7730	
21	360-24499-G-21-B	22 Sep 2009	09:10:20	1	3.3523	
22	360-24499-A-22-F	22 Sep 2009	09:11:18	1	0.0649	
23	360-24499-A-22-G MS	22 Sep 2009	09:12:17	1	9.0304	
24	360-24499-A-22-H MSD	22 Sep 2009	09:13:14	1	10.0743	
25	ccv	22 Sep 2009	09:14:11	1	8.0696	
26	ccb	22 Sep 2009	09:15:09	1	-0.1137	

Ammonia Buffer=W09IRGT002; Sodium Phenolate=W09HRGT013; Sodium Nitroprusside=W09GRGT017; LCS=10 mg/L +/-15% (W08CSTK004). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 6178-04; TV=10.0 MG/L =+/- 10%.

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
27	MB 360-49242/1-A	22 Sep 2009	09:16:06	1	-0.0608
28	LCS 360-49242/2-A	22 Sep 2009	09:17:03	1	9.3410
29	360-24497-D-1-B	22 Sep 2009	09:18:01	1	-0.0514
30	360-24497-D-1-C MS	22 Sep 2009	09:18:58	1	10.1114
31	360-24497-D-1-D MSD	22 Sep 2009	09:19:57	1	9.3832
32	360-24582-H-4-A	22 Sep 2009	09:20:55	1	-0.0491
33	360-24563-H-23-A	22 Sep 2009	09:21:53	1	-0.0612
34	360-24594-E-1-A	22 Sep 2009	09:22:52	1	2.0889
35	360-24594-D-3-A	22 Sep 2009	09:23:50	1	0.1142
36	360-24510-A-1-A	22 Sep 2009	09:24:48	1	-0.0699
37	ccv	22 Sep 2009	09:25:47	1	7.9461
38	ccb	22 Sep 2009	09:26:45	1	-0.1137
39	360-24623-C-1-A	22 Sep 2009	09:27:43	1	-0.0215
40	360-24623-C-2-A	22 Sep 2009	09:28:40	1	-0.0597
41	360-24623-C-3-A	22 Sep 2009	09:29:37	1	-0.0289
42	360-24618-B-2-A	22 Sep 2009	09:30:35	1	-0.0104
43	360-24495-A-1-D	22 Sep 2009	09:31:32	1	1.2390
44	360-24495-A-6-B	22 Sep 2009	09:32:29	1	17.0111
45	360-24495-A-8-B	22 Sep 2009	09:33:27	1	23.3147
46	360-24620-A-1-B	22 Sep 2009	09:34:26	1	0.3184
47	360-24547-A-2-B	22 Sep 2009	09:35:26	1	24.0518
48	360-24624-A-2-B	22 Sep 2009	09:36:24	1	23.2206
49	ccv	22 Sep 2009	09:37:22	1	7.9993
50	ccb	22 Sep 2009	09:38:21	1	-0.1137

Dilutions, pg. 4

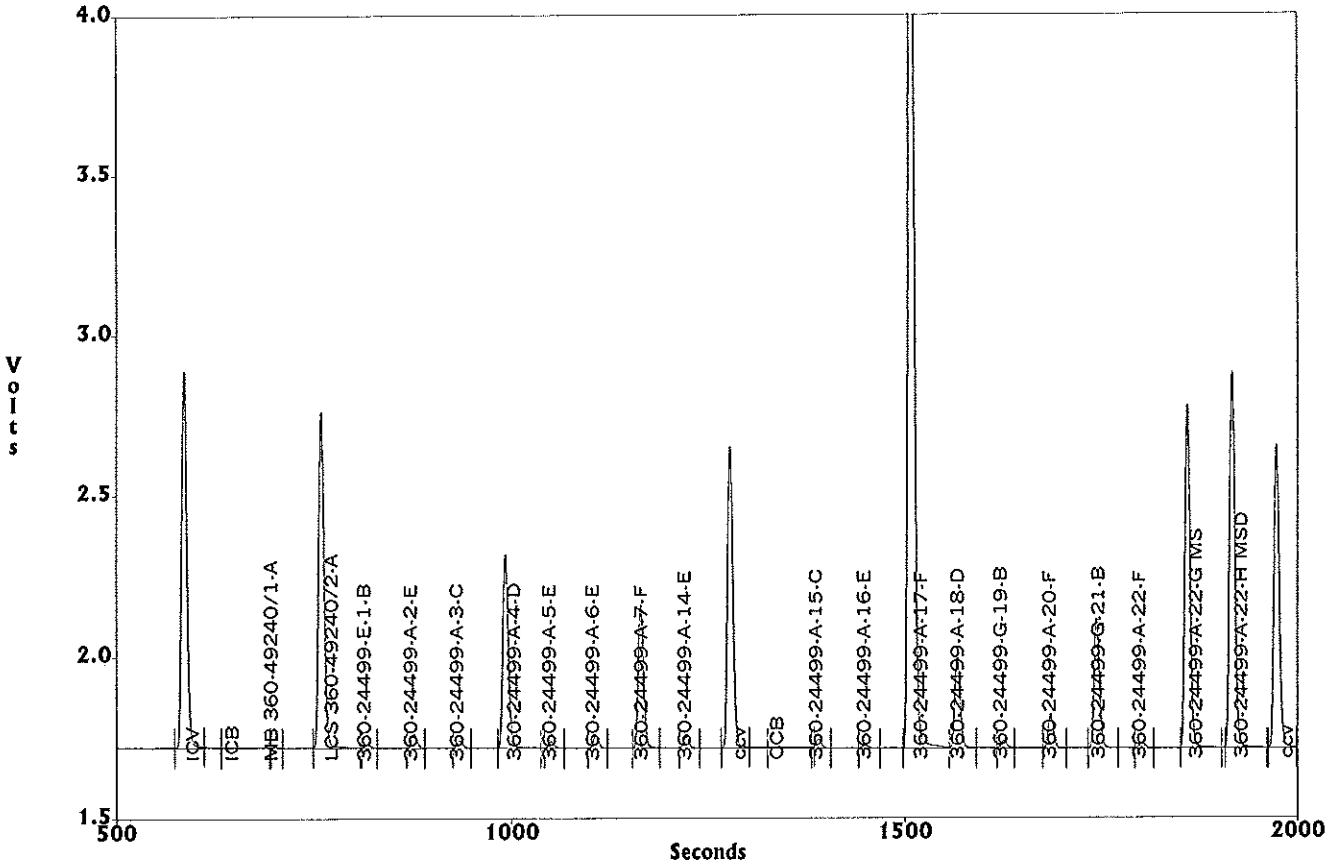
pre 9-22-09

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 51 to 75

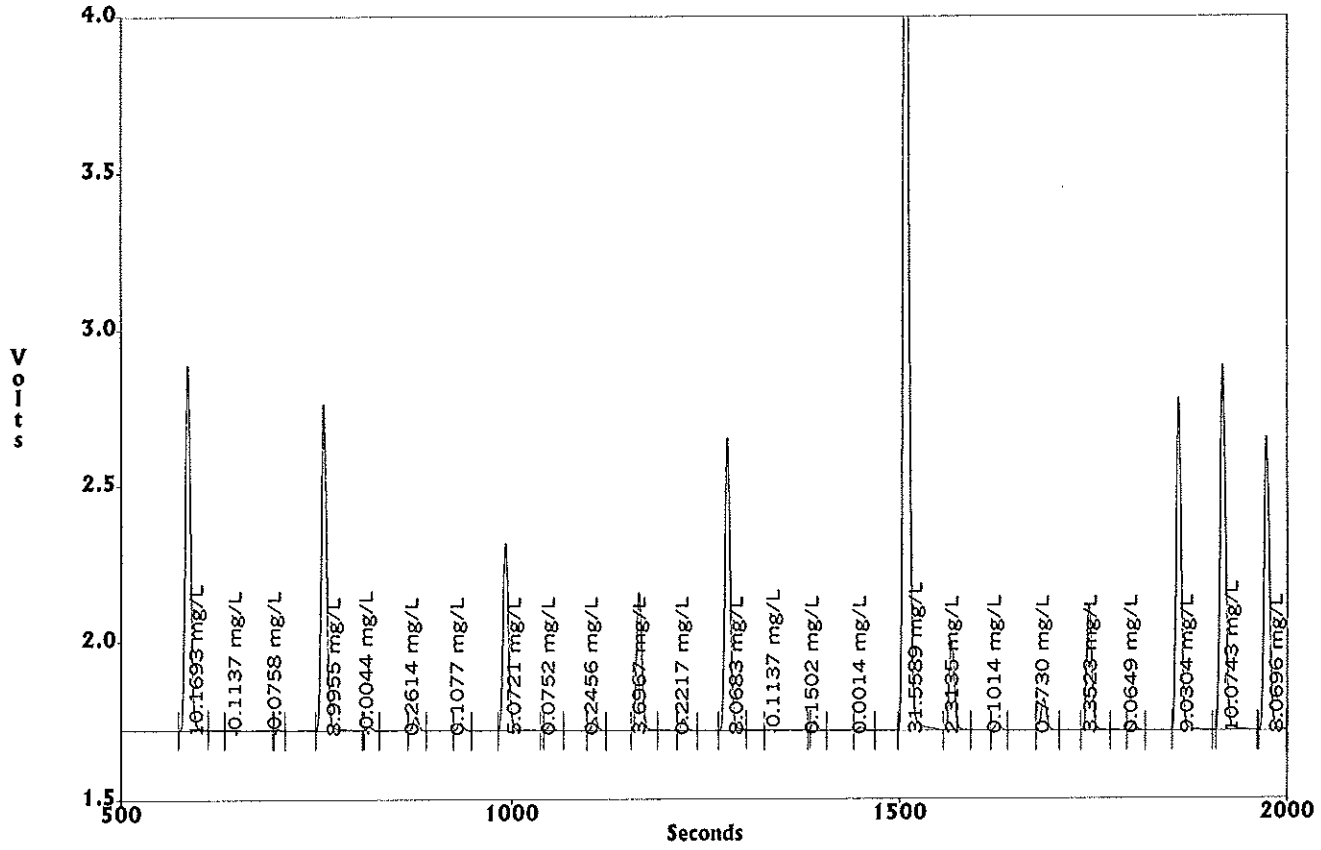
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
51	360-24499-A-17-F@5	22 Sep 2009	09:39:19	1	7.0426
52	360-24495-A-8-B@5	22 Sep 2009	09:40:18	1	6.6613
53	360-24547-A-2-B@5	22 Sep 2009	09:41:16	1	8.2113
54	360-24624-A-2-B@5	22 Sep 2009	09:42:14	1	7.2170
61	ccv	22 Sep 2009	09:43:14	1	7.9793
62	ccb	22 Sep 2009	09:44:13	1	-0.1137

RLG 9-22-09

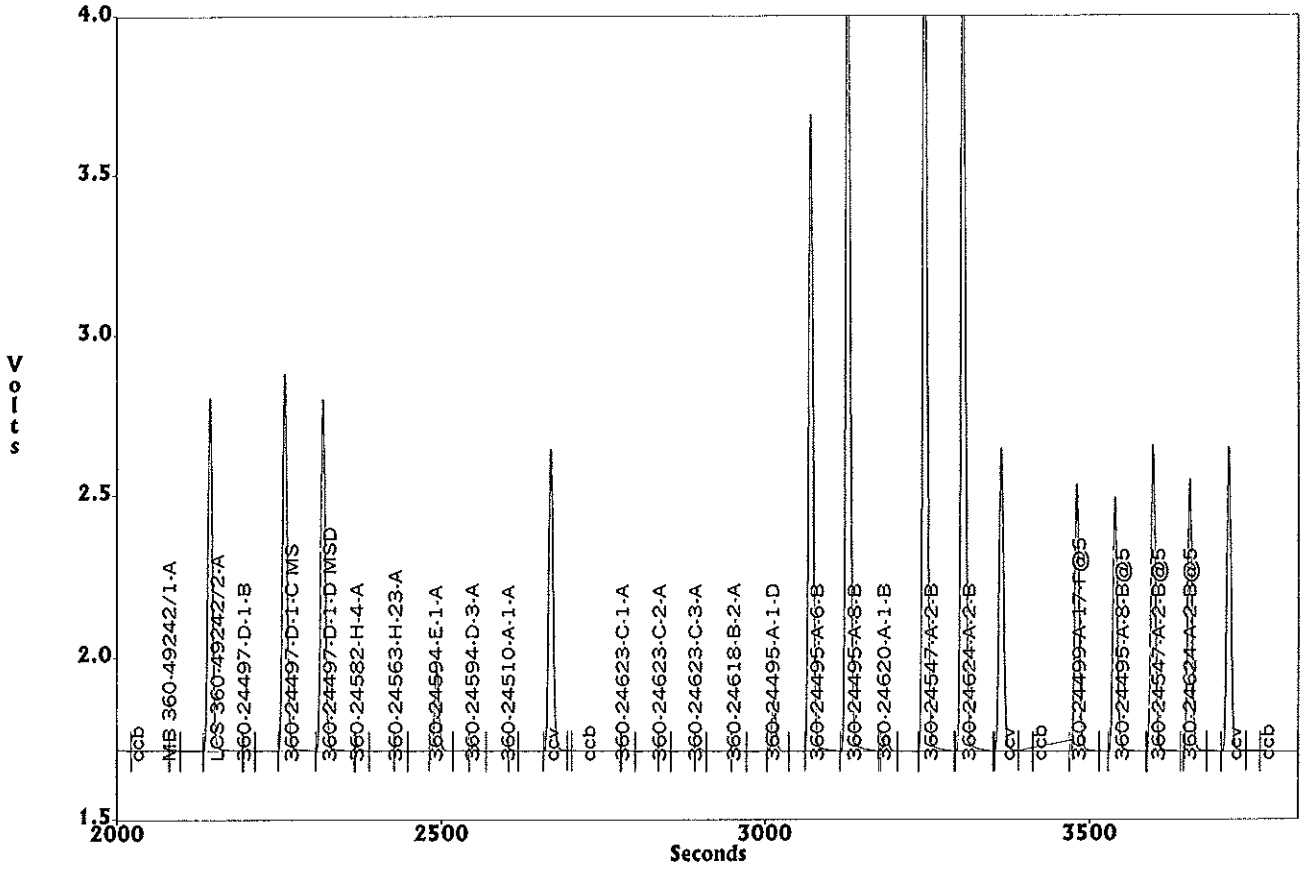
Channel 1 - Ammonia



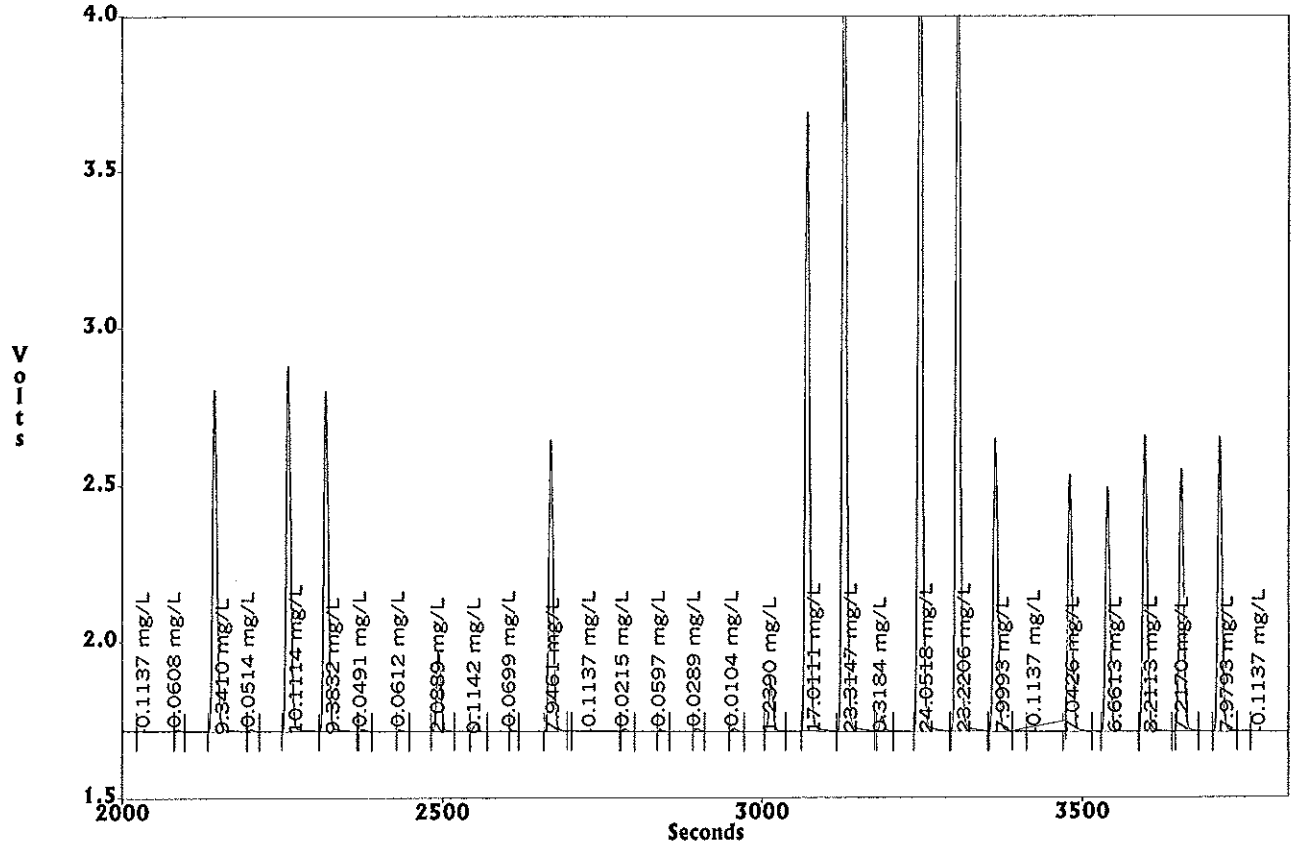
Channel 1 - Ammonia



Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	lalashius
ACQ. TIME:	Sep 22, 2009 8:42:46
DATA FILENAME:	C:\OMNION\DATA\2009\092209A.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\092209.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 09/09/2009 Date Expires: 10/09/2009

