Note for Cindy on Reverse

BNA (SVOC's) Technical Review Checklist (TRC) Checklist
For Internal Use Only

Site Name: SEMOCK WO#: 1202004
Analyst: Eric Graybill Date given to Reviewer:
Matrix (circle): Solid / Aqueous / Other: SOP: R3-QA201
Program (circle): Superfund / RCRA / WPD (NPDES) / SDWA / Other:

The signature below indicates the following: -29

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

Peer Reviewer signature Steve Wilding Date accepted 3-5-12

If any data for this case is stored with another case file, give Site Name and WO:

Peer Reviewer Completes Section Below:

General:	YES	NO	Comments
Raw data is identified with sample ID, site name, WO#, analyst name, date of analysis.	✓		
Quality Control:			
Instrument Conditions:			
DFTPP frequency and acceptance criteria met	✓		
Initial curve acceptable	✓		
Continuing calibration acceptable	✓		
Internal standard area counts within criteria	✓		
Lab blank frequency and acceptance criteria met	✓		
Second source (QCS/LCS) acceptable	✓		
B.S. frequency and acceptance criteria met	✓		Sameout - see back comments
Sample Analysis:			
Surrogate recovery acceptance criteria met	✓		
Matrix spike frequency and accept. criteria met	✓		
Technical holding times met	✓		
Documentation:			
Run logs, supporting documentation reviewed	✓		
Sample preparation described	✓		
Spectral and retention time verification	✓		
Manual integration verified and documented	✓		
Data qualified as appropriate	✓		
Documentation is legible and complete	✓		
TICS reviewed	✓		
Narrative reviewed	✓		

Please pay attention Cindy!!

Sample -29 has trace level???

Calculations/Report:

Calculations and transcriptions checked	✓		
Element Draft Report reviewed	✓		
Deviations and problems documented	✓		
Problematic Compounds Reviewed/Verified	✓		

Additional Comments by Peer Reviewer:

- Sample 1202004-29 was re extracted from O&G aliquots These are in a different bottle and also had H_2SO_4 preservative added in the field.
There are trace levels found in sample - but these are below previous established MDL and it is uncertain ~~whether~~ since no blanks were available from these bottles & preservative
- I Recommend not reporting or w/ "R"
Statement needed that cautions these results
EXAMPLE:
- Trace levels of cmpds were found in re-extraction of sample 1202004-29. These levels were established Below Detection Limits. ~~Results are quali~~ These are suspected to be laboratory contamination and are qualified "R". EDJ 3/2/12
- What about recovery of 3-nitroaniline & atrazine? (raise QL)

[use same wording as other WO.] - No "R" EDJ 3/2/12

Analyst Ensures that the Data Case File is Complete and Accurate:

- ✓ Sample list (bench sheet or work order report)
- ✓ Sample prep / Instrument run logs
- ✓ Standard/Reagent prep logs
- ✓ Perform necessary calculations
- ✓ Raw data
- ✓ Element Peer Review report
- ✓ Data status set to analyzed
- ✓ Check Internal Std Area counts

Additional Comments by Analyst on data issues:

BS1 No 2,4-dinitrophenol, 3,3'-dichlorobenzidine, 2-methoxyethanol
BS2 No 3,3'-dichlorobenzidine, 2-methoxyethanol → "R"
CCV Sout: N-Nitrosodimethylamine, bis(2-chloroisopropyl) ether, 2,4-dinitrophenol, 4-nitrophenol, benzo(k) fluoranthene
initial cal Sout: Naphthalene, Acenaphthylene, 2,4-dinitrophenol, fluorene, Anthracene
SCV Sout w/ 5 less than 1%: N-Nitrosodimethylamine, Naphthalene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, N-Nitrosodiphenylamine, Anthracene, di-n-butyl phthalate, 3,3'-dichlorobenzidine

EDJ 3/2/12
BS1 - 4-chloroaniline low also 3-nitroaniline & atrazine
BS2 - 4-chloroaniline low also 3-nitroaniline

On-Demand Data Checklist
(used in addition to routine TRC)
For Internal Use Only

Parameter: SVOCs
Procedure/Method/Reference: Writeup/CLP/3520C

Site Name: DIMOCK WO#: 1202004
Analyst: Eric Graybill

The signature below indicates the following:
• The analysis was performed as per the On-Demand requirements below.