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	16;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ MilliQ:	100;	200;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0 mL of W08CSTK004 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 101 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

AE 9-22-09

Review Analyte Calibration

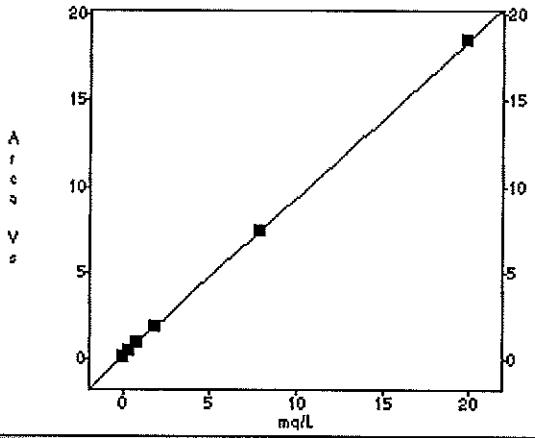
Exit! Update! Fit Scale Graph Print Help

Ammonia

Level	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Re %R
1	18615430	20	18615430					0.0	
2	7504186	8	7504186					0.0	
3	1952339	2	1952339					0.0	
4	1002118	1	1002118					0.0	
5	571667	0.5	571667					0.0	

Analyte List

Ammonia



Scaling: None
Weighting: None
1st Order Poly
Conc = 1.081e-006 Area + 1.137e-001
r = 1.0000

Ready

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49240 | Analyst: Lalashius, Andrew L | Batch Open: 9/21/2009 11:34:00AM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49240/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-49240/1-A
2	LCS~360-49240/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-49240/2-A
3	360-24499-E-1 (LACH_107_06_1_B)	OCRI-13	Solid	0.71 g	50 mL	9/22/09	9_Days - R	4		360-24499-E-1-B
4	360-24499-A-2 (LACH_107_06_1_B)	OCRI-13	Solid	0.82 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-2-E
5	360-24499-A-3 (LACH_107_06_1_B)	OCRI-13	Solid	0.84 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-3-C
6	360-24499-A-4 (LACH_107_06_1_B)	OCRI-13	Solid	0.93 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-4-D
7	360-24499-A-5 (LACH_107_06_1_B)	OCRI-13	Solid	0.94 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-5-E
8	360-24499-A-6 (LACH_107_06_1_B)	OCRI-13	Solid	0.89 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-6-E
9	360-24499-A-7 (LACH_107_06_1_B)	OCRI-13	Solid	0.81 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-7-F
10	360-24499-A-14 (LACH_107_06_1_B)	OCRI-13	Solid	0.84 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-14-E
11	360-24499-A-15 (LACH_107_06_1_B)	OCRI-13	Solid	0.93 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-15-C
12	360-24499-A-16 (LACH_107_06_1_B)	OCRI-13	Solid	0.89 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-16-E
13	360-24499-A-17 (LACH_107_06_1_B)	OCRI-13	Solid	0.89 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-17-F
14	360-24499-A-18 (LACH_107_06_1_B)	OCRI-13	Solid	0.90 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-18-D
15	360-24499-G-19 (LACH_107_06_1_B)	OCRI-13	Solid	0.77 g	50 mL	9/22/09	9_Days - R	4		360-24499-G-19-B

Page 2730 of 2827
10/13/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49240 Analyst: Lalashius, Andrew L Batch Open: 9/21/2009 11:34:00AM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	360-24499-A-20 (LACH_107_06_1_B)	OCRI-13	Solid	0.80 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-20-F
17	360-24499-G-21 (LACH_107_06_1_B)	OCRI-13	Solid	0.89 g	50 mL	9/22/09	9_Days - R	4		360-24499-G-21-B
18	360-24499-A-22 (LACH_107_06_1_B)	OCRI-13	Solid	0.71 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-22-F
19	360-24499-A-22~MS (LACH_107_06_1_B)	OCRI-13	Solid	0.82 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-22-G MS
20	360-24499-A-22~MSD (LACH_107_06_1_B)	OCRI-13	Solid	0.91 g	50 mL	9/22/09	9_Days - R	4		360-24499-A-22-H MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49240

Method Code: 360-Distill_Ammonia-360

Analyst: Lalashius, Andrew L

Batch Open: 9/21/2009 11:34:00AM

Batch End:

Batch Notes

Acid used for pH adjustment

Base used for pH adjustment

Batch Comment

Buffer Lot #

Buffer Reagent ID Number

Distillation End Time

Distilliation Unit ID

Distillation Start Time

Distillation Temperature

Sulfuric Acid Lot Number

NaOH Lot #

Sulfuric Acid Reagent ID Number

Temperature

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49240

Analyst: Lalashius, Andrew L

Batch Open: 9/21/2009 11:34:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Comments

Login Comments for Job 24499: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - Samp 1, 7,17,18,19,20,21,22
Limited volume on sample 4 use minium amount. If enough sample I will added EPH/SO4/CL but we need to run other stuff first

360-24499-E-1

Sample Comments: Diphenylamine

360-24499-A-7

Sample Comments: Diphenylamine

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49240 Analyst: Lalashius, Andrew L Batch Open: 9/21/2009 11:34:00AM

Method Code: 360-Distill_Ammonia-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-49240/2	W08CSTK004_00001	500 uL	50 mL		
360-24499-A-22 MS	W08CSTK004_00001	500 uL	50 mL		
360-24499-A-22 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49242

Analyst: Lalashius, Andrew L

Batch Open: 9/21/2009 2:13:00PM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49242/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-49242/1-A
2	LCS~360-49242/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-49242/2-A
3	360-24497-D-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	1		360-24497-D-1-B
4	360-24497-D-1~MS (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	1		360-24497-D-1-C MS
5	360-24497-D-1~MSD (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	1		360-24497-D-1-D MSD
6	360-24582-H-4 (LACH_107_06_1_B)	OCRI-15	Water		50 mL	9/25/09	9_Days - R	4		360-24582-H-4-A
7	360-24563-H-23 (LACH_107_06_1_B)	OCRI-14	Water		50 mL	9/24/09	9_Days - R	4		360-24563-H-23-A
8	360-24594-E-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/28/09	9_Days - R	1		360-24594-E-1-A
9	360-24594-D-3 (LACH_107_06_1_B)	N/A	Water		50 mL	9/28/09	9_Days - R	1		360-24594-D-3-A
10	360-24510-A-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/23/09	9_Days - R	1		360-24510-A-1-A
11	360-24623-C-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24623-C-1-A
12	360-24623-C-2 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24623-C-2-A
13	360-24623-C-3 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24623-C-3-A
14	360-24618-B-2 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24618-B-2-A
15	360-24495-A-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	2		360-24495-A-1-D

Page 2735 of 2827
10/13/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49242 Analyst: Lalashius, Andrew L Batch Open: 9/21/2009 2:13:00PM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	360-24495-A-6 (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	2		360-24495-A-6-B
17	360-24495-A-8 (LACH_107_06_1_B)	N/A	Water		50 mL	9/22/09	9_Days - R	2		360-24495-A-8-B
18	360-24620-A-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24620-A-1-B
19	360-24547-A-2 (LACH_107_06_1_B)	N/A	Water		50 mL	9/24/09	9_Days - R	1		360-24547-A-2-B
20	360-24624-A-2 (LACH_107_06_1_B)	N/A	Water		50 mL	9/29/09	9_Days - R	1		360-24624-A-2-B

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49242

Analyst: Lalashius, Andrew L

Batch Open: 9/21/2009 2:13:00PM

Method Code: 360-Distill_Ammonia-360

Batch End:

Batch Notes

Acid used for pH adjustment

Base used for pH adjustment

Batch Comment

Buffer Lot #

Buffer Reagent ID Number

Distillation End Time

Distilliation Unit ID

Distillation Start Time

Distillation Temperature

Sulfuric Acid Lot Number

NaOH Lot #

Sulfuric Acid Reagent ID Number

Temperature

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49242 | Analyst: Lalashius, Andrew L | Batch Open: 9/21/2009 2:13:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Comments

Login Comments for Job 24582: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - #1, #4

Login Comments for Job 24563: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine on samples 1,2,3,4,5,6,7,9,11,12,13,14,15,16

Login Comments for Job 24510: **please include statement of potability in the report**

360-24495-A-1
Sample Comments: Wastewater

360-24495-A-6
Sample Comments: Wastewater

360-24495-A-8
Sample Comments: Wastewater

Login Comments for Job 24624: **pdf only**

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49242 | Analyst: Lalashius, Andrew L | Batch Open: 9/21/2009 2:13:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-49242/2	W08CSTK004_00001	500 uL	50 mL		
360-24497-D-1 MS	W08CSTK004_00001	500 uL	50 mL		
360-24497-D-1 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Easy-DIST Distillation Log

Analyst Initials: AH

Date: 9-21-09

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = NH_3 Temperature = 210 Start Time = 1134 Stop Time = 1243	Run #2 Method = NH_3 Temperature = 210 Start Time = 1413 Stop Time = 1513	Run #3 Method = Temperature = Start Time = Stop Time =	<-----PAC Use Only-----> Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB	MB							
2	LCS	LCS							
3	24499E1 0.71g	24497D1							
4	A2 0.82g	1MS							
5	A3 0.84g	1MSD							
6	A4 0.93g	24582H4							
7	A5 0.94g	24563H23							
8	A6 0.89g	24594E1							
9	A7 0.84g	D3							
10	A14 0.84g	24510A1							
11	A15 0.93g	24623C1							
12	A16 0.89g	2							
13	A17 0.89g	3							
14	A18 0.90g	24618B2							
15	G19 0.77g	24495A1							
16	A20 0.80g	6							
17	G21 0.89g	8							
18	A22 0.71g	24620A1							
19	A22MS 0.82g	24547A2							
20	A22MSD 0.91g	24624A2							

AH 9-21-09

[illegible] 9-21-09

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
AU	9-22-09	24563-A-15	300.0-28D / SO_4^-	1 mL	10 mL	X 10	—
AU	9-22-09	24563-A-16	300.0-28D / SO_4^-	1 mL	10 mL	X 10	Due to high concentration of SO_4^-
↓	↓	↓	↓	0.5 mL	10 mL	X 20	a range of dilutions was made to
↓	↓	↓	↓	0.2 mL	10 mL	X 50	ensure sample was within limits.
AU	9-22-09	24499-A-17	LACH-07-06-1-B / NH_3	2 mL	10 mL	X5	—

TestAmerica
53 Southampton Road
Westfield, MA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: NH_3 LACH-0206-1-B

Date of Analytical Run: 9-23-09

Primary Reviewer's Initials: JM

Date of Primary Review: 9-23-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-23-09

Batch Numbers	49363				

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓		
Were any jobs in this batch Level 4?	✓			24582
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			

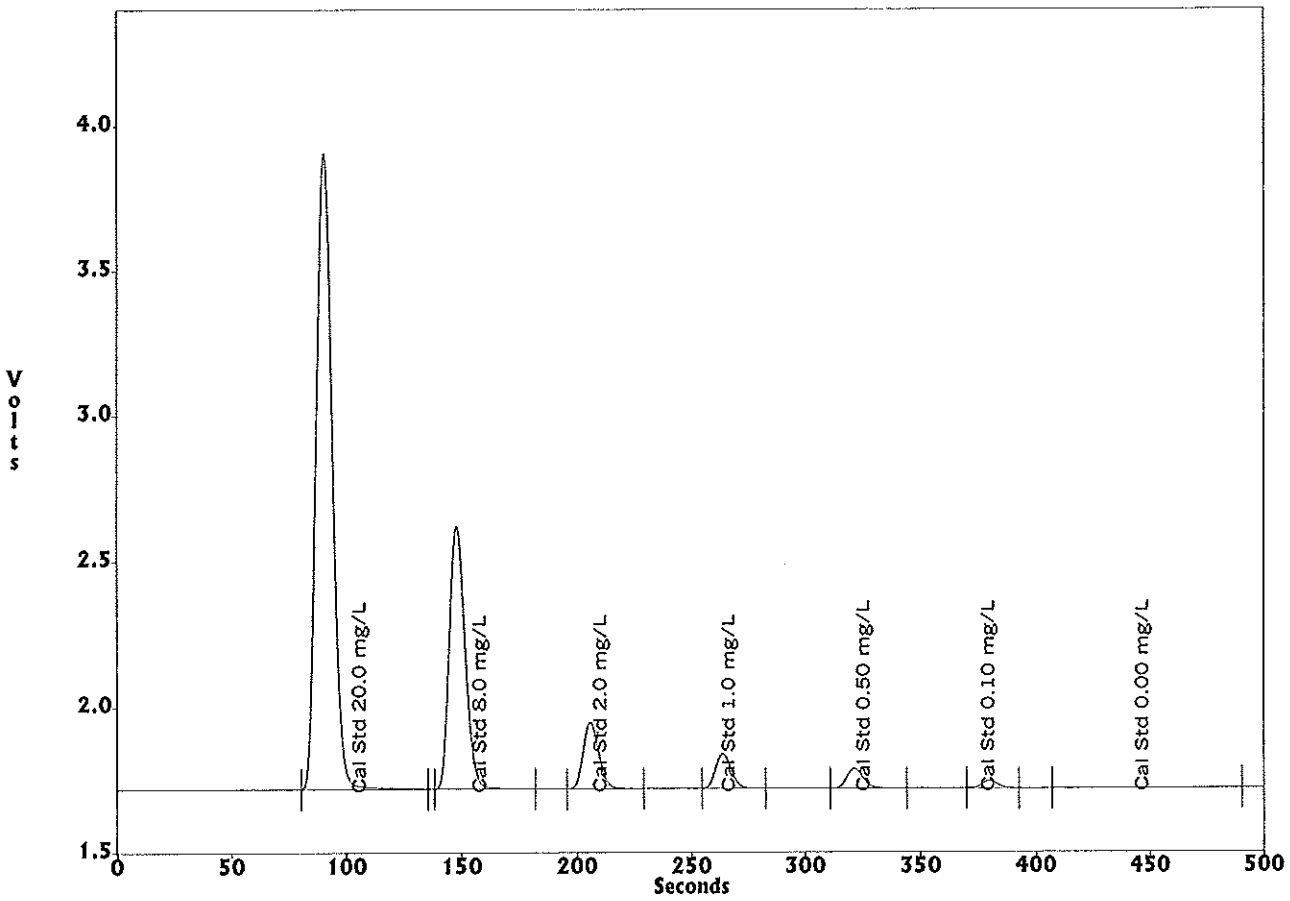
OPERATOR: lalashius
ACQ. TIME: Sep 23, 2009 13:39:35
DATA FILENAME: C:\OMNION\DATA\2009\092309B.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\092309A.TRA

TRAY DESCRIPTION:
Created: Sep 23, 2009 13:28:51
Modified: Sep 23, 2009 13:32:47

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
1	Cal Std 20.0 mg/L	23 Sep 2009	13:39:37	1	17707278.000
2	Cal Std 8.0 mg/L	23 Sep 2009	13:40:34	1	7181946.000
3	Cal Std 2.0 mg/L	23 Sep 2009	13:41:32	1	1829062.000
4	Cal Std 1.0 mg/L	23 Sep 2009	13:42:30	1	955338.000
5	Cal Std 0.50 mg/L	23 Sep 2009	13:43:28	1	561901.000
6	Cal Std 0.10 mg/L	23 Sep 2009	13:44:27	1	220896.000
7	Cal Std 0.00 mg/L	23 Sep 2009	13:45:26	1	0.000

Channel 1 - Ammonia



OPERATOR: lalashius
DATA FILENAME: C:\OMNION\DATA\2009\092309B.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\092309A.TRA

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
1	ICV	23 Sep 2009	13:47:53	1	10.3874
2	ICB	23 Sep 2009	13:48:51	1	-0.1196
3	MB 360-49360/1-A	23 Sep 2009	13:49:49	1	-0.1005
4	LCS 360-49360/2-A	23 Sep 2009	13:50:48	1	9.6557
5	360-24582-A-1-E	23 Sep 2009	13:51:46	1	1.7965
6	360-24582-A-5-D	23 Sep 2009	13:52:44	1	2.7718
7	360-24582-A-6-D	23 Sep 2009	13:53:42	1	1.1487
8	360-24582-A-7-D	23 Sep 2009	13:54:39	1	3.2831
9	360-24582-A-9-E	23 Sep 2009	13:55:36	1	0.7214
10	360-24582-A-10-D	23 Sep 2009	13:56:34	1	0.6209
11	360-24582-A-11-D	23 Sep 2009	13:57:31	1	2.4627
12	360-24582-A-12-D	23 Sep 2009	13:58:28	1	1.3367
13	CCV 2.0 mg/L	23 Sep 2009	13:59:26	1	2.0871
14	CCB	23 Sep 2009	14:00:22	1	-0.1196
15	360-24582-A-13-D	23 Sep 2009	14:01:18	1	1.5075
16	360-24582-A-14-E	23 Sep 2009	14:02:17	1	0.4995
17	360-24582-A-16-D	23 Sep 2009	14:03:15	1	5.0620
18	360-24582-A-17-E	23 Sep 2009	14:04:14	1	1.0116
19	360-24582-A-19-D	23 Sep 2009	14:05:12	1	0.7868
20	360-24582-A-20-D	23 Sep 2009	14:06:11	1	4.8134
21	360-24582-E-21-A	23 Sep 2009	14:07:09	1	0.7097
22	360-24582-E-22-A	23 Sep 2009	14:08:07	1	0.6134
23	360-24582-E-22-B MS	23 Sep 2009	14:09:05	1	10.3247
24	360-24582-E-22-C MSD	23 Sep 2009	14:10:02	1	11.5330
25	ccv 2.0 mg/L	23 Sep 2009	14:10:59	1	2.1647
26	ccb	23 Sep 2009	14:11:57	1	-0.1196

Ammonia Buffer=W09IRGT002; Sodium Phenolate=W09HRGT013; Sodium Nitroprusside=W09GRGT017; LCS=10 mg/L +/-15% (W08CSTK004). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 6178-04; TV=10.0 MG/L =+/- 10%.