Peer Reviewer signature Steve Willelsey Date accepted 3-1-12

Peer Reviewer Completes Section Below:

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

Quality Control:	**YES**	**NO**	**N/A**	**Comments**
A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.	✓			
Calibration of the instrumentation or analytical procedure must be according to the method or procedure.	✓			
Calibration verified by analysis of second source standard (SCV, SRM), if available. Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.	✓			
Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.	✓			
Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, a BS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.	✓			
Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g, insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be				

within the method, procedure, client or in-house limits. ✓

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits. ✓

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires should be analyzed. Results must be within the method or, procedure limits. ✓

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file. ✓

Additional Comments:

See TRC

Appendix C

Manual Integration Summary Form

Site Name: DIMECK Work Order Number: 1202004

Check all reasons that apply:

( ) Manual integration performed to properly integrate unresolved peaks.

( ) Manual integration performed to separate closely eluting peaks with the same quantitation ion.

( ) Manual integration performed to remove coeluting interferent.

( ) Manual integration performed to add a non-detected peak.

(✓) Manual integration performed to identify correct peak.

( ) Manual integration performed due to peak splitting.

( ) Manual integration performed due to failure of the instrument response to return to baseline or a rise in the baseline.

( ) Manual integration performed to employ peak skimming due to coeluting peaks.

( ) Manual integration performed due to poor chromatography (peak shape).

Additional Notes:

Analyst: Eric Graybill / E D Date:

Peer Reviewer: Steve Wilding Date: 3-1-12

Rev. 5/4/11

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Summary of Results / Project Information

On Demand Analysis: SVOCs by GC/MS
Submitted by Eric Graybill, OASQA Chemist
2/2/2012

All samples are extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D.

Analytes

Samples are analyzed for Acenaphthene (CAS # 83-32-9), Acnapthtylene (CAS# 208-96-8), Acetophenone (CAS# 98-52-4), Acetophenone (CAS #98-52-4), Anthracene (CAS #120-12-7), Atrazine (CAS #1912-24-9), Benzaldehyde (CAS #100-52-7), Benzo(a)anthracene (CAS #56-55-3), Benzo(a)pyrene (CAS #50-32-8), Benzo(b)fluoranthene (CAS #205-99-2), Benzo(g,h,i)perylene (CAS #191-24-23), Benzo(k)fluoranthene (CAS #207-08-9), 1,1'-Biphenyl (CAS #92-52-4), bis(2-Chloroethoxy)methane (CAS #111-91-1), bis(2-Chloroethyl)ether (CAS #111-44-4), bis(2-Chloroisopropyl)ether (CAS #108-60-1), bis(2-Ethylhexyl)phthalate (CAS #117-81-7), 4-Bromophenylphenylether (CAS #101-55-3), Butylbenzylphthalate (CAS #85-68-7), Carbazole (CAS #86-74-8), Caprolactam (CAS #105-60-2), 4-Chloroaniline (CAS #106-47-8), 4-Chloro-3-methylphenol (CAS #59-50-7), 2-Chloronaphthalene (CAS #91-58-7), 2-Chlorophenol (CAS #95-57-8), 4-Chlorophenylphenylether (CAS #7005-72-3), Chrysene (CAS #218-01-9), Dibenzo(a,h)anthracene (CAS #53-70-3), Dibenzofuran (CAS #132-64-9), 3,3'-Dichlorobenzidine (CAS #91-94-1), 2,4-Dichlorophenol (CAS #120-83-2), Diethylphthalate (CAS #84-66-2), 2,4-Dimethylphenol (CAS #105-67-9), Dimethylphthalate (CAS #131-11-3), Di-n-Butylphthalate (CAS #87-74-2), 4,6-Dinitro-2-methylphenol (CAS #534-52-1), 2,4,-Dinitrophenol (CAS #51-28-52), 2,4-Dinitrotoluene (CAS #121-14-2), 2,6-Dinitrotoluene (CAS #606-20-2), Di-n-Octylphthalate (CAS #117-84-0), Fluoranthene (CAS #206-44-0), Fluorene (CAS #86-73-7), Hexachlorobenzene (CAS #118-74-1), Hexachlorobutadiene (CAS #87-68-3), Hexachlorocyclopentadiene (CAS #77-47-4), Hexachloroethane -(CAS #67-72-1), Indeno(1,2,3-cd)pyrene (CAS #193-39-5), Isophorone (CAS #78-59-1), 2-Methylnaphthalene (CAS #91-57-6), 2-Methylphenol (CAS #95-48-7), 4-Methylphenol (CAS #106-44-5), Naphthalene (CAS #91-20-3), 2-Nitroaniline (CAS #88-74-4), 3-Nitroaniline (CAS #99-09-2), 4-Nitroaniline (CAS #100-01-6), Nitrobenzene (CAS #98-95-3), 2-Nitrophenol (CAS #88-75-5), 4-Nitrophenol (CAS #100-02-7), N-Nitrosodimethylamine (CAS #62-75-9), N-Nitroso-di-n-propylamine (CAS #921-64-7), N-Nitrosodiphenylamine (CAS #86-30-6), Pentachlorophenol (CAS #87-86-5), Phenanthrene (CAS #85-01-8), Phenol (CAS #108-95-2), Pyrene (CAS #129-00-0), 1,2,4,5-Tetrchlorobenzene (CAS #95-94-3), 2,4,5-Trichlorophenol (CAS #95-95-4), 2,4,6-Trichlorophenol (CAS #88-06-2), 2,3,4,6-Tetrachlorophenol (CAS #58-90-2), 2-Methoxyethanol (CAS #109-86-4), and 1-Methylnapthalene (CAS #90-12-0).