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

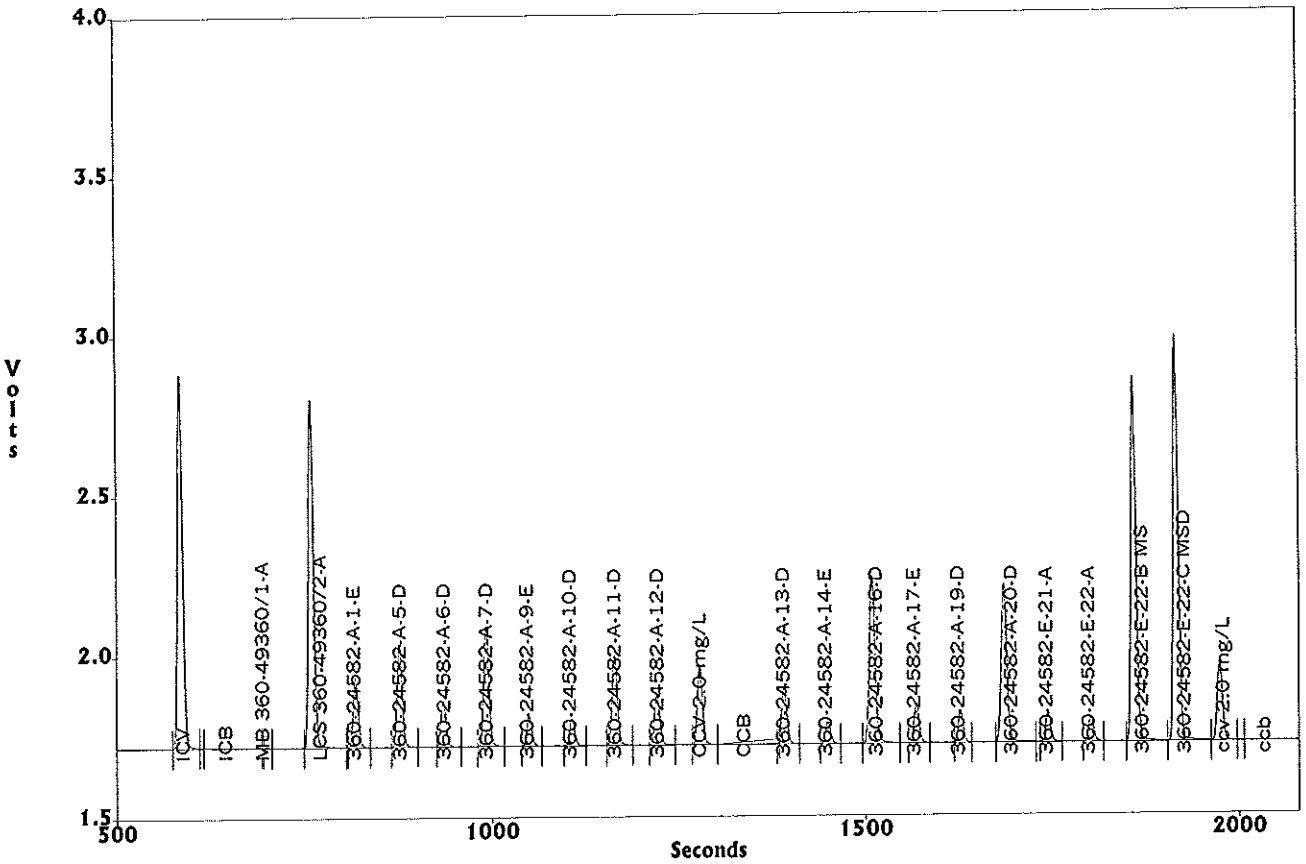
9-23-09

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 51 to 75

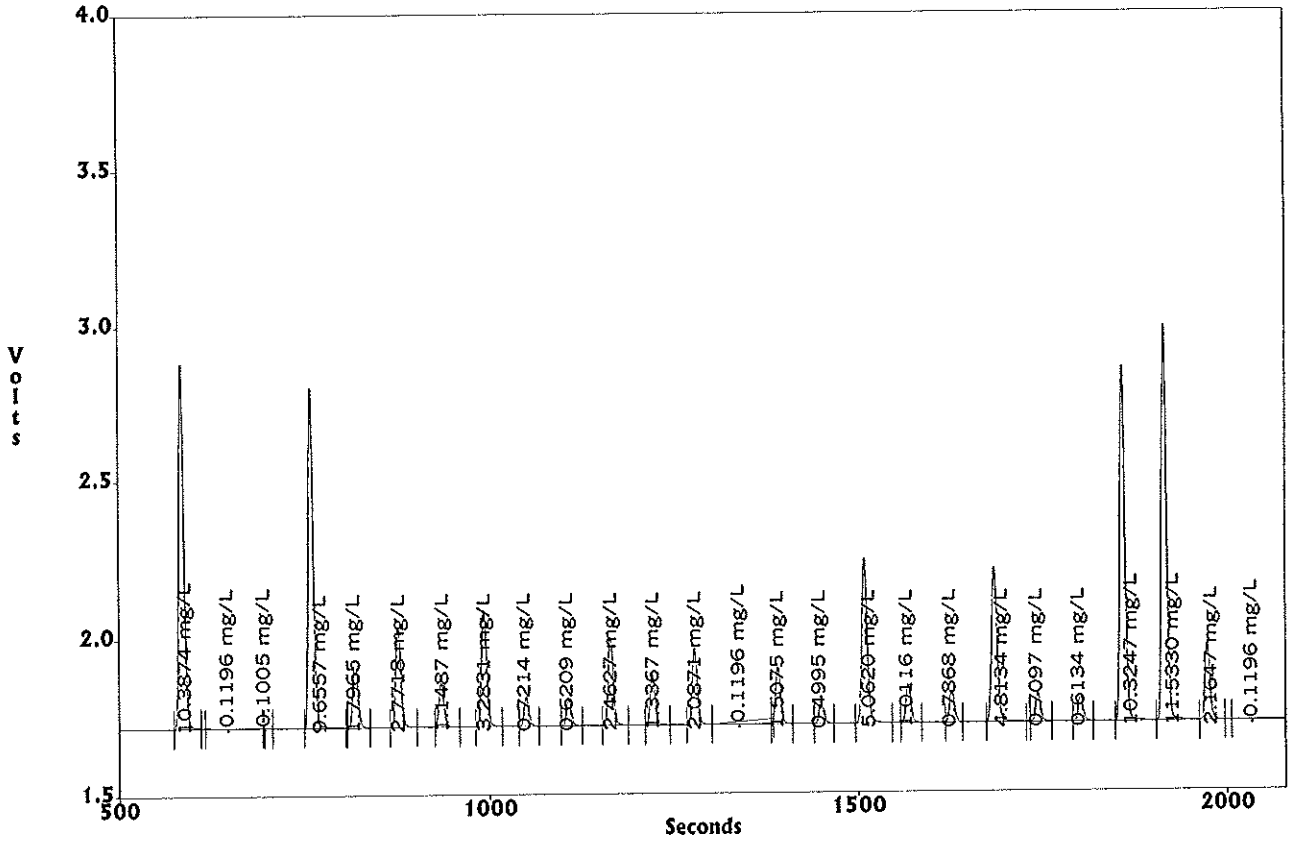
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

9-23-09

Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	lalashius
ACQ. TIME:	Sep 23, 2009 13:39:35
DATA FILENAME:	C:\OMNION\DATA\2009\092309B.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\092309A.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 09/09/2009 Date Expires: 10/09/2009

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	16;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ MilliQ:	100;	200;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0 mL of W08CSTK004 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 101 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

9-23-09

Review Analyte Calibration

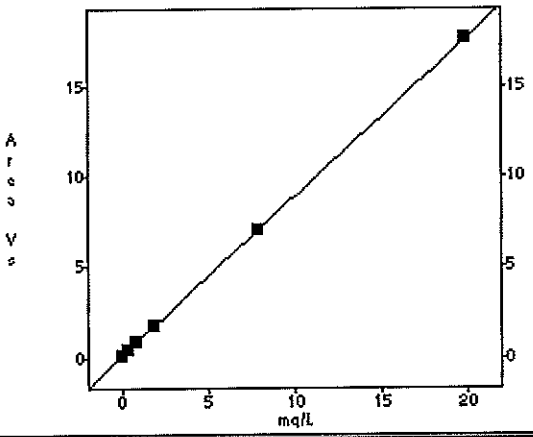
Exit! Update! Fit Scale Graph Print Help

Ammonia

Level	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Re %R
1	17707278	20	17707278					0.0	
2	7181946	8	7181946					0.0	
3	1829062	2	1829062					0.0	
4	955338	1	955338					0.0	
5	561901	0.5	561901					0.0	

Analyte List

Ammonia



Scaling: None
Weighting: None
1st Order Poly
Conc = 1.136e-006 Area - 1.196e-001
r = 1.0000

Ready

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49360

Analyst: Lalashius, Andrew L

Batch Open: 9/23/2009 11:17:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49360/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-49360/1-A
2	LCS~360-49360/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-49360/2-A
3	360-24582-A-1 (LACH_107_06_1_B)	OCRI-15	Solid	0.87 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-1-E
4	360-24582-A-5 (LACH_107_06_1_B)	OCRI-15	Solid	0.77 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-5-D
5	360-24582-A-6 (LACH_107_06_1_B)	OCRI-15	Solid	0.74 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-6-D
6	360-24582-A-7 (LACH_107_06_1_B)	OCRI-15	Solid	0.81 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-7-D
7	360-24582-A-9 (LACH_107_06_1_B)	OCRI-15	Solid	0.79 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-9-E
8	360-24582-A-10 (LACH_107_06_1_B)	OCRI-15	Solid	0.84 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-10-D
9	360-24582-A-11 (LACH_107_06_1_B)	OCRI-15	Solid	0.83 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-11-D
10	360-24582-A-12 (LACH_107_06_1_B)	OCRI-15	Solid	0.97 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-12-D
11	360-24582-A-13 (LACH_107_06_1_B)	OCRI-15	Solid	0.88 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-13-D
12	360-24582-A-14 (LACH_107_06_1_B)	OCRI-15	Solid	0.73 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-14-E
13	360-24582-A-16 (LACH_107_06_1_B)	OCRI-15	Solid	0.76 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-16-D
14	360-24582-A-17 (LACH_107_06_1_B)	OCRI-15	Solid	0.86 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-17-E
15	360-24582-A-19 (LACH_107_06_1_B)	OCRI-15	Solid	0.85 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-19-D

Page 2751 of 2827
10/13/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49360 Analyst: Lalashius, Andrew L Batch Open: 9/23/2009 11:17:00AM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	360-24582-A-20 (LACH_107_06_1_B)	OCRI-15	Solid	0.84 mL	50 mL	9/25/09	9_Days - R	4		360-24582-A-20-D
17	360-24582-E-21 (LACH_107_06_1_B)	OCRI-15	Solid	0.76 mL	50 mL	9/25/09	9_Days - R	4		360-24582-E-21-A
18	360-24582-E-22 (LACH_107_06_1_B)	OCRI-15	Solid	0.82 mL	50 mL	9/25/09	9_Days - R	4		360-24582-E-22-A
19	360-24582-E-22~MS (LACH_107_06_1_B)	OCRI-15	Solid	0.76 mL	50 mL	9/25/09	9_Days - R	4		360-24582-E-22-B MS
20	360-24582-E-22~MSD (LACH_107_06_1_B)	OCRI-15	Solid	0.77 mL	50 mL	9/25/09	9_Days - R	4		360-24582-E-22-C MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49360

Method Code: 360-Distill_Ammonia-360

Analyst: Lalashius, Andrew L

Batch Open: 9/23/2009 11:17:00AM

Batch End:

Batch Notes

Acid used for pH adjustment

Base used for pH adjustment

Batch Comment

Buffer Lot #

Buffer Reagent ID Number

Distillation End Time

Distilliation Unit ID

Distillation Start Time

Distillation Temperature

Sulfuric Acid Lot Number

NaOH Lot #

Sulfuric Acid Reagent ID Number

Temperature

Comments

Login Comments for Job 24582: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - #1, #4

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49360 | Analyst: Lalashius, Andrew L | Batch Open: 9/23/2009 11:17:00AM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-49360/2	W09ISTK003_00001	500 uL	50 mL		
360-24582-E-22 MS	W09ISTK003_00001	500 uL	50 mL		
360-24582-E-22 MSD	W09ISTK003_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Easy-DIST Distillation Log

Analyst Initials: AH Date: 9-23-09

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = NH_3 Temperature = 210 Start Time = 1117 Stop Time = 1219	Run #2 Method = Temperature = Start Time = Stop Time =	Run #3 Method = Temperature = Start Time = Stop Time =	PAC Use Only: Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB								
2	LCS								
3	24582A1 0.87g								
4	A5 0.77g								
5	A6 0.74g								
6	A7 0.81g								
7	A9 0.79g								
8	A10 0.84g								
9	A11 0.83g								
10	A12 0.97g								
11	A13 0.88g								
12	A14 0.73g								
13	A16 0.76g								
14	A17 0.86g								
15	A19 0.85g								
16	A20 0.84g								
17	E21 0.76g								
18	E22 0.87g								
19	E22 MS 0.76g								
20	E22 MSD 0.77g								

AH 9-23-09

Buffer	Batch	Job	Sample	Matrix	DIL	pH2	pH2	Temp °C	Time (pm)
7.00			MB			6.04	6.03	22.1	6:43
4.01			LCS			8.57	8.58	22.3	6:44
10.01		24582	25	Solid		6.38		22.1	6:45
		↓	25dup	↓		6.32		22.2	6:46
			24			6.24		22.2	6:47
			CCV			7.02	7.01	22.3	6:48

Reagents are in TALS

Continued on Page

Read and Understood By

Signed 9/18/09 Date Signed Date

PROJECT pH / corrosivity

Continued From Page

Buffer	Batch	JOB	Sample	Matrix	Dil	pH2	pH2	Temp °C	Time (pm)
7.00			MB			6.23	6.22	22.1	4:15
4.01			LCS			8.54	8.54	22.4	4:16
10.00	17848	24582	3	Solid		7.77		22.1	4:17
12.01		↓	3 dup			7.78		22.4	4:18
		5833	1			10.52		22.6	4:19
			2			8.48		22.2	4:20
			3			8.15		22.8	4:21
			4			8.21		22.1	4:22
	*	5836	1			~~9.56~~ 5.10		22.0	11:28 ~~4:23~~
			~~9/22 CCV~~						
		5842	1B	Waste		1.92	1.91	22.4	4:25
			CCV			6.95	6.96	23.0	4:26

* pH taken from TCLP, Analysis 9/22/09
Reagents are in TALS

Continued on Page

Read and Understood By

Signed 9/21/09 Date Signed Date

PROJECT Redox / pH

Batch	JOB	Sample	Matrix	Dil	Reading #1	Reading #2	Result	Temp °C	Time (pm)
		Light Solution			469	470	674	22.8	6:03
17161	5699	5	Solid		30	30	234	23.5	6:04
		5dup			29	31	235	23.8	6:07
		1			75	67	271	23.5	6:08
		2			54	52	256	23.8	6:09
		3			46	45	249	23.9	6:10
		4			48	47	251	23.9	6:11
	24582	3			122	166	370	22.5	6:13
		rcv (Light Sol'N)			478	471	675	23.4	6:15

Reagents expir TALS

Continued on Page

Read and Understood By

Signed 9/16/09 Date Signed Date

PROJECT Redox / EH

Continued From Page

Batch	JOB	Sample	Matrix	DL	Reading #1	Reading #2	Result	Temp °C	Time (pm)
		Light Solution			482	483	687	22.7	4:50
17536	58288	2A	H_2O		-96	-99	105	22.4	4:53
		2dup			-94	-96	108	22.1	4:55
		1A			1	-3	201	22.3	4:59
		ccv (Light solution)			474	475	679	23.2	5:00
17544	5771	1	Solid		49	53	257	23.6	5:02
		1dup			58	57	261	23.2	5:04
		2			67	65	269	23.8	5:07
		3			-221	-230	-26	23.5	5:09
		4			-63	-57	147	23.2	5:10
		5			133	130	334	23.5	5:13
	5773	1			-229	-234	-30	23.3	5:14
		2			115	117	321	23.8	5:15
		3			-15	-13	191	23.6	5:19
		ccv (Light Sol'N)			474	477	681	23.7	5:21
	24582	24			325	317	521	23.1	5:23
		25			78	86	290	23.4	5:25
	5833	1			99	92	296	23.8	5:27
		2			159	157	361	23.9	5:28
		3			277	273	477	23.0	5:30
		4			128	130	334	23.1	5:32
	5806	1			197	190	394	23.1	5:35
	24665	20	Solid		361	361	565	23.9	5:37
		ccv (Light Sol'N)			477	477	681	23.5	5:38

Reagents are in TALS

Continued on Page

Read and Understood By

Signed 9/24/09 Date Signed Date

General Chemistry Worksheet

Batch Number: 360-48991
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 15 2009 4:23PM
Batch End: Sep 16 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24590-A-1	WC Fill with HTLM		T	1.02 g	4.94 g	3.78 g
360-24590-A-1~DU			T	1.03 g	6.55 g	4.88 g
360-24576-A-1	C_091409_BENEATH_STOCKPILE_A		T	0.99 g	8.07 g	7.44 g
360-24588-A-1	HA-1 (0-6")/64703-1		T	1.01 g	7.02 g	6.46 g
360-24588-A-2	HA-2 (0-6")/64703-2		T	1.01 g	5.68 g	4.87 g
360-24588-A-3	HA-2 (6-12")/64703-3		T	0.99 g	8.16 g	7.62 g
360-24588-A-4	HA-3 (0-6")/64703-4		T	0.98 g	6.95 g	6.24 g
360-24588-A-5	HA-3 (6-12")/64703-5		T	0.98 g	8.81 g	8.37 g
360-24588-A-6	HA-4 (0-6")/64703-6		T	0.98 g	8.61 g	7.75 g
360-24588-A-7	HA-6 (0-6")/64703-7		T	0.97 g	9.15 g	8.10 g
360-24588-A-8	HA-10 (0-6")/64703-8		T	0.98 g	6.57 g	5.74 g
360-24588-A-9	HA-12 (0-6")/64703-9		T	0.98 g	7.11 g	6.27 g
360-24588-A-10	HA-15 (0-6")/64703-10		T	1.00 g	7.10 g	6.46 g
360-24588-A-11	HA-15 (6-12")/64703-11		T	1.00 g	6.62 g	6.19 g
360-24588-A-12	Stockpile/64703-12		T	0.99 g	7.26 g	6.54 g
360-24600-A-1	Filter-25 Warren Ave.		T	1.00 g	10.00 g	10.00 g
360-24593-A-1	I187-01 ST03-B52A-8.5-10		T	0.99 g	5.05 g	3.83 g
360-24582-A-1	OC-SB-457-28/30-XXX	Moisture	T	1.02 g	7.92 g	6.40 g
360-24563-A-1	OC-SB-427-0.0/1.0-XXX		T	1.00 g	9.98 g	9.34 g
360-24563-A-2	OC-SB-427-12/14-XXX		T	0.99 g	9.98 g	9.06 g
360-24563-A-3	OC-SB-427-17/19-XXX		T	0.98 g	9.70 g	8.92 g
360-24563-A-4	OC-SB-427-8.0/10-DUP		T	1.00 g	7.99 g	7.69 g
360-24563-A-5	OC-SB-427-8.0/10-XXX		T	0.99 g	6.84 g	6.60 g
360-24563-A-5~MS	OC-SB-427-8.0/10-XMS		T	0.99 g	6.84 g	6.60 g
360-24563-A-5~MSD	OC-SB-427-8.0/10-MSD		T	0.99 g	6.84 g	6.60 g

General Chemistry Worksheet

Batch Number: 360-48991
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 15 2009 4:23PM
Batch End: Sep 16 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24563-A-6	OC-SB-428-0.0/1.0-XXX		T	0.96 g	7.83 g	7.46 g
360-24563-A-6~DU			T	0.98 g	6.31 g	6.03 g
360-24563-A-7	OC-SB-428-23/25-XXX		T	1.01 g	7.12 g	6.39 g
360-24563-A-8	OC-SB-428-8.0/10-DUP		T	0.99 g	5.76 g	5.47 g
360-24563-A-9	OC-SB-428-8.0/10-XXX		T	0.98 g	6.41 g	6.08 g
360-24563-A-9~MS	OC-SB-428-8.0/10-XMS		T	0.98 g	6.41 g	6.08 g
360-24563-A-9~MSD	OC-SB-428-8.0/10-MSD		T	0.98 g	6.41 g	6.08 g
360-24563-A-11	OC-SB-456-0.0/1.0-XXX		T	0.98 g	7.43 g	7.27 g
360-24563-A-12	OC-SB-456-16/18-XXX		T	1.01 g	7.41 g	6.79 g
360-24563-A-13	OC-SB-456-7.0/9.0-DUP		T	0.96 g	5.72 g	5.37 g
360-24563-A-14	OC-SB-456-7.0/9.0-XXX		T	0.99 g	7.79 g	7.30 g
360-24563-A-14~MS	OC-SB-456-7.0/9.0-XMS		T	0.99 g	7.79 g	7.30 g
360-24563-A-14~MSD	OC-SB-456-7.0/9.0-MSD		T	0.99 g	7.79 g	7.30 g
360-24563-A-15	OC-SB-457-0.0/1.0-XXX		T	0.98 g	9.80 g	9.38 g
360-24563-A-16	OC-SB-457-8.0/10-XXX		T	0.98 g	8.01 g	7.36 g

General Chemistry Worksheet

Batch Number: 360-49023
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 16 2009 1:39PM
Batch End: Sep 17 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24611-A-1	CTI Agricycle Week Ending 9/11/09		T	45.31 g	52.72 g	49.57 g
360-24611-A-1~DU			T	46.12 g	53.72 g	50.06 g
360-24614-A-1	I202-01 ST03-B52-B50-51.5		T	1.03 g	5.69 g	4.22 g
360-24614-A-2	I202-02 ST03-B52-B50-51.5D		T	1.00 g	5.35 g	4.10 g
360-24612-A-1	Sed-1/64715-1		T	0.98 g	7.04 g	6.19 g
360-24612-A-2	Sed-2/64715-2		T	0.98 g	5.35 g	4.73 g
360-24612-A-3	Sed-3/64715-3		T	0.99 g	5.68 g	4.32 g
360-24612-A-4	Sed-4/64715-4		T	0.98 g	5.20 g	3.25 g
360-24613-A-1	Disposal Sample/64716-1		T	0.98 g	5.34 g	4.30 g
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	Moisture	T	0.95 g	6.18 g	4.91 g
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	Moisture	T	0.99 g	5.28 g	4.99 g
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	Moisture	T	0.99 g	5.94 g	4.70 g
360-24582-A-8	OC-SS-403-0.0/1.0-XXX	Moisture	T	1.00 g	7.60 g	7.18 g
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	Moisture	T	1.01 g	8.35 g	7.75 g
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	Moisture	T	0.99 g	5.51 g	5.21 g
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	Moisture	T	0.97 g	5.97 g	4.71 g
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	Moisture	T	0.98 g	9.50 g	8.57 g
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	Moisture	T	0.98 g	7.10 g	6.13 g
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	Moisture	T	0.99 g	5.90 g	5.72 g
360-24582-A-15	OC-SS-410-0.0/1.0-XXX	Moisture	T	0.98 g	6.68 g	6.39 g
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	Moisture	T	0.96 g	5.34 g	2.76 g
360-24582-A-16~DU		Moisture	T	0.97 g	6.15 g	3.08 g
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	Moisture	T	0.97 g	6.47 g	6.02 g
360-24582-A-18	OC-SS-413-0.0/1.0-XXX	Moisture	T	0.96 g	7.09 g	6.58 g
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	Moisture	T	0.96 g	6.62 g	6.23 g

General Chemistry Worksheet

Batch Number: 360-49023
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 16 2009 1:39PM
Batch End: Sep 17 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	Moisture	T	0.96 g	5.30 g	2.81 g
360-24582-A-21	OC-SS-416-0.0/1.0-DUP	Moisture	T	0.97 g	6.86 g	6.36 g
360-24582-A-22	OC-SS-416-0.0/1.0-XXX	Moisture	T	0.96 g	7.56 g	6.98 g
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XMS	Moisture	T	0.96 g	7.56 g	6.98 g
360-24582-A-22~MSD	OC-SS-416-0.0/1.0-MSD	Moisture	T	0.96 g	7.56 g	6.98 g
360-24567-C-1	I141-01 ST03-B52-8.5-10.0		T	0.97 g	4.99 g	3.98 g
360-24606-A-1	R01090507BE-0428 FX-050		T	0.95 g	7.43 g	6.76 g
360-24606-A-2	R01090507BE-0429 FX-051		T	0.96 g	6.60 g	6.08 g
360-24606-A-3	R01090507BE-0430 FX-052		T	0.97 g	6.31 g	5.97 g
360-24606-A-4	R01090507BE-0431 FX-053		T	0.98 g	6.26 g	5.71 g
360-24606-A-5	R01090507BE-0432 FX-054		T	0.98 g	6.56 g	6.03 g
360-24606-A-6	R01090507BE-0433 FX-055		T	1.01 g	6.50 g	5.85 g
360-24606-A-7	R01090507BE-0434 FX-056		T	0.99 g	8.40 g	7.91 g
360-24607-A-1	R01090507BE-0428 FX-050		T	0.99 g	6.25 g	5.74 g
360-24607-A-2	R01090507BE-0435 FX-040		T	1.02 g	6.77 g	6.23 g
360-24607-A-3	R01090507BE-0436 FX-044		T	1.02 g	9.58 g	9.13 g
360-24607-A-3~DU			T	0.96 g	6.32 g	6.04 g

General Chemistry Worksheet

Batch Number: 360-49242
Method: Distill/Ammonia
Analyst: Lalashius, Andrew L

Date Open: Sep 21 2009 2:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001
MB~360-49242/1		Distill/Ammonia, L107-06-1B		50 mL	
LCS~360-49242/2		Distill/Ammonia, L107-06-1B		50 mL	500 uL
360-24497-D-1	Monthly Lab Water		T	50 mL	
360-24497-D-1~MS			T	50 mL	500 uL
360-24497-D-1~MSD			T	50 mL	500 uL
360-24582-H-4	OC-EBK-010	Distill/Ammonia, L107-06-1B	T	50 mL	
360-24563-H-23	OC-EBK-009		T	50 mL	
360-24594-E-1	Plant Eff		T	50 mL	
360-24594-D-3	Conn River		T	50 mL	
360-24510-A-1	Kitchen		T	50 mL	
360-24623-C-1	First Aid		T	50 mL	
360-24623-C-2	Highland Bottle		T	50 mL	
360-24623-C-3	Water Fresh		T	50 mL	
360-24618-B-2	Receiving Stream		T	50 mL	
360-24495-A-1	Eff # 1		T	50 mL	
360-24495-A-6	INF # 1		T	50 mL	
360-24495-A-8	Pri # 1		T	50 mL	
360-24620-A-1	EFF		T	50 mL	
360-24547-A-2	Chlorinated Effluent		T	50 mL	
360-24624-A-2	Chlorinated Effluent		T	50 mL	

General Chemistry Worksheet

Batch Number: 360-49292
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 22 2009 8:51AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001	W08GSTK002_00001
ICV~360-49292/1		L107-06-1B		10 mL		82 uL
ICB~360-49292/2		L107-06-1B				
MB~360-49242/1-A		L107-06-1B				
LCS~360-49242/2-A		L107-06-1B				
360-24497-D-1-B	Monthly Lab Water		T			
360-24497-D-1-C~MS			T			
360-24497-D-1-D~MSD			T			
360-24582-H-4-A	OC-EBK-010	L107-06-1B	T			
360-24563-H-23-A	OC-EBK-009		T			
360-24594-E-1-A	Plant Eff		T			
360-24594-D-3-A	Conn River		T			
360-24510-A-1-A	Kitchen		T			
CCV~360-49292/13		L107-06-1B		10 mL	80 uL	
CCB~360-49292/14		L107-06-1B				
360-24623-C-1-A	First Aid		T			
360-24623-C-2-A	Highland Bottle		T			
360-24623-C-3-A	Water Fresh		T			
360-24618-B-2-A	Receiving Stream		T			
360-24495-A-1-D	Eff # 1		T			
360-24495-A-6-B	INF # 1		T			
360-24620-A-1-B	EFF		T			
CCV~360-49292/22				10 mL	80 uL	
CCB~360-49292/23						
360-24495-A-8-B	Pri # 1		T			
360-24547-A-2-B	Chlorinated Effluent		T			

General Chemistry Worksheet

Batch Number: 360-49292
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 22 2009 8:51AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001	W08GSTK002_00001
360-24624-A-2-B	Chlorinated Effluent		T			
CCV~360-49292/27				10 mL	80 uL	
CCB~360-49292/28						

General Chemistry Worksheet

Batch Number: 360-49301
Method: 300.0
Analyst: Lalashius, Andrew L

Date Open: Sep 21 2009 9:16AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W09HLCS001_00001	W9DICV001_00001
ICV~360-49301/1		300.0		10 mL		1 mL
ICB~360-49301/2		300.0				
MB~360-49301/3		300.0				
LCS~360-49301/4		300.0			10 mL	
360-24582-G-4	OC-EBK-010	300.0	T			
360-24563-G-23	OC-EBK-009		T			
CCV~360-49301/7		300.0			10 mL	
CCB~360-49301/8		300.0				

General Chemistry Worksheet

Batch Number: 360-49360
Method: Distill/Ammonia
Analyst: Lalashius, Andrew L

Date Open: Sep 23 2009 11:17AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	W09ISTK003_00001
MB~360-49360/1		Distill/Ammonia, L107-06-1B			50 mL	
LCS~360-49360/2		Distill/Ammonia, L107-06-1B			50 mL	500 uL
360-24582-A-1	OC-SB-457-28/30-XXX	Distill/Ammonia, L107-06-1B	T	0.87 mL	50 mL	
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.77 mL	50 mL	
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.74 mL	50 mL	
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.81 mL	50 mL	
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.79 mL	50 mL	
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.84 mL	50 mL	
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	Distill/Ammonia, L107-06-1B	T	0.83 mL	50 mL	
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.97 mL	50 mL	
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.88 mL	50 mL	
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.73 mL	50 mL	
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.76 mL	50 mL	
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.86 mL	50 mL	
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.85 mL	50 mL	
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.84 mL	50 mL	
360-24582-E-21	OC-SS-416-0.0/1.0-DUP	Distill/Ammonia, L107-06-1B	T	0.76 mL	50 mL	
360-24582-E-22	OC-SS-416-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.82 mL	50 mL	
360-24582-E-22~MS	OC-SS-416-0.0/1.0-XMS	Distill/Ammonia, L107-06-1B	T	0.76 mL	50 mL	500 uL
360-24582-E-22~MSD	OC-SS-416-0.0/1.0-MSD	Distill/Ammonia, L107-06-1B	T	0.77 mL	50 mL	500 uL

General Chemistry Worksheet

Batch Number: 360-49363
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 23 2009 1:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08GSTK002_00001	W09ISTK003_00001
ICV~360-49363/1		L107-06-1B		10 mL	82 uL	
ICB~360-49363/2		L107-06-1B				
MB~360-49360/1-A		L107-06-1B				
LCS~360-49360/2-A		L107-06-1B				
360-24582-A-1-E	OC-SB-457-28/30-XXX	L107-06-1B	T			
360-24582-A-5-D	OC-SS-400-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-6-D	OC-SS-401-0.1/1.0-XXX	L107-06-1B	T			
360-24582-A-7-D	OC-SS-402-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-9-E	OC-SS-404-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-10-D	OC-SS-405-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-11-D	OC-SS-406-0.0/1.0.-XXX	L107-06-1B	T			
360-24582-A-12-D	OC-SS-407-0.0/1.0-XXX	L107-06-1B	T			
CCV~360-49363/13		L107-06-1B		10 mL		20 uL
CCB~360-49363/14		L107-06-1B				
360-24582-A-13-D	OC-SS-408-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-14-E	OC-SS-409-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-16-D	OC-SS-411-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-17-E	OC-SS-412-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-19-D	OC-SS-414-0.0/1.0-XXX	L107-06-1B	T			
360-24582-A-20-D	OC-SS-415-0.0/1.0-XXX	L107-06-1B	T			
360-24582-E-21-A	OC-SS-416-0.0/1.0-DUP	L107-06-1B	T			
360-24582-E-22-A	OC-SS-416-0.0/1.0-XXX	L107-06-1B	T			
360-24582-E-22-B~MS	OC-SS-416-0.0/1.0-XMS	L107-06-1B	T			
360-24582-E-22-C~MSD	OC-SS-416-0.0/1.0-MSD	L107-06-1B	T			
CCV~360-49363/25		L107-06-1B		10 mL		20 uL

General Chemistry Worksheet

Batch Number: 360-49363
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 23 2009 1:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08GSTK002_00001	W09ISTK003_00001
CCB~360-49363/26		L107-06-1B				

Metals Worksheet

Batch Number: 360-49375
Method: DI Leach
Analyst: Lalashius, Andrew L

Date Open: Sep 23 2009 3:30PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
MB~360-49375/1		DI Leach, 300.0			
LCS~360-49375/2		DI Leach, 300.0			
360-24582-A-1	OC-SB-457-28/30-XXX	DI Leach, 300.0	S	10.09 g	100 mL
360-24582-A-5	OC-SS-400-0.0/1.0-XXX	DI Leach, 300.0	S	10.08 g	100 mL
360-24582-A-6	OC-SS-401-0.1/1.0-XXX	DI Leach, 300.0	S	10.14 g	100 mL
360-24582-A-7	OC-SS-402-0.0/1.0-XXX	DI Leach, 300.0	S	9.96 g	100 mL
360-24582-A-9	OC-SS-404-0.0/1.0-XXX	DI Leach, 300.0	S	10.14 g	100 mL
360-24582-A-10	OC-SS-405-0.0/1.0-XXX	DI Leach, 300.0	S	10.08 g	100 mL
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX	DI Leach, 300.0	S	10.01 g	100 mL
360-24582-A-12	OC-SS-407-0.0/1.0-XXX	DI Leach, 300.0	S	10.04 g	100 mL
360-24582-A-13	OC-SS-408-0.0/1.0-XXX	DI Leach, 300.0	S	10.05 g	100 mL
360-24582-A-14	OC-SS-409-0.0/1.0-XXX	DI Leach, 300.0	S	10.16 g	100 mL
360-24582-A-16	OC-SS-411-0.0/1.0-XXX	DI Leach, 300.0	S	10.04 g	100 mL
360-24582-A-17	OC-SS-412-0.0/1.0-XXX	DI Leach, 300.0	S	10.04 g	100 mL
360-24582-A-19	OC-SS-414-0.0/1.0-XXX	DI Leach, 300.0	S	10.00 g	100 mL
360-24582-A-20	OC-SS-415-0.0/1.0-XXX	DI Leach, 300.0	S	9.96 g	100 mL
360-24582-E-21	OC-SS-416-0.0/1.0-DUP	DI Leach, 300.0	S	10.07 g	100 mL
360-24582-E-22	OC-SS-416-0.0/1.0-XXX	DI Leach, 300.0	S	10.11 g	100 mL
360-24582-E-22~MS	OC-SS-416-0.0/1.0-XMS	DI Leach, 300.0	S	10.11 g	100 mL
360-24582-E-22~MSD	OC-SS-416-0.0/1.0-MSD	DI Leach, 300.0	S	10.11 g	100 mL