Instrumentation

Agilent 6890/5975 GCMS with a HP-5MS (Agilent Part# 19091S-433) 30 meter by 0.25 mm diameter by 0.25 micron film. The Oven temperature uses an initial temperature of 50 °C and hold 0.5 minutes, ramp at 23 °C/min to 290, and ramp at 15 °C/min to 320 and hold for 4.50 minutes. A constant flow of 1.2 mL/min using pulsed splitless with initial temperature of 250 °C, pressure of 9.78 psi, pulse pressure of 30 psi, pulse time of 0.4 minutes, purge flow of 60 mL/min, purge time of 0.4 minutes, and total flow of 63.8 mL/min. Mass Spectrum is scanned from 35 m/z to 500 m/z with a MS source temperature of 230 °C, and MS Quad of 150 °C.

QC Notes
The following internal standards are used 1,4-dichlorobenzene-d4 (CAS # 3855-82-1), Naphthalene-d8 (CAS # 1146-65-2), Acenaphthene-d10 (CAS# 15067-26-2), Phenanthrene-d10 (CAS# 1517-22-2), Chrysene-d12 (CAS# 719-03-5), and Perylene-d12 (CAS# 1520-96-3). Surrogates used are Phenol-d5 (CAS# 4165-62-2), 2-Fluorophenol (CAS# 367-12-4), 2,4,6-Tribromophenol (CAS# 118-79-6), Nitrobenzene-d5 (CAS# 4165-60-0), 2-Fluorobiphenyl (CAS# 321-60-8), and Terphenyl-d14 (CAS# 1718-51-0).

Acceptable RRFs are 20%.; Other compounds with higher RRFs are Benzaldehyde (40%), bis(2-Chloroisopropyl)ether (35%), Acetophenone (40%), 4-Chloroaniline (40%), Hexachlorobutadiene (35%), Caprolactam (40%), 1,2,4,5-Tetrachlorobenzene (40%), Hexachlorocyclopentadiene (35%), 1,1'-Biphenyl (40%), 2-Nitroaniline (40%), Dimethylphthalate (35%), 3-Nitroaniline (40%), 2,4-Dinitrophenol (35%), 4-Nitrophenol (35%), Diethylphthalate (35%), 4-Nitroaniline (40%), 4,6-Dinitro-2-methylphenol (35%), N-Nitrosodiphenylamine (35%), Atrazine (40%), Carbazole (40%), Di-n-butylphthalate (35%), Butylbenzylphthalate (35%), 3,3'-Dichlorobenzidine (35%), bis(2-Ethylhexyl)phthalate (35%), and Di-n-octylphthalate (35%).