General Chemistry Worksheet

Batch Number: 360-49554
Method: 300.0
Analyst: Lalashius, Andrew L

Date Open: Sep 25 2009 10:47AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W09HLCS001_00001	W9DICV001_00001
ICV~360-49554/1		300.0		10 mL		1 mL
ICB~360-49554/2		300.0				
MB~360-49375/1-A		300.0				
LCS~360-49375/2-A		300.0			10 mL	
360-24582-A-1-F	OC-SB-457-28/30-XXX	300.0	S			
360-24582-A-5-E	OC-SS-400-0.0/1.0-XXX	300.0	S			
360-24582-A-6-E	OC-SS-401-0.1/1.0-XXX	300.0	S			
360-24582-A-7-E	OC-SS-402-0.0/1.0-XXX	300.0	S			
360-24582-A-9-F	OC-SS-404-0.0/1.0-XXX	300.0	S			
360-24582-A-10-E	OC-SS-405-0.0/1.0-XXX	300.0	S			
CCV~360-49554/11		300.0			10 mL	
CCB~360-49554/12		300.0				

General Chemistry Worksheet

Batch Number: 360-49555
Method: 300.0
Analyst: Lalashius, Andrew L

Date Open: Sep 25 2009 10:47AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W09DSTK001_00001	W09HLCS001_00001	W9DICV001_00003
ICV~360-49555/1		300.0		10 mL			1 mL
ICB~360-49555/2		300.0					
MB~360-49375/1-A		300.0					
LCS~360-49375/2-A		300.0				10 mL	
360-24582-A-11-E	OC-SS-406-0.0/1.0.-XXX	300.0	S				
360-24582-A-12-E	OC-SS-407-0.0/1.0-XXX	300.0	S				
360-24582-A-13-E	OC-SS-408-0.0/1.0-XXX	300.0	S				
360-24582-A-14-F	OC-SS-409-0.0/1.0-XXX	300.0	S				
360-24582-A-16-E	OC-SS-411-0.0/1.0-XXX	300.0	S				
360-24582-A-17-F	OC-SS-412-0.0/1.0-XXX	300.0	S				
360-24582-A-19-E	OC-SS-414-0.0/1.0-XXX	300.0	S				
360-24582-A-20-E	OC-SS-415-0.0/1.0-XXX	300.0	S				
360-24582-E-21-B	OC-SS-416-0.0/1.0-DUP	300.0	S				
CCV~360-49555/14		300.0				10 mL	
CCB~360-49555/15		300.0					
360-24582-E-22-D	OC-SS-416-0.0/1.0-XXX	300.0	S				
360-24582-E-22-E~MS	OC-SS-416-0.0/1.0-XMS	300.0	S	10 mL	100 uL		
360-24582-E-22-F~MSD	OC-SS-416-0.0/1.0-MSD	300.0	S	10 mL	100 uL		
CCV~360-49555/19		300.0				10 mL	
CCB~360-49555/20		300.0					

General Chemistry Worksheet

Batch Number: 460-17161
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Sep 16 2009 8:12PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WTredoxLCS_00001
LCS~460-17161/1				100 mL
460-5699-A-5-A	ENV-13-S1 (0-2)		S	
460-5699-A-5-B~DU	ENV-13-S1 (0-2)		S	
460-5699-A-1-A	ENV-28-S1 (4-6)		S	
460-5699-A-2-A	09-15-09-S1		S	
460-5699-A-3-A	ENV-14-S1 (0-2)		S	
460-5699-A-4-A	09-15-09-S2		S	
360-24582-A-3-A	OC-SB-457-28/30-XXX	SM 2580B	S	
CCV~460-17161/9		SM 2580B		100 mL

Fe2/Fe3 Standard Lot #: light solution: 475 mV +/-10mV
Quinhydrone Reference Solution Lot #: orion 900011

General Chemistry Worksheet

Batch Number: 460-17161
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Sep 16 2009 8:12PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Analysis comment	Comments
LCS~460-17161/1					
460-5699-A-5-A	ENV-13-S1 (0-2)		S		
460-5699-A-5-B~DU	ENV-13-S1 (0-2)		S		
460-5699-A-1-A	ENV-28-S1 (4-6)		S		
460-5699-A-2-A	09-15-09-S1		S		
460-5699-A-3-A	ENV-14-S1 (0-2)		S		
460-5699-A-4-A	09-15-09-S2		S		
360-24582-A-3-A	OC-SB-457-28/30-XXX	SM 2580B	S		
CCV~460-17161/9		SM 2580B			

Batch Comment: result adjusted by +204mV

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5764-A-1	70-30-1 (1.5-2)		T	289 No Unit	1.00 g	5.60 g	5.16 g
460-5764-A-2	70-30-2 (1.5-2)		T	299 No Unit	1.01 g	5.69 g	5.18 g
460-5764-A-3	70-30-3 (1.5-2)		T	29 No Unit	1.07 g	5.10 g	4.52 g
460-5764-A-4	70-30-4 (1.5-2)		T	62 No Unit	1.01 g	5.08 g	4.35 g
460-5764-A-5	70-33-8 (1-1.5)		T	265 No Unit	1.03 g	5.62 g	5.08 g
460-5764-A-6	70-33-9 (1-1.5)		T	229 No Unit	1.02 g	5.73 g	5.19 g
460-5764-A-7	70-33-7 (1-1.5)		T	238 No Unit	1.00 g	5.57 g	5.02 g
460-5764-A-8	70-33-6 (1-1.5)		T	183 No Unit	1.03 g	5.84 g	5.30 g
460-5764-A-9	70-33-5 (1-1.5)		T	17 No Unit	1.00 g	5.12 g	4.55 g
460-5764-A-10	70-33-4 (1-1.5)		T	81 No Unit	1.03 g	5.18 g	4.57 g
460-5764-A-11	70-33-3 (1-1.5)		T	121 No Unit	1.04 g	5.97 g	5.08 g
460-5764-A-12	70-33-2 (1-1.5)		T	51 No Unit	1.04 g	5.74 g	5.27 g
460-5764-A-13	70-33-10 (4.5-5)		T	149 No Unit	1.01 g	5.55 g	5.16 g
460-5764-A-14	70-33-1 (1-1.5)		T	105 No Unit	1.03 g	5.90 g	5.27 g
460-5764-A-15	Rep091609		T	429 No Unit	0.97 g	5.77 g	5.12 g
460-5742-B-1	SS6		T	276 No Unit	1.02 g	4.08 g	3.56 g
460-5742-B-2	SD6		T	408 No Unit	1.03 g	5.19 g	4.74 g
460-5742-B-3	SS7		T	78 No Unit	1.01 g	5.40 g	4.66 g
460-5742-B-4	SD7		T	157 No Unit	1.08 g	5.48 g	4.85 g
460-5742-B-5	SS1		T	411 No Unit	1.03 g	5.18 g	4.45 g
460-5742-B-5~DU			T	64 No Unit	1.03 g	5.18 g	4.53 g
460-5742-B-6	SD1		T	263 No Unit	1.05 g	5.95 g	5.36 g
460-5742-B-7	SS15		T	412 No Unit	1.05 g	5.13 g	4.38 g
460-5742-B-8	SD15		T	298 No Unit	1.02 g	5.81 g	5.25 g
460-5742-B-9	SS16		T	5 No Unit	1.03 g	6.01 g	5.38 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5742-B-10	SD16		T	173 No Unit	1.05 g	5.80 g	5.23 g
460-5742-B-11	SS2		T	257 No Unit	1.09 g	5.21 g	4.60 g
460-5742-B-12	SD2		T	206 No Unit	1.05 g	5.40 g	4.71 g
460-5742-B-13	SS17		T	235 No Unit	1.02 g	5.83 g	5.08 g
460-5742-B-14	SD17		T	132 No Unit	1.00 g	5.27 g	4.68 g
460-5742-B-15	SS8		T	122 No Unit	1.04 g	5.03 g	4.32 g
460-5742-B-16	SD8		T	36 No Unit	1.01 g	5.64 g	4.67 g
460-5742-B-17	SS3		T	420 No Unit	0.97 g	5.96 g	5.08 g
460-5742-B-18	SD3		T	297 No Unit	1.03 g	5.13 g	4.51 g
460-5742-B-19	SS4		T	221 No Unit	1.02 g	5.38 g	4.94 g
460-5742-B-20	SD4		T	100 No Unit	1.04 g	5.69 g	4.65 g
460-5742-B-21	SS18		T	110 No Unit	1.11 g	5.85 g	5.12 g
460-5742-B-22	SD18		T	31 No Unit	1.05 g	5.86 g	5.13 g
460-5742-B-23	SS26		T	93 No Unit	1.04 g	5.35 g	4.58 g
460-5742-B-24	SD26		T	403 No Unit	0.99 g	5.61 g	4.94 g
460-5742-B-24~DU			T	52 No Unit	1.02 g	5.67 g	4.90 g
460-5742-B-25	Field Blank		T	199 No Unit	1.02 g	5.62 g	4.42 g
460-5732-A-1	10S107(0-0.5)		T	219 No Unit	1.10 g	5.11 g	3.71 g
460-5732-A-2	10S107(0.5-1)		T	167 No Unit	1.02 g	6.00 g	5.00 g
460-5732-A-3	10S108(0-0.5)		T	136 No Unit	1.04 g	5.18 g	4.06 g
460-5732-A-4	10S108(0.5-1)		T	77 No Unit	1.04 g	5.69 g	3.95 g
460-5732-A-5	10S109(0-0.5)		T	427 No Unit	0.96 g	5.24 g	3.33 g
460-5732-A-6	10S109(0.5-1)		T	40 No Unit	1.02 g	5.69 g	4.40 g
460-5732-A-7	10S110(0-0.5)		T	414 No Unit	0.97 g	5.36 g	3.95 g
460-5732-A-8	10S110(0.5-1)		T	103 No Unit	1.05 g	5.74 g	4.41 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5732-A-9	10S111(0-0.5)		T	72 No Unit	1.03 g	5.57 g	4.18 g
460-5732-A-10	10S111(0.5-1)		T	104 No Unit	1.06 g	5.09 g	4.39 g
460-5732-A-12	8S101(0-0.5)		T	415 No Unit	1.04 g	5.54 g	5.32 g
460-5732-A-13	8S102(0-0.5)		T	277 No Unit	0.98 g	5.40 g	5.14 g
460-5732-A-14	8S103(0-0.5)		T	273 No Unit	1.02 g	5.84 g	5.40 g
460-5732-A-15	8S104(0-0.5)		T	226 No Unit	1.00 g	5.49 g	5.10 g
460-5732-A-16	8S105(0-0.5)		T	4 No Unit	1.03 g	5.64 g	5.28 g
460-5732-A-17	8S106(0-0.5)		T	11 No Unit	1.07 g	5.47 g	5.01 g
460-5732-A-18	8S107(0-0.5)		T	282 No Unit	1.00 g	5.19 g	4.82 g
460-5732-A-19	8S108(0-0.5)		T	295 No Unit	1.04 g	5.76 g	5.21 g
460-5732-A-20	8S101(3.5-4)		T	18 No Unit	1.05 g	5.55 g	5.18 g
460-5732-A-20~DU			T	141 No Unit	1.03 g	5.51 g	5.14 g
460-5732-A-21	8S101(1.5-2)		T	179 No Unit	1.05 g	5.99 g	5.44 g
460-5732-A-22	8S101(2.5-3)		T	159 No Unit	1.05 g	5.66 g	5.16 g
460-5732-A-23	8S102(3.5-4)		T	127 No Unit	1.05 g	5.87 g	5.36 g
460-5732-A-24	8S102(2.5-3)		T	98 No Unit	1.03 g	5.87 g	5.36 g
460-5732-A-25	8S102(1.5-2)		T	112 No Unit	1.09 g	5.49 g	5.04 g
460-5732-A-26	8S103(1.5-2)		T	250 No Unit	1.04 g	5.51 g	4.74 g
460-5732-A-27	8S103(2.5-3)		T	116 No Unit	1.04 g	5.09 g	4.59 g
460-5732-A-28	8S103(3.5-4)		T	178 No Unit	1.03 g	5.28 g	4.85 g
460-5732-A-29	8S104(1.5-2)		T	35 No Unit	1.01 g	5.20 g	4.84 g
460-5732-A-30	8S104(2.5-3)		T	180 No Unit	1.01 g	5.66 g	5.30 g
460-5732-A-31	8S104(3.5-4)		T	70 No Unit	1.06 g	5.95 g	5.57 g
460-5732-A-32	8S105(1.5-2)		T	138 No Unit	1.04 g	5.13 g	4.74 g
460-5732-A-33	8S105(2.5-3)		T	166 No Unit	1.02 g	5.50 g	4.91 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5732-A-34	8S105(3.5-4)		T	97 No Unit	1.06 g	5.61 g	4.85 g
460-5732-A-35	8S106(1.5-2)		T	8 No Unit	1.00 g	5.18 g	4.72 g
460-5732-A-36	8S106(2.5-3)		T	425 No Unit	1.00 g	5.95 g	5.37 g
460-5732-A-37	8S106(3.5-4)		T	146 No Unit	1.03 g	6.00 g	5.45 g
460-5732-A-38	8S107(1.5-2)		T	268 No Unit	1.02 g	5.71 g	5.28 g
460-5732-A-38~DU			T	407 No Unit	1.02 g	5.72 g	5.23 g
460-5732-A-39	8S107(2.5-3)		T	267 No Unit	1.04 g	5.64 g	5.24 g
460-5732-A-40	8S107(3.5-4)		T	102 No Unit	1.00 g	5.29 g	4.86 g
460-5732-A-41	8S108(1.5-2)		T	27 No Unit	1.00 g	5.80 g	5.29 g
460-5732-A-42	8S108(2.5-3)		T	232 No Unit	1.01 g	5.04 g	4.61 g
460-5732-A-43	8S108(3.5-4)		T	79 No Unit	1.03 g	5.55 g	4.92 g
460-5732-A-44	7S101(0-0.5)		T	291 No Unit	1.04 g	5.79 g	5.32 g
460-5732-A-45	7S101(1.5-2)		T	418 No Unit	1.01 g	5.90 g	5.16 g
460-5732-A-46	7S102(0-0.5)		T	247 No Unit	1.02 g	5.34 g	4.80 g
460-5732-A-47	7S102(1.5-2)		T	7 No Unit	0.99 g	5.76 g	5.35 g
460-5732-A-48	7S103(0-0.5)		T	249 No Unit	1.02 g	5.91 g	5.30 g
460-5732-A-49	7S103(1.5-2)		T	20 No Unit	1.04 g	5.52 g	4.64 g
460-5732-A-50	7S104(0-0.5)		T	22 No Unit	1.07 g	5.57 g	5.19 g
460-5732-A-51	7S104(1.5-2)		T	6 No Unit	1.01 g	5.58 g	4.88 g
460-5732-A-52	7S105(0-0.5)		T	44 No Unit	1.01 g	5.95 g	5.48 g
460-5732-A-53	7S105(1.5-2)		T	133 No Unit	1.12 g	5.83 g	5.35 g
460-5732-A-55	DUP-1		T	130 No Unit	1.06 g	5.35 g	4.94 g
460-5732-A-56	DUP-2		T	4 No Unit	1.01 g	5.56 g	5.14 g
460-5766-B-1	SP-1		T	58 No Unit	1.02 g	5.21 g	4.66 g
460-5775-E-1	Trench 1 AES		T	413 No Unit	1.03 g	5.21 g	4.59 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5776-E-1	PIPE-103		T	460 No Unit	1.10 g	5.31 g	4.96 g
460-5776-E-2	PIPE-104		T	124 No Unit	1.07 g	5.74 g	5.00 g
460-5776-E-3	PIPE-105		T	409 No Unit	1.00 g	5.70 g	4.37 g
460-5776-E-3~DU			T	65 No Unit	1.07 g	5.66 g	4.42 g
460-5770-A-1	MI CS-1		T	274 No Unit	1.01 g	5.77 g	4.78 g
460-5770-A-2	MI CS-2		T	182 No Unit	1.00 g	6.02 g	5.00 g
460-5770-A-3	MI CS-3		T	19 No Unit	1.00 g	5.64 g	4.69 g
460-5792-A-1	1080-H25D (0.0-0.5)		T	214 No Unit	1.01 g	5.64 g	4.81 g
460-5792-A-2	1080-H25D (0.5-1.0)		T	400 No Unit	1.01 g	5.39 g	4.81 g
460-5792-A-3	1080-H25D (1.0-1.5)		T	29 No Unit	1.04 g	5.60 g	4.97 g
460-5280-F-27	SHWC-1		T	241 No Unit	1.02 g	5.74 g	5.10 g
460-5280-F-28	SHWC-2		T	63 No Unit	1.03 g	5.69 g	4.90 g
460-5280-F-29	SHWC-3		T	188 No Unit	1.01 g	5.82 g	5.09 g
460-5796-A-1	70-32-5 (2-2.5)		T	416 No Unit	1.04 g	5.21 g	4.40 g
460-5796-B-2	70-32-6 (2-2.5)		T	113 No Unit	1.04 g	5.43 g	4.83 g
460-5796-B-3	70-32-7 (2.5-3)		T	12 No Unit	1.01 g	5.62 g	4.95 g
460-5796-B-4	70-32-3 (2-2.5)		T	193 No Unit	1.04 g	5.44 g	4.88 g
460-5796-B-5	70-32-4 (2.5-3)		T	8 No Unit	1.03 g	5.94 g	5.14 g
460-5796-B-6	70-32-9 (2-2.5)		T	15 No Unit	1.05 g	5.83 g	5.20 g
460-5796-B-7	70-32-1 (6-6.5)		T	243 No Unit	1.04 g	5.47 g	5.04 g
460-5796-B-8	70-22-4 (1-1.5)		T	207 No Unit	1.03 g	5.57 g	5.11 g
460-5796-B-9	70-22-5 (1-1.5)		T	203 No Unit	1.04 g	5.43 g	4.87 g
460-5796-B-10	70-22-6 (1-1.5)		T	195 No Unit	1.03 g	5.64 g	5.10 g
460-5796-B-10~DU			T	74 No Unit	1.04 g	5.60 g	5.08 g
460-5796-B-11	70-22-2 (1-1.5)		T	37 No Unit	1.06 g	5.62 g	5.20 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5796-B-12	70-22-1 (1-1.5)		T	205 No Unit	1.03 g	5.05 g	4.50 g
460-5797-D-1	MW-R-16I1-030.0-032.0		T	68 No Unit	1.04 g	5.14 g	4.37 g
460-5744-A-1	09-146 Oil Dry		T	222 No Unit	1.03 g	5.74 g	5.25 g
460-5744-A-2	09-147 Rust/Scale		T	80 No Unit	1.06 g	5.76 g	5.15 g
460-5755-A-1	PE-1		T	158 No Unit	1.03 g	6.00 g	5.73 g
460-5755-A-2	PE-2		T	250 No Unit	1.02 g	5.88 g	5.61 g
460-5755-A-3	PE-3		T	142 No Unit	1.02 g	5.53 g	5.28 g
460-5755-A-4	PE-4		T	426 No Unit	1.06 g	5.93 g	5.59 g
460-5755-A-5	PE-5		T	32 No Unit	1.03 g	5.16 g	4.96 g
460-5771-A-1	ENV-7-S1 (0-2)		T	131 No Unit	1.03 g	5.38 g	5.40 g
460-5771-A-2	ENV-7-S2 (8-10)		T	191 No Unit	1.02 g	5.28 g	1.90 g
460-5771-A-3	ENV-10-S1 (0-2)		T	151 No Unit	1.02 g	5.12 g	4.55 g
460-5771-A-4	ENV-31-S1 (0-2)		T	73 No Unit	1.03 g	5.35 g	4.80 g
460-5771-A-5	ENV-31-S2 (4-6)		T	192 No Unit	1.01 g	5.39 g	3.62 g
460-5773-A-1	PB50-3-S2 (8-10)		T	123 No Unit	1.06 g	5.63 g	1.84 g
460-5773-A-2	PB50-10-S2 (12-14)		T	252 No Unit	1.04 g	5.60 g	4.75 g
460-5773-A-3	PB50-4-S2 (9-11)		T	119 No Unit	1.03 g	5.54 g	2.54 g
460-5753-A-1	SO-1 UST		T	271 No Unit	1.06 g	5.27 g	4.69 g
460-5753-A-1~DU			T	11 No Unit	1.02 g	5.31 g	4.71 g
460-5753-A-2	SO-2 UST		T	160 No Unit	1.01 g	5.98 g	5.13 g
460-5753-A-3	SO-3 UST		T	9 No Unit	1.04 g	5.93 g	5.22 g
460-5753-A-4	SO-4 UST		T	201 No Unit	1.00 g	5.46 g	4.94 g
460-5753-A-5	SO-5 UST		T	164 No Unit	1.05 g	5.73 g	5.07 g
460-5753-A-6	SO-6 UST		T	246 No Unit	1.07 g	5.08 g	4.55 g
460-5753-A-7	SO-7 Piping Run		T	33 No Unit	1.01 g	5.65 g	5.12 g