A continuing calibration is run at the midrange of the curve (60 ppb – 40 ppb). Acceptable continuing calibration RPD is +/- 20%. The following compounds are higher than 20%: Benzaldehyde (+/- 40%), Acetophenone (+/- 40%), 4-Methylphenol (+/- 25%), 4-Chloroaniline (+/- 40%), Caprolactam (+/- 40%), 2-Methylnaphthalene (+/- 25%), 1,2,4,5-Tetrachlorobenzene (+/- 40%), 2,4,5-Trichlorophenol (+/- 25%), 1,1-Biphenyl (+/- 40%), 2-Nitroaniline (+/- 40%), 3-Nitroaniline (+/- 40%), 2,3,4,6-Tetrachlorophenol (+/- 25%), Dibenzofuran (+/- 25%), 4-Nitroaniline (+/- 40%), Atrazine (+/- 40%), and Carbazole (+/- 40%).
Limits for surrogate recoveries are Phenol-d5 (10-110%), 2-Fluorophenol (21-110%), 2,4,6-Tribromophenol (10-123%), Nitrobenzene-d5 (35-114%), 2-Fluorobiphenyl (43-116%), and Terphenyl-d14 (33-141%).

DFTPP acceptance criteria are as follows: Mass 51 30 – 60% of mass 198, Mass 68 Less than 2% of mass 69, Mass 69 present, Mass 70 Less than 2% of mass 69, Mass 127 40 – 60% of mass 198, Mass 197 Less than 1% of mass 198, Mass 198 Base peak, 100% relative abundance, Mass 199 5 – 9% of mass 198, Mass 275 10 – 30% of mass 198, Mass 365 Greater than 1% of mass 198, Mass 441 Present but less than mass 443, Mass 442 Greater than 40% of mass 198, and Mass 443 17 – 23% of mass 442.

Calibration
Initial calibration standard is prepared from Restek Stocks (OLM 01.1 Revised SV Megamix (Cat #31900), Additions Standard (Cat #31902), and N-Nitrosodimethylamine Standard (Cat #31427)) from 5 ppb – 80 ppb (5 ppb, 10 ppb, 20 ppb, 40 ppb, 60 ppb, and 80ppb). Internal standards were added using Restek (Cat# 31206) at 20 ppb. Surrogates were added using Restek B/N Surrogate Mix (Cat# 31062) at 50ppb and Restek Acid Surrogate Mix (Cat# 31063) at 100 pbb.
2-Methoxyethanol (5 ppb – 77 ppb; 5 ppb, 10 ppb, 19 ppb, 39 ppb, 58 ppb, and 77 pbb) and 1-Methylnapthalene (5 ppb – 80 ppb; 5 ppb, 10 ppb, 20 ppb, 40 ppb, 60 ppb, and 80ppb) were

prepared in a separate curve using Supleco (Cat# 4-8162) and AccuStandard (Cat# PS-160-01-9766).

A second source was prepared at 60 ppb from Supelco Stocks (TCL Base-Neutrals Mix 1 (Cat #48900-U), TCL Base-Neutrals Mix 2 (Cat# 48120-U), 3,3-Dicholorbenzidine (Cat #48029), TCL Hazardous Substances Mix 1 (Cat# 488907), TCL Hazardous Substances Mix 2 (Cat #48908), TCL Phenols Mix (Cat# 48904), and TCL PAHs (Cat #48904), and EPA CLP SOW OLM04 BNA Mix (Cat #47514-U). No second source was available for 2-Methoxyethanol. 1-Methylnaphthalne second source was from AccuStandard (Cat# H-001S). A second source was not used for 1,2,4,5-Tetrachlorobenzene and 2,3,4,6-Tetrachlorophenol.

4-methylphenol and 3-methylphenol coelute and have identical ion spectrum. The Restek stock (OLM 01.1 Revised SV Megamix (Cat #31900)) contains both with each at half the concentration of the other analytes so when summed together a concentration the same as the other analytes. The Supelco stock TCL Hazardous Substances Mix 1 (Cat# 488907) contains only 4-methylphenol. It has been chosen to report as 4-methylphenol.

Integration Information
Chemstation software adds the letter "m" to indicate a manual integration. The OASQA manual integration checklist is included in the case file.