General Chemistry Worksheet

Batch Number: 460-17274
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 17 2009 4:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5753-A-8	SO-8 Piping Run		T	7 No Unit	1.04 g	5.20 g	4.77 g
360-24563-A-20	OC-SB-456-7.0/9.0-XXX		T	202 No Unit	1.04 g	5.75 g	5.40 g
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	Moisture	T	128 No Unit	1.03 g	5.55 g	4.35 g
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	Moisture	T	272 No Unit	1.04 g	5.94 g	5.53 g
360-24582-A-25~MS	OC-SS-416-0.0/1.0-XMS	Moisture	T	40 No Unit	1.04 g	5.74 g	5.07 g
460-5763-A-1	Twin Oaks Carbon		T	198 No Unit	1.01 g	5.51 g	4.75 g
460-5769-A-1	S-1		T	33 No Unit	1.05 g	5.72 g	4.85 g
460-5769-A-2	S-2		T	14 No Unit	0.96 g	5.34 g	4.57 g
460-5769-A-3	S-3		T	29 No Unit	1.06 g	5.33 g	4.41 g

Balance ID:	#:104 No Unit
Oven Temp when samples are put in oven:	oven1 105° and oven2 100° Degrees C
Date samples were removed from oven:	9/18/2009
Time Samples were removed from oven:	9:00
Oven Temp when samples removed from oven:	oven1 103°/oven2 106 Degrees C
Oven ID:	oven 1 and oven 2
ID number of the thermometer:	28293 28456

Metals Worksheet

Batch Number: 460-17358
Method: DI Leach
Analyst: Cabanganan, Maria

Date Open: Sep 18 2009 1:45PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
360-24582-A-3	OC-SB-457-28/30-XXX	DI Leach, SM 2580B	S	20 g	20 mL

General Chemistry Worksheet

Batch Number: 460-17416
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 19 2009 5:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5849-E-1	SB165/4.0-4.5		T	191 No Unit	1.02 g	5.44 g	4.81 g
460-5849-A-2	SB165/6.0-6.5		T	219 No Unit	1.01 g	5.71 g	4.96 g
460-5849-A-3	SB165/11.5-12.0		T	146 No Unit	1.03 g	5.26 g	4.50 g
460-5849-A-4	SB165/14.5-15.0		T	18 No Unit	1.04 g	5.69 g	4.90 g
460-5849-A-5	SB165/16.0-16.5		T	91 No Unit	1.04 g	5.16 g	4.83 g
460-5849-A-6	SB165/17.0-17.5		T	277 No Unit	0.98 g	5.27 g	5.05 g
460-5849-A-7	SB164/0.0-0.5		T	19 No Unit	1.00 g	5.85 g	5.45 g
460-5849-A-8	SB164/1.5-2.0		T	123 No Unit	1.05 g	5.14 g	4.59 g
460-5849-E-9	SB164/4.0-4.5		T	179 No Unit	1.04 g	5.37 g	4.78 g
460-5849-A-10	SB164/6.0-6.5		T	273 No Unit	1.02 g	5.33 g	4.75 g
460-5849-A-11	SB164/11.5-12.0		T	429 No Unit	0.97 g	5.38 g	4.46 g
460-5849-A-12	SB164/14.0-14.5		T	20 No Unit	1.01 g	5.37 g	4.58 g
460-5849-A-13	SB164/16.0-16.5		T	8 No Unit	1.01 g	5.92 g	5.75 g
460-5849-A-14	SB164/17.0-17.5		T	72 No Unit	1.05 g	5.63 g	5.41 g
460-5849-D-15	SB4R/13.5-14.0		T	95 No Unit	1.01 g	5.12 g	4.22 g
460-5849-D-16	SB4R/14.5-15.0		T	178 No Unit	1.09 g	5.81 g	4.85 g
460-5849-D-17	SB4R/16.0-16.5		T	67 No Unit	1.01 g	5.88 g	5.56 g
460-5849-D-18	SB4R/17.5-18.0		T	291 No Unit	1.04 g	5.51 g	5.35 g
460-5846-A-1	B-116		T	39 No Unit	1.02 g	5.58 g	4.49 g
460-5846-A-2	B-216		T	250 No Unit	1.03 g	5.34 g	4.49 g
460-5846-A-2~DU			T	241 No Unit	1.02 g	5.38 g	4.49 g
460-5846-A-3	W-115		T	8 No Unit	1.04 g	5.07 g	4.08 g
460-5846-A-4	W-215		T	401 No Unit	1.02 g	5.85 g	4.79 g
460-5846-A-5	B-314		T	407 No Unit	1.02 g	5.40 g	4.45 g
460-5846-A-6	B-415		T	7 No Unit	0.99 g	5.36 g	4.59 g

General Chemistry Worksheet

Batch Number: 460-17416
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 19 2009 5:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5846-A-7	S-113		T	144 No Unit	1.07 g	5.75 g	4.82 g
460-5846-A-8	S-213		T	180 No Unit	1.02 g	5.18 g	4.16 g
460-5846-A-9	S-314		T	168 No Unit	1.00 g	5.51 g	4.48 g
460-5846-A-10	S-414		T	430 No Unit	0.97 g	5.33 g	4.24 g
460-5855-A-1	90256		T	51 No Unit	1.00 g	5.84 g	5.52 g
460-5856-A-1	90161		T	11 No Unit	1.02 g	5.09 g	3.91 g
460-5857-A-1	90255		T	35 No Unit	1.00 g	5.58 g	5.17 g
460-5858-A-1	90258		T	119 No Unit	1.02 g	5.45 g	5.07 g
460-5859-A-1	90254		T	195 No Unit	1.04 g	5.34 g	3.32 g
460-5860-A-1	90257		T	412 No Unit	1.04 g	5.97 g	2.09 g
460-5850-A-1	N-2		T	58 No Unit	1.01 g	5.78 g	5.33 g
460-5850-A-2	N-3		T	97 No Unit	1.06 g	5.87 g	5.42 g
460-5850-A-3	E-2		T	202 No Unit	1.03 g	5.67 g	5.15 g
460-5850-A-4	E-3		T	151 No Unit	1.02 g	5.44 g	4.97 g
460-5850-A-5	S-2		T	52 No Unit	1.02 g	5.18 g	4.77 g
460-5850-A-5~DU			T	149 No Unit	1.02 g	5.24 g	4.83 g
460-5850-A-6	S-3		T	29 No Unit	1.03 g	5.74 g	5.33 g
460-5852-A-1	L49AS001		T	243 No Unit	1.04 g	5.80 g	5.27 g
460-5852-A-2	L49BS001		T	248 No Unit	1.02 g	5.53 g	5.15 g
460-5852-A-3	L49CS001		T	159 No Unit	1.05 g	5.95 g	5.61 g
460-5852-A-4	L49DS001		T	282 No Unit	1.02 g	5.74 g	5.34 g
460-5852-A-5	L48AS001		T	416 No Unit	1.05 g	5.24 g	4.83 g
460-5852-A-6	L48BS001		T	7 No Unit	1.05 g	5.66 g	5.30 g
460-5852-A-7	L48CS001		T	213 No Unit	1.01 g	5.25 g	4.86 g
460-5852-A-8	L48DS001		T	418 No Unit	1.01 g	5.36 g	4.94 g

General Chemistry Worksheet

Batch Number: 460-17416
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 19 2009 5:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5851-A-1	Haulroad-pre-091509-4		T	264 No Unit	1.01 g	5.96 g	5.46 g
460-5851-A-2	Haulroad-pre-091509-5		T	112 No Unit	1.08 g	6.06 g	5.28 g
460-5851-A-3	Haulroad-pre-091509-6		T	127 No Unit	1.05 g	5.90 g	5.17 g
460-5851-A-4	Haulroad-post-091509		T	70 No Unit	1.06 g	5.72 g	5.45 g
460-5877-A-1	SL-37		T	142 No Unit	1.03 g	5.13 g	4.25 g
460-5877-A-2	SL-31		T	400 No Unit	1.01 g	5.73 g	4.96 g
460-5877-A-3	SL-29		T	116 No Unit	1.04 g	5.83 g	4.84 g
460-5877-A-4	SL-19		T	51 No Unit	1.04 g	5.74 g	4.79 g
460-5877-A-5	SL-18		T	160 No Unit	1.00 g	5.40 g	4.58 g
460-5877-A-6	SL-9		T	15 No Unit	1.04 g	5.74 g	4.94 g
460-5877-A-7	3-SD		T	12 No Unit	1.01 g	5.79 g	5.36 g
460-5877-A-8	2-SD		T	193 No Unit	1.04 g	5.27 g	4.51 g
460-5877-A-9	114-SD		T	10 No Unit	1.04 g	5.45 g	4.65 g
460-5877-A-10	124-SD		T	11 No Unit	1.04 g	5.86 g	4.99 g
460-5877-A-11	131-SD		T	4 No Unit	1.03 g	5.70 g	4.80 g
460-5877-A-12	1-SD		T	27 No Unit	1.01 g	5.42 g	4.31 g
460-5877-A-13	132-SD		T	74 No Unit	1.05 g	5.46 g	4.46 g
460-5877-A-13~DU			T	237 No Unit	1.00 g	5.47 g	4.35 g
460-5877-A-14	182-DD		T	210 No Unit	1.02 g	5.48 g	4.70 g
460-5877-A-15	189-DD		T	77 No Unit	1.07 g	5.99 g	5.14 g
460-5877-A-16	73-PD		T	133 No Unit	1.04 g	5.25 g	4.54 g
460-5877-A-17	75-PD		T	66 No Unit	1.03 g	5.66 g	4.80 g
460-5877-A-18	65-PD		T	283 No Unit	1.02 g	5.38 g	4.50 g
460-5877-A-19	80-VD		T	69 No Unit	1.05 g	5.89 g	4.94 g
460-5877-A-20	93-VD		T	252 No Unit	1.04 g	5.24 g	4.43 g

General Chemistry Worksheet

Batch Number: 460-17416
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Sep 19 2009 5:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-5877-A-21	84-VD		T	425 No Unit	0.99 g	5.26 g	4.53 g
460-5877-A-22	7-MS		T	166 No Unit	1.02 g	5.17 g	4.34 g
460-5805-A-1	ENV-35-S1 (6'-8')		T	234 No Unit	1.02 g	5.68 g	4.16 g
460-5805-A-2	ENV-6-S1 (0'-2')		T	232 No Unit	1.02 g	5.26 g	4.57 g
460-5805-A-3	ENV-6-S2 (6'-8')		T	20 No Unit	1.03 g	5.61 g	4.98 g
460-5805-A-4	ENV-8-S1 (0'-2')		T	289 No Unit	1.00 g	5.40 g	4.92 g
460-5805-A-5	ENV-8-S2 (14'-15')		T	17 No Unit	1.00 g	5.54 g	4.04 g
460-5805-A-6	09.17.09-S1		T	271 No Unit	1.03 g	5.27 g	2.51 g
460-5805-A-7	ENV-28-S2 (12'-14')		T	427 No Unit	0.96 g	6.05 g	4.84 g
460-5805-A-8	ENV-13-S2 (10'-12')		T	110 No Unit	1.10 g	5.43 g	4.70 g
460-5805-A-8~DU			T	295 No Unit	1.04 g	5.42 g	4.70 g
460-5806-A-1	PB50-14A-S2		T	102 No Unit	1.01 g	6.08 g	4.91 g
460-5833-A-1	MW-KY4SEA		T	413 No Unit	1.03 g	5.11 g	4.43 g
460-5833-A-2	MW-KY4SEB		T	415 No Unit	1.03 g	5.59 g	4.50 g
460-5833-A-3	MW-KY3SEA		T	37 No Unit	1.05 g	5.43 g	4.69 g
460-5801-R-1	Fill Material 1		T	173 No Unit	1.05 g	5.63 g	5.30 g
460-5801-R-2	Fill Material 2		T	64 No Unit	1.02 g	5.61 g	5.21 g
460-5801-R-3	Fill Material 3		T	426 No Unit	1.06 g	5.85 g	5.52 g
360-24582-A-3	OC-SB-457-28/30-XXX	Moisture	T	247 No Unit	1.03 g	5.99 g	5.53 g
360-24444-A-15	OC-SB-459-6.0/8.0-XXX		T	257 No Unit	1.04 g	5.42 g	4.85 g
460-5876-A-1	KSI0410-01		T	17 No Unit	1.04 g	5.43 g	4.79 g
460-5864-A-1	S-1		T	163 No Unit	1.06 g	5.62 g	4.85 g
460-5864-A-2	S-2		T	249 No Unit	1.02 g	5.67 g	5.16 g

Balance ID: #:104 No Unit
Oven Temp when samples are put in oven: oven 1 100° oven2 102° Degrees C
Oven ID: oven 1 and oven2
ID number of the thermometer: 28293 28456

General Chemistry Worksheet

Batch Number: 460-17510
Method: 9045C
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 2:44PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Temperature of the sample	WTpHCCV_00004	WTpHLCS_00003
MB~460-17510/1		9045C		20 mL	20 mL	22.1 Celsius		
LCS~460-17510/2		9045C		20 mL	20 mL	22.3 Celsius		20 mL
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	9045C	T	20 mL	20 mL	22.1 Celsius		
360-24582-A-25~DU		9045C	T	20 mL	20 mL	22.2 Celsius		
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	9045C	T	20 mL	20 mL	22.2 Celsius		
CCV~460-17510/6		9045C		20 mL	20 mL	22.3 Celsius	20 mL	

pH Buffer 1 ID: 7.00 fisher/ 085811 exp. 11/2010
pH Buffer 2 ID: 4.01 thermo/ 910104 exp. 07/30/10
pH Buffer 3 ID: 10.00 thermo/ 910110 exp. 08/31/10
Instrument ID: c
Balance ID: 26

General Chemistry Worksheet

Batch Number: 460-17510
Method: 9045C
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 2:44PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-17510/1		9045C		
LCS~460-17510/2		9045C		
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	9045C	T	
360-24582-A-25~DU		9045C	T	
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	9045C	T	
CCV~460-17510/6		9045C		

Batch Comment: lcs(P159-977) 8.57 (8.35-8.63)

Metals Worksheet

Batch Number: 460-17537
Method: DI Leach
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 6:46PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
460-5771-A-1	ENV-7-S1 (0-2)		S	20 g	20 mL
460-5771-A-1~DU			S	20 g	20 mL
460-5771-A-2	ENV-7-S2 (8-10)		S	20 g	20 mL
460-5771-A-3	ENV-10-S1 (0-2)		S	20 g	20 mL
460-5771-A-4	ENV-31-S1 (0-2)		S	20 g	20 mL
460-5771-A-5	ENV-31-S2 (4-6)		S	20 g	20 mL
460-5773-A-1	PB50-3-S2 (8-10)		S	20 g	20 mL
460-5773-A-2	PB50-10-S2 (12-14)		S	20 g	20 mL
460-5773-A-3	PB50-4-S2 (9-11)		S	20 g	20 mL
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	DI Leach, SM 2580B	S	20 g	20 mL
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL
460-5833-A-1	MW-KY4SEA		S	20 g	20 mL
460-5833-A-2	MW-KY4SEB		S	20 g	20 mL
460-5833-A-3	MW-KY3SEA		S	20 g	20 mL
460-5833-A-4	MW-KY3SEB		S	20 g	20 mL
460-5806-A-1	PB50-14A-S2		S	20 g	20 mL
360-24665-A-20	OC-SS-436-0.0/1.0-XXX		S	20 g	20 mL

General Chemistry Worksheet

Batch Number: 460-17544
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 7:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WTredoxLCS_00001
LCS~460-17544/1		SM 2580B		100 mL
CCV~460-17544/2		SM 2580B		100 mL
460-5771-A-1-A	ENV-7-S1 (0-2)		S	
460-5771-A-1-B~DU			S	
460-5771-A-2-A	ENV-7-S2 (8-10)		S	
460-5771-A-3-A	ENV-10-S1 (0-2)		S	
460-5771-A-4-A	ENV-31-S1 (0-2)		S	
460-5771-A-5-A	ENV-31-S2 (4-6)		S	
460-5773-A-1-A	PB50-3-S2 (8-10)		S	
460-5773-A-2-A	PB50-10-S2 (12-14)		S	
460-5773-A-3-A	PB50-4-S2 (9-11)		S	
CCV~460-17544/12		SM 2580B		100 mL
360-24582-A-24-A	OC-SS-416-0.0/1.0-DUP	SM 2580B	S	
360-24582-A-25-A	OC-SS-416-0.0/1.0-XXX	SM 2580B	S	
460-5833-A-1-A	MW-KY4SEA		S	
460-5833-A-2-A	MW-KY4SEB		S	
460-5833-A-3-A	MW-KY3SEA		S	
460-5833-A-4-A	MW-KY3SEB		S	
460-5806-A-1-A	PB50-14A-S2		S	
360-24665-A-20-A	OC-SS-436-0.0/1.0-XXX		S	
CCV~460-17544/21		SM 2580B		100 mL

Fe2/Fe3 Standard Lot #: light solution 475mV+/-10mV
Quinhydrone Reference Solution Lot #: orion 900011

General Chemistry Worksheet

Batch Number: 460-17544
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 7:22PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~460-17544/1		SM 2580B		
CCV~460-17544/2		SM 2580B		
460-5771-A-1-A	ENV-7-S1 (0-2)		S	
460-5771-A-1-B~DU			S	
460-5771-A-2-A	ENV-7-S2 (8-10)		S	
460-5771-A-3-A	ENV-10-S1 (0-2)		S	
460-5771-A-4-A	ENV-31-S1 (0-2)		S	
460-5771-A-5-A	ENV-31-S2 (4-6)		S	
460-5773-A-1-A	PB50-3-S2 (8-10)		S	
460-5773-A-2-A	PB50-10-S2 (12-14)		S	
460-5773-A-3-A	PB50-4-S2 (9-11)		S	
CCV~460-17544/12		SM 2580B		
360-24582-A-24-A	OC-SS-416-0.0/1.0-DUP	SM 2580B	S	
360-24582-A-25-A	OC-SS-416-0.0/1.0-XXX	SM 2580B	S	
460-5833-A-1-A	MW-KY4SEA		S	
460-5833-A-2-A	MW-KY4SEB		S	
460-5833-A-3-A	MW-KY3SEA		S	
460-5833-A-4-A	MW-KY3SEB		S	
460-5806-A-1-A	PB50-14A-S2		S	
360-24665-A-20-A	OC-SS-436-0.0/1.0-XXX		S	
CCV~460-17544/21		SM 2580B		

Batch Comment: result adjusted by +204mV

General Chemistry Worksheet

Batch Number: 460-17548
Method: 9045C
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 7:55PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Temperature of the sample	WTpHCCV_00004	WTpHLCS_00003
MB~460-17548/1		9045C		20 g	20 mL	22.1 Celsius		
LCS~460-17548/2		9045C		20 g	20 mL	22.4 Celsius		20 mL
360-24582-A-3	OC-SB-457-28/30-XXX	9045C	T	20 g	20 mL	22.1 Celsius		
360-24582-A-3~DU		9045C	T	20 g	20 mL	22.4 Celsius		
460-5833-A-1	MW-KY4SEA		T	20 g	20 mL	22.6 Celsius		
460-5833-A-2	MW-KY4SEB		T	20 g	20 mL	22.2 Celsius		
460-5833-A-3	MW-KY3SEA		T	20 g	20 mL	22.8 Celsius		
460-5833-A-4	MW-KY3SEB		T	20 g	20 mL	22.1 Celsius		
460-5856-A-1-A	90161		P	20 g	20 mL	22.0 Celsius		
460-5842-A-2	UNKNOWN-TOP LAYER		T	20 g	20 mL	22.4 Celsius		
CCV~460-17548/11		9045C		20 g	20 mL	23.0 Celsius	20 mL	

pH Buffer 1 ID: 7.00 fisher/ 085811 exp. 11/2010
pH Buffer 2 ID: 4.01 thermo/ 910104 exp. 07/30/10
pH Buffer 3 ID: 10.00 thermo/ 910110 exp.08/31/10
pH Buffer 4 ID: 12.00 ricca/ 2812622 exp. 12/2009
Instrument ID: c
Balance ID: 26

General Chemistry Worksheet

Batch Number: 460-17548
Method: 9045C
Analyst: Cabanganan, Maria

Date Open: Sep 21 2009 7:55PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-17548/1		9045C		
LCS~460-17548/2		9045C		
360-24582-A-3	OC-SB-457-28/30-XXX	9045C	T	
360-24582-A-3~DU		9045C	T	
460-5833-A-1	MW-KY4SEA		T	
460-5833-A-2	MW-KY4SEB		T	
460-5833-A-3	MW-KY3SEA		T	
460-5833-A-4	MW-KY3SEB		T	
460-5856-A-1-A	90161		P	ph taken from tclp
460-5842-A-2	UNKNOWN-TOP LAYER		T	This sample is multi-phasic. The layers will be separated and analyzed individually.
CCV~460-17548/11		9045C		

Batch Comment: lcs(P159-977) 8.57 (8.35-8.63)

Metals Worksheet

Batch Number: 460-17585
Method: 3060A
Analyst: Carlone, John

Date Open: Sep 22 2009 9:40AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00005	WThcrLCSSRM_00001	WThcrPbCr_00002	WThcrsLCS_00007
MB~460-17585/1		3060A, 7199		2.50 g	100 mL				
LCS~460-17585/2		3060A, 7199		2.50 g	100 mL				5.0 mL
LCSSRM~460-17585/3		3060A, 7199		2.50 g	100 mL		2.50 g		
LCSI~460-17585/4		3060A, 7199		2.50 g	100 mL			0.011 g	
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	3060A, 7199	T	2.50 g	100 mL				
360-24582-A-25~DU		3060A, 7199	T	2.50 g	100 mL				
360-24582-A-25~MS	OC-SS-416-0.0/1.0-XMS	3060A, 7199	T	2.50 g	100 mL	1.0 mL			
360-24582-A-25~MSI		3060A, 7199	T	2.50 g	100 mL			0.011 g	
360-24582-A-3	OC-SB-457-28/30-XXX	3060A, 7199	T	2.46 g	100 mL				
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	3060A, 7199	T	2.44 g	100 mL				
360-24665-A-20	OC-SS-436-0.0/1.0-XXX		T	2.53 g	100 mL				
360-24665-A-21	OC-SS-437-0.0/1.0-XXX		T	2.52 g	100 mL				
360-24686-A-17	OC-SB-473-0.0/1.0-XXX		T	2.50 g	100 mL				
360-24686-A-18	OC-SB-473-13/15-XXX		T	2.58 g	100 mL				
360-24686-A-19	OC-SB-473-4.0/6.0-XXX		T	2.55 g	100 mL				

Magnesium Chloride Vendor:	AESAR
Magnesium Chloride Lot Number:	K13R006
Potassium Phosphate Buffer Reagent ID:	C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID:	C-5316-09 EXP M10/17/09
Lead Chromate Lot #:	09921LC
Lead Chromate Vendor ID:	ALDRICH
First Start time:	0920
Starting Temperature:	90.5 Celsius
First End time:	1020

Metals Worksheet

Batch Number: 460-17585
Method: 3060A
Analyst: Carlone, John

Date Open: Sep 22 2009 9:40AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-17585/1		3060A, 7199		
LCS~460-17585/2		3060A, 7199		
LCSSRM~460-17585/3		3060A, 7199		
LCSI~460-17585/4		3060A, 7199		
360-24582-A-25	OC-SS-416-0.0/1.0-XXX	3060A, 7199	T	
360-24582-A-25~DU		3060A, 7199	T	
360-24582-A-25~MS	OC-SS-416-0.0/1.0-XMS	3060A, 7199	T	
360-24582-A-25~MSI		3060A, 7199	T	
360-24582-A-3	OC-SB-457-28/30-XXX	3060A, 7199	T	
360-24582-A-24	OC-SS-416-0.0/1.0-DUP	3060A, 7199	T	
360-24665-A-20	OC-SS-436-0.0/1.0-XXX		T	
360-24665-A-21	OC-SS-437-0.0/1.0-XXX		T	
360-24686-A-17	OC-SB-473-0.0/1.0-XXX		T	
360-24686-A-18	OC-SB-473-13/15-XXX		T	
360-24686-A-19	OC-SB-473-4.0/6.0-XXX		T	

Batch Comment:

AFTER 30 MINUTES:

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00037	WThcrIM6_00036
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-17979/6		7199		100 mL			2.5 mL
ICB~460-17979/7		7199					
MB~460-17582/1-A~^10					9.43		
MB~460-17582/1-A~^10					9.43		
LCS~460-17582/2-A~^25					9.42		
LCS~460-17582/2-A~^25					9.42		
LCSSRM~460-17582/3-A~^100					9.34		
LCSSRM~460-17582/3-A~^100					9.34		
LCSI~460-17582/4-A~^500					9.25		
LCSI~460-17582/4-A~^500					9.25		
360-24444-A-15-C~^10	OC-SB-459-6.0/8.0-XXX		T		9.07		
360-24444-A-15-C~^10	OC-SB-459-6.0/8.0-XXX		T		9.07		
CCV~460-17979/18				100 mL			2.5 mL
CCB~460-17979/19							
360-24444-A-15-D~DU~^10			T		9.39		
360-24444-A-15-D~DU~^10			T		9.39		
360-24444-A-15-E~MS~^40	OC-SB-459-6.0/8.0-XMS		T		9.42		
360-24444-A-15-E~MS~^40	OC-SB-459-6.0/8.0-XMS		T		9.42		
360-24444-A-15-F~MSI~^500			T		9.27		
360-24444-A-15-F~MSI~^500			T		9.27		

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00037	WThcrIM6_00036
360-24454-A-13-B~^10	OC-SB-470-0.0/1.0-XXX		T		9.03		
360-24454-A-13-B~^10	OC-SB-470-0.0/1.0-XXX		T		9.03		
360-24454-A-15-B~^10	OC-SB-470-7.0/9.0-XXX		T		9.29		
360-24454-A-15-B~^10	OC-SB-470-7.0/9.0-XXX		T		9.29		
CCV~460-17979/30				100 mL			2.5 mL
CCB~460-17979/31							
360-24499-A-9-B~^10	OC-SB-466-30/32-XXX		T		9.43		
360-24499-A-9-B~^10	OC-SB-466-30/32-XXX		T		9.43		
360-24499-A-10-B~^10	OC-SB-466-6.0/8.0-XXX		T		9.04		
360-24499-A-10-B~^10	OC-SB-466-6.0/8.0-XXX		T		9.04		
360-24499-A-11-B~^10	OC-SB-469-0.0/1.0-XXX		T		9.03		
360-24499-A-11-B~^10	OC-SB-469-0.0/1.0-XXX		T		9.03		
360-24499-A-13-B~^10	OC-SB-469-7.0/9.0-XXX		T		9.05		
360-24499-A-13-B~^10	OC-SB-469-7.0/9.0-XXX		T		9.05		
360-24444-A-15-C~PDS~^40			T	50 mL	9.07	1.25 mL	
360-24444-A-15-C~PDS~^40			T	50 mL	9.07	1.25 mL	
CCV~460-17979/42				100 mL			2.5 mL
CCB~460-17979/43							
MB~460-17740/1-A~^10					9.25		
MB~460-17740/1-A~^10					9.25		
LCS~460-17740/2-A~^25					9.23		
LCS~460-17740/2-A~^25					9.23		
LCSI~460-17740/3-A~^500					9.22		
LCSI~460-17740/3-A~^500					9.22		
460-5826-A-1-E~^10	140-SB-051-1214-0811 2009		T		9.40		

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00037	WThcrIM6_00036
460-5826-A-1-E~^10	140-SB-051-1214-0811 2009		T		9.40		
460-5826-A-1-B~DU~^10	140-SB-051-1214-0811 2009		T		9.43		
460-5826-A-1-B~DU~^10	140-SB-051-1214-0811 2009		T		9.43		
CCV~460-17979/54		7199		100 mL			2.5 mL
CCB~460-17979/55		7199					
460-5826-A-1-C~MS~^40	140-SB-051-1214-0811 2009		T		9.38		
460-5826-A-1-C~MS~^40	140-SB-051-1214-0811 2009		T		9.38		
460-5826-A-1-D~MSI~^500			T		9.45		
460-5826-A-1-D~MSI~^500			T		9.45		
460-5826-A-1-E~PDS~^40			T	50 mL	9.40	1.25 mL	
460-5826-A-1-E~PDS~^40			T	50 mL	9.40	1.25 mL	
MB~460-17585/1-A~^10		7199			9.25		
MB~460-17585/1-A~^10					9.25		
LCS~460-17585/2-A~^25					9.23		
LCS~460-17585/2-A~^25		7199			9.23		
CCV~460-17979/66		7199		100 mL			2.5 mL
CCB~460-17979/67		7199					
LCSSRM~460-17585/3-A~^100					9.34		
LCSSRM~460-17585/3-A~^100		7199			9.34		
LCSI~460-17585/4-A~^500					9.22		
LCSI~460-17585/4-A~^500		7199			9.22		
360-24582-A-25-B~^10	OC-SS-416-0.0/1.0-XXX	7199	T		9.25		
360-24582-A-25-B~^10	OC-SS-416-0.0/1.0-XXX		T		9.25		
360-24582-A-25-C~DU~^10		7199	T		9.37		
360-24582-A-25-C~DU~^10			T		9.37		

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00037	WThcrIM6_00036
360-24582-A-25-D~MS~^40	OC-SS-416-0.0/1.0-XMS	7199	T		9.22		
360-24582-A-25-D~MS~^40	OC-SS-416-0.0/1.0-XMS		T		9.22		
360-24582-A-25-E~MSI~^500			T		9.38		
360-24582-A-25-E~MSI~^500		7199	T		9.38		
CCV~460-17979/80		7199		100 mL			2.5 mL
CCB~460-17979/81		7199					
360-24582-A-3-B~^10	OC-SB-457-28/30-XXX	7199	T		9.48		
360-24582-A-3-B~^10	OC-SB-457-28/30-XXX		T		9.48		
360-24582-A-24-B~^10	OC-SS-416-0.0/1.0-DUP	7199	T		9.43		
360-24582-A-24-B~^10	OC-SS-416-0.0/1.0-DUP		T		9.43		
360-24665-A-20-B~^10	OC-SS-436-0.0/1.0-XXX		T		9.36		
360-24665-A-20-B~^10	OC-SS-436-0.0/1.0-XXX		T		9.36		
360-24665-A-21-A~^10	OC-SS-437-0.0/1.0-XXX		T		9.39		
360-24665-A-21-A~^10	OC-SS-437-0.0/1.0-XXX		T		9.39		
360-24686-A-17-A~^10	OC-SB-473-0.0/1.0-XXX		T		9.38		
360-24686-A-17-A~^10	OC-SB-473-0.0/1.0-XXX		T		9.38		
CCV~460-17979/92		7199		100 mL			2.5 mL
CCB~460-17979/93		7199					
360-24686-A-18-A~^10	OC-SB-473-13/15-XXX				9.44		
360-24686-A-18-A~^10	OC-SB-473-13/15-XXX				9.44		
360-24686-A-19-A~^10	OC-SB-473-4.0/6.0-XXX		T		9.21		
360-24686-A-19-A~^10	OC-SB-473-4.0/6.0-XXX		T		9.21		
360-24582-A-25-B~PDS~^40			T	50 mL	9.25	1.25 mL	
360-24582-A-25-B~PDS~^40		7199	T	50 mL	9.25	1.25 mL	
CCV~460-17979/100		7199		100 mL			2.5 mL

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00037	WThcrIM6_00036
CCB~460-17979/10 1		7199					

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0621-09 exp: 10/1/09
Post Column Reagent Lot: 0620-09 exp: 9/29/09

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-17979/6		7199		All samples run in duplicate as per method. Higher result reported as primary, lower result rejected.
ICB~460-17979/7		7199		Initial pH= pH (in SU between 9 and 9.5) after adjustment with 1:1 HNO3
MB~460-17582/1-A~^10				
MB~460-17582/1-A~^10				
LCS~460-17582/2-A~^25				
LCS~460-17582/2-A~^25				
LCSSRM~460-17582/3-A~^100				
LCSSRM~460-17582/3-A~^100				
LCSI~460-17582/4-A~^500				
LCSI~460-17582/4-A~^500				Digestate description is below:
360-24444-A-15-C~^10	OC-SB-459-6.0/8.0-XXX		T	light brown
360-24444-A-15-C~^10	OC-SB-459-6.0/8.0-XXX		T	
CCV~460-17979/18				
CCB~460-17979/19				
360-24444-A-15-D~DU~^10			T	light brown
360-24444-A-15-D~DU~^10			T	
360-24444-A-15-E~MS~^40	OC-SB-459-6.0/8.0-XMS		T	light brown
360-24444-A-15-E~MS~^40	OC-SB-459-6.0/8.0-XMS		T	
360-24444-A-15-F~MSI~^500			T	yellow

General Chemistry Worksheet

Batch Number: 460-17979

Method: 7199

Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM

Batch End:

360-24444-A-15-F~ MSI~^500	T

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24454-A-13-B~^10	OC-SB-470-0.0/1.0-XXX		T	light brown
360-24454-A-13-B~^10	OC-SB-470-0.0/1.0-XXX		T	
360-24454-A-15-B~^10	OC-SB-470-7.0/9.0-XXX		T	light brown
360-24454-A-15-B~^10	OC-SB-470-7.0/9.0-XXX		T	
CCV~460-17979/30				
CCB~460-17979/31				
360-24499-A-9-B~^10	OC-SB-466-30/32-XXX		T	colorless
360-24499-A-9-B~^10	OC-SB-466-30/32-XXX		T	
360-24499-A-10-B~^10	OC-SB-466-6.0/8.0-XXX		T	colorless
360-24499-A-10-B~^10	OC-SB-466-6.0/8.0-XXX		T	
360-24499-A-11-B~^10	OC-SB-469-0.0/1.0-XXX		T	light brown
360-24499-A-11-B~^10	OC-SB-469-0.0/1.0-XXX		T	
360-24499-A-13-B~^10	OC-SB-469-7.0/9.0-XXX		T	colorless
360-24499-A-13-B~^10	OC-SB-469-7.0/9.0-XXX		T	
360-24444-A-15-C~PDS~^40			T	
360-24444-A-15-C~PDS~^40			T	
CCV~460-17979/42				
CCB~460-17979/43				
MB~460-17740/1-A~^10				
MB~460-17740/1-A~^10				
LCS~460-17740/2-A~^25				
LCS~460-17740/2-A~^25				
LCSI~460-17740/3-A~^500				
LCSI~460-17740/3-A~^500				
460-5826-A-1-E~^10	140-SB-051-1214-0811 2009		T	Over calibration curve; will be rerun medium brown

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Comments Analysis comment
460-5826-A-1-E~^10	140-SB-051-1214-0811 2009		T	Over calibration curve; will be rerun
460-5826-A-1-B~DU ~^10	140-SB-051-1214-0811 2009		T	Over calibration curve; /ill be rerun medium brown
460-5826-A-1-B~DU ~^10	140-SB-051-1214-0811 2009		T	Over calibration curve; will be rerun
CCV~460-17979/54		7199		
CCB~460-17979/55		7199		
460-5826-A-1-C~MS ~^40	140-SB-051-1214-0811 2009		T	Over calibration curve; /ill be rerun medium brown
460-5826-A-1-C~MS ~^40	140-SB-051-1214-0811 2009		T	Over calibration curve; will be rerun
460-5826-A-1-D~MS I~^500			T	yellow
460-5826-A-1-D~MS I~^500			T	
460-5826-A-1-E~PD S~^40			T	Over calibration curve; will be rerun
460-5826-A-1-E~PD S~^40			T	Over calibration curve; will be rerun
MB~460-17585/1-A~ ^10		7199		
MB~460-17585/1-A~ ^10				
LCS~460-17585/2-A ~^25				
LCS~460-17585/2-A ~^25		7199		
CCV~460-17979/66		7199		
CCB~460-17979/67		7199		
LCSSRM~460-1758 5/3-A~^100				
LCSSRM~460-1758 5/3-A~^100		7199		
LCSI~460-17585/4- A~^500				
LCSI~460-17585/4- A~^500		7199		
360-24582-A-25-B~^ 10	OC-SS-416-0.0/1.0-XX X	7199	T	medium brown
360-24582-A-25-B~^ 10	OC-SS-416-0.0/1.0-XX X		T	
360-24582-A-25-C~ DU~^10		7199	T	medium brown

General Chemistry Worksheet

Batch Number: 460-17979

Method: 7199

Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM

Batch End:

360-24582-A-25-C~ DU~^10	T

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24582-A-25-D~MS~^40	OC-SS-416-0.0/1.0-XMS	7199	T	medium brown
360-24582-A-25-D~MS~^40	OC-SS-416-0.0/1.0-XMS		T	
360-24582-A-25-E~MSI~^500			T	yellow
360-24582-A-25-E~MSI~^500		7199	T	
CCV~460-17979/80		7199		
CCB~460-17979/81		7199		
360-24582-A-3-B~^10	OC-SB-457-28/30-XXX	7199	T	colorless
360-24582-A-3-B~^10	OC-SB-457-28/30-XXX		T	
360-24582-A-24-B~^10	OC-SS-416-0.0/1.0-DUP	7199	T	medium brown
360-24582-A-24-B~^10	OC-SS-416-0.0/1.0-DUP		T	
360-24665-A-20-B~^10	OC-SS-436-0.0/1.0-XXX		T	dark brown
360-24665-A-20-B~^10	OC-SS-436-0.0/1.0-XXX		T	
360-24665-A-21-A~^10	OC-SS-437-0.0/1.0-XXX		T	dark brown
360-24665-A-21-A~^10	OC-SS-437-0.0/1.0-XXX		T	
360-24686-A-17-A~^10	OC-SB-473-0.0/1.0-XXX		T	very dark brown/ black
360-24686-A-17-A~^10	OC-SB-473-0.0/1.0-XXX		T	
CCV~460-17979/92		7199		
CCB~460-17979/93		7199		
360-24686-A-18-A~^10	OC-SB-473-13/15-XXX			Sample on hold as of 9/28/09 colorless
360-24686-A-18-A~^10	OC-SB-473-13/15-XXX			Sample on hold as of 9/28/09
360-24686-A-19-A~^10	OC-SB-473-4.0/6.0-XXX		T	colorless
360-24686-A-19-A~^10	OC-SB-473-4.0/6.0-XXX		T	
360-24582-A-25-B~PDS~^40			T	
360-24582-A-25-B~PDS~^40		7199	T	
CCV~460-17979/100		7199		

General Chemistry Worksheet

Batch Number: 460-17979
Method: 7199
Analyst: Earomirski, Laura

Date Open: Sep 24 2009 2:21PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~460-17979/10 1		7199		

Batch Comment:

Curve: IC (0861-0866) 09 exp: 9/24/09

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	6.0 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 2

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	1.0 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582
Creator: Meyers, Gary
List Number: 1

List Source: TestAmerica Edison
List Creation: 09/15/09 03:56 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0 °C IR #68
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582
Creator: Meyers, Gary
List Number: 2

List Source: TestAmerica Edison
List Creation: 09/17/09 06:02 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0 °C IR #98
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582
Creator: Meyers, Gary
List Number: 3

List Source: TestAmerica Edison
List Creation: 09/18/09 09:56 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24582-1
SDG Number: OCRI-15

Login Number: 24582
Creator: Bellarmine, Prabhu J
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 09/15/09 02:11 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TAL-Soil

360-24582

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:___	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP___ Superfund ___	Phone: Email	
Standard___ Rush___ (Lab Approval Required)	Report Requirements Level IV Package ___ Level II Package ___		
	EDD Requirements: MACTEC EQUIS EZ EDD ___	Job # ___	Quote # ___
		Lab SDG # ___	PO # ___

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME V	G	G	G	G	ME V	G	G	G	G	G	G	G	G	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-457-28/30-XXX	9/14/2009 11:30:00	T	FS	SO	G	8	X	X	X	X			X		X	X			X	X	Category 1
OC-TBK-018	9/14/2009 2:15:00 PM	T	TB	SO	G	3	X														Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature] Date: 9/14/09 Time: 1430 Received: [signature] Date: 9/14/09 Time: 1430

Relinquished: [signature] Date: 9/14/09 Time: 1750 Received: [signature] Date: 9/14/2009 Time: ___

Cooler? Y / N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 6.0°C Deg C

Preservation / pH checked? Y / N

By: KA Date: 9/14/09

TAL - Edison NJ - Soil

36024582

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP____ Superfund ____	Phone: Email	
Standard_____ Rush_____ (Lab Approval Required)	Report Requirements Level IV Package ____ Level II Package ____		
	EDD Requirements: MACTEC EQUIS EZ EDD _____	Job # _____	Quote # _____
		Lab SDG #_____	PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)													Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)			Comments (Special Instructions)
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zn	-	-	<--Preservative Type (4)
							G	P	G	V	V	V													AG	AV			<--Bottle Type (5)
OC-SB-457-28/30-XXX	9/14/2009 11:30:00	T	FS	SO	G	1	X																						Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature]	Date: 9/14/09	Time: 1420	Received: [signature]	Date: 9/14/09	Time: 1450
Relinquished: [signature]	Date: 9/14/09	Time: 1750	Received: [signature]	Date: 9/14/2009 @1750	Time:

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 6.0°C Deg C	
Preservation / pH checked? Y / N	
By: [signature]	Date: 9/14/09

TAL-Water

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

Page 3 of 4

360-24582

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (8260B)	SVOA and TICs (8270C)	NDMA/NDPA (WS-MS-0012)*	Diphenylamine (8270C)**	Pesticides (8081)	PCBs (8082)	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B/7470A)	Anions (EPA 300)***	Amonnia (LACHAT)	Alkalinity (SM 2320B)	Hardness (SM 2340B)	pH (SM 4500)	Conductivity (SM 2510B)	TDS (SM 2540C)	TSS (SM 2540D)	TOC (Lloyd Kahn)	COD (EPA 410.4)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Mod 8000 - HPLC)*	Alkylphenols (WS-MS-0010)*	Herbicides (8151A)	Comments (Special Instructions)
							HA	-	-	-	-	-	HA	HA	NI	-	SA	-	NI	-	-	-	-	SA	SA	-	-	SA	-	<--Preservative Type (4)
							V	AG	AG	AG	AG	AG	AG	V	P	P	P	P	P	P	P	P	P	AG	P	AG	V	AG	AG	<--Bottle Type (5)
OC-EBK-010	9/14/2009 1:00:00 PM	T	EB	BW	G	15	X	X		X					X	X	X									X	X			Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = NDMA analyzed at TAL-West Sacramento, CA
* = Alkylphenols analyzed at TAL-West Sacramento, CA
* = Phthalic Anhydride analyzed at TAL-West Sacramento, C
* = Formaldehyde analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride, Nitrate, Nitrite, Flouride, Bromid

Relinquished: [signature] Date: 9/14/09 Time: 1430 Received: [signature] Date: 9/14/09 Time: (1430)

Relinquished: [signature] Date: 9/14/09 Time: 1750 Received: [signature] Date: 9/14/2009 Time: @1750

Cooler (Y) N	MADEP Requirement
	Samples Iced (Y) N
Temp @ receipt: 6.0°C Deg C	
Preservation / pH checked? (Y) N	
By: Kim	Date: 9/14/09

10/13/2009

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

3b0 24582

Page 4 of 6

360 24582

Tuesday 9/15/09
Pick up

TAL-Soil

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email: SGMorrow@olin.com Email Rpt:____	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP____ Superfund ____	Phone: Email	
Standard_____ Rush_____ (Lab Approval Required)	Report Requirements Level IV Package ____ Level II Package ____		
	EDD Requirements: MACTEC EQUIS EZ EDD _____	Job # _____	Quote # _____
		Lab SDG #_____	PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phthalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME V	G	G	G	G	ME V	G	G	G	G	G	G	G	G	<--Preservative Type (4)
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	<--Bottle Type (5)
OC-SS-400-0.0/1.0-XXX	9/14/2009 2:40:00 PM	T	FS	SO	G	4	X	X					X		X	X					Category 1
OC-SS-401-0.0/1.0-XXX	9/14/2009 3:05:00 PM	T	FS	SO	G	4	X	X					X		X	X					Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Cooler ? Y / N
MADEP Requirement
Samples Iced ? Y / N
Temp @ receipt: 1.6 Deg C
Preservation / pH checked? Y / N
By: JM Date: 9/15/09

Relinquished: [signature] Date: 9/15/09 Time: 1430 Received: [signature] Date: 9/15/09 Time: 1430
Relinquished: [signature] Date: 9/15/09 Time: 1640 Received: [signature] Date: 9/15/09 Time: 1640

360 24582

TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (C)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Ammonia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phthalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
OC-SS-402-0.0/1.0-XXX	9/14/2009 3:30:00 PM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SS-403-0.0/1.0-XXX	9/14/2009 3:50:00 PM	T	FS	SO	G	1								X															Category 1
OC-SS-404-0.0/1.0-XXX	9/14/2009 4:10:00 PM	T	FS	SO	G	5	X	X					X	X	X	X													Category 1
OC-SS-405-0.0/1.0-XXX	9/14/2009 4:30:00 PM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SS-406-0.0/1.0-XXX	9/15/2009 8:35:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SS-407-0.0/1.0-XXX	9/15/2009 9:05:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SS-408-0.0/1.0-XXX	9/15/2009 9:30:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SS-409-0.0/1.0-XXX	9/15/2009 10:00:00	T	FS	SO	G	5	X	X					X	X	X	X													Category 1

Special Instructions For Lab

Notes:

1) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished:	Date: 9/15/09	Time: 1430	Received:	Date: 9/15/09	Time: 1630
Relinquished:	Date: 9/15/09	Time: 1640	Received:	Date: 9/15/09	Time: 1640

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 1.0 Deg C	
Preservation / pH checked? Y / N	
By: JM	Date: 9/15/09

360 24582

TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phthalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME V	G	G	G	G	ME V	G	G	G	G	G	G	G	G	<--Preservative Type (4)
																					<--Bottle Type (5)
OC-SS-410-0.0/1.0-XXX	9/15/2009 10:15:00	T	FS	SO	G	1								X							Category 1
OC-SS-411-0.0/1.0-XXX	9/15/2009 10:55:00	T	FS	SO	G	4	X	X					X		X	X					Category 1
OC-SS-412-0.0/1.0-XXX	9/15/2009 11:20:00	T	FS	SO	G	5	X	X					X	X	X	X					Category 1
OC-SS-413-0.0/1.0-XXX	9/15/2009 11:30:00	T	FS	SO	G	1								X							Category 1
OC-SS-414-0.0/1.0-XXX	9/15/2009 11:55:00	T	FS	SO	G	4	X	X					X		X	X					Category 1
OC-SS-415-0.0/1.0-XXX	9/15/2009 12:15:00	T	FS	SO	G	4	X	X					X		X	X					Category 1
OC-SS-416-0.0/1.0-DUP	9/15/2009 12:40:00	T	FD	SO	G	5	X	X					X	X	X	X					Category 1
OC-SS-416-0.0/1.0-MSD	9/15/2009 12:40:00	T	MS	SO	G	5	X	X						X							Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, ZN = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: [signature] Date: 9/15/09 Time: 1430 Received: [signature] Date: 9/15/09 Time: 1430

Relinquished: [signature] Date: 9/15/09 Time: 1640 Received: [signature] Date: 9/15/09 Time: 1640

Cooler? Y / N

MADEP Requirement

Samples Iced? Y / N

Temp @ receipt: 1.0 Deg C

Preservation / pH checked? Y / N

By: M Date: 9/15/09

360 24582

TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Ammonia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phthalic Anhydride (Mod 8000 HPLC) (G)						Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			<--Preservative Type (4) <--Bottle Type (5)	Comments (Special Instructions)
OC-SS-416-0.0/1 0-XMS	9/15/2009 12:40:00	T	MS	SO	G	5	X	X					X	X	X	X												Category 1
OC-SS-416-0.0/1.0-XXX	9/15/2009 12:40:00	T	FS	SO	G	5	X	X					X	X	X	X												Category 1
OC-TBK-~~016~~ 019 Rom 9/16/09	9/15/2009 12:00:00	T	TB	SO	G	3	X																					Category 1

ID Change Per Tige Cunningham Rom 9/16/09

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: Tige [illegible] Date: 9/15/09 Time: 1430 Received: [illegible] Date: 9/15/09 Time: 1430

Relinquished: Jerry [illegible] Date: 9/15/09 Time: 1640 Received: [illegible] Date: 9/15/09 Time: 1640

Cooler (Y / N)	MADEP Requirement
	Samples Iced? (Y / N)
Temp @ receipt: 1.0 Deg C	
Preservation / pH checked? Y / (N)	
By: JM	Date: 9/15/09

360 24582

TAL-Soil Edison NJ

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200 Cleveland, TN 37312	Work Site ID:	Wilmington, MA
		Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job # _____	Quote # _____
Lab SDG # _____	PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Dpex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Comments (Special Instructions)
							G	P	G	V	V	V	AG	AV	<--Preservative Type (4)
															<--Bottle Type (5)
OC-SS-416-0.0/1.0-DUP	9/15/2009 12:40:00	T	FD	SO	G	1	X								Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate EB = Equipment Blank, MS – Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample. FB = Field Blank

3.) Sample Matrix: GW = Groundwater SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide Zn – Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type G = Glass, P = Plastic V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial.

Relinquished: [signature] Date: 9/15/09 Time: 1450 Received: [signature] Date: 9/15/09 Time: 1450

Relinquished: [signature] Date: 9/15/09 Time: 1640 Received: [signature] Date: 9/15/09 Time: 1640

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 1.6 Deg C	
Preservation / pH checked? Y / N	
By: JH	Date: 9/15/09

360-24582

Page 6 of 7

Edison, NJ

TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	<--Preservative Type (4)	<--Bottle Type (5)	Comments (Special Instructions)
							G	P	G	V	V	V	AG	AV	Zn		
OC-SS-416-0 0/1.0-XMS	9/15/2009 12:40:00	T	MS	SO	G	1	X										Category 1
OC-SS-416-0.0/1.0-XXX	9/15/2009 12:40:00	T	FS	SO	G	1	X										Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes FS = Field Sample, TB = Trip Blank, FD = Field Duplicate EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix GW = Groundwater, SW = Surface Water DW = Drinking Water SO = Soil, SD = Sediment BW = Blank Water, NAL = Non-Aqueous Liquid PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial.

Relinquished: [signature] Date: 09/15/09 Time: 1430 Received: [signature] Date: 9/15/09 Time: 1430

Relinquished: [signature] Date: 9/15/09 Time: 1640 Received: [signature] Date: 9/15/09 Time: 1640

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 1.0 Deg C	
Preservation / pH checked? Y / N	
By: JM	Date: 9/15/09

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

360 24582
Page 7 of 7