Extraction
A 1-L aliquot is acidified to a pH of 2.0 and a solution of surrogates (1.0 mL at 100/50 ug/mL) is added before extraction with methylene chloride using continuous liquid-liquid extraction. The extract is concentrated to 1 mL, internal standards are added, and then analyzed by GC/MS.

Matrix Spikes and Blank Spikes
A low spike (5 ppb) and a mid spike (60 ppb) are performed with every set of samples. The Matrix Spike and Matrix Spike Duplicate are spiked at the 60 ppb level. Matrix Spike and Matrix Spike Duplicate requires additional sample volume and is not always provided.

16 compounds plus 2-Methoxyethanol and 1-Methylnaphthalne are reported with the following percent recovery criteria: Phenol 12-110%, 2-Chlorophenol 27-123%, 4-Nitrophenol 10-80%, Pentachlorophenol 9-103%, 4-Chloro-3-methylphenol 23-97%, Benzo(a)pyrene 17-163%, Bis(2-chloroethyl)ether 12-158%, Diethyl phthalate 10-114%, 2,4-Dinitrotoluene 24-96%, Hexachlorobenzene 10-152%, Hexachloroethane 40-113%, Isophorone 21-196%, Naphthalene 21-133%, N-Nitroso-di-n-propylamine 41-116%, N-Nitrosodiphenylamine 30-150%, 4-Chloroaniline 30-150%, 2-Methoxyethanol 30-150%, and 1-Methylnaphthalne 30-150%.

In addition other compounds are examined for acceptable recovery as provided: Acenaphthene 60.1-132.3%, Acenaphthylene 53.5-126.0%, Acetophenone 30-150%, Anthracene 43.4-118.0%, Atrazine 30-150%, Benzaldehyde 30-150%, Benzo[a]anthracene 41.8-133.0%, Benzo[b]fluoranthene 42.0-140.4%, Benzo[k]fluoranthene 25.2-145.7%, Benzo[g,h,i]perylene D-195.0%, 1,1'-Biphenyl 30-150%, Bis(2-chloroethoxy)methane 49.2-164.7%, Bis(2-chloroisopropyl)ether 62.8-138.6%, Bis(2-ethylhexyl)phthalate 28.9-136.8%, 4-Bromophenyl-phenylether 64.9-114.4%, Butylbenzylphthalate D-139.9%, Caprolactam 30-150%, Carbazole

30-150%, 2-Chloronaphthalene 64.5-113.5%, 4-Chlorophenyl-phenylether 38.4-144.7%, Chrysene 44.1-139.9%, Dibenzo[a,h]anthracene D-199.7%, Dibenzofuran 30-150%, 3,3'-Dichlorobenzidine 8.2-212.5%, 2,4-Dichlorophenol 52.5-121.7%, 2,4-Dimethylphenol 41.8-109.0%, Dimethylphthalate D-100.0%, Di-n-butylphthalate 8.4-111.0%, 4,6-Dinitro-2-methylphenol 53.0-100.0%, 2,6-Dinitrotoluene 68.1-136.7%, 2,4-Dinitrophenol D-172.9%, Di-n-octylphthalate 18.6-131.8%, Fluoranthene 42.9-121.3%, Fluorene 71.6-108.4%, Hexachlorobutadiene 37.8-102.2%, Hexachlorocyclopentadiene D-104%, Indeno[1,2,3-cd]pyrene D-150.9%, 2-Methylnaphthalene 30-150%, 2-Methylphenol 30-150%, 4-Methylphenol 30-150%, 2-Nitroaniline 30-150%, 3-Nitroaniline 30-150%, 4-Nitroaniline 30-150%, Nitrobenzene 54.3-157.6%, 2-Nitrophenol 45.0-166.7%, N-Nitrosodimethylamine 30-150%, Phenanthrene 65.2-108.7%, Pyrene 69.6-100.0%, 2,4,5-Trichlorophenol 30-150%, and 2,4,6-Trichlorophenol 52.4-129.2%.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #: DAS R33907**

Report Narrative

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	Project #: DAS R33907

Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:
This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202004-02, -04, -07, -09, -14, -16, -19, -20 and 1202004-33 thru -44 are not included in this report since these samples were designated for Metals and Mercury analyses only.

For Work Order 1202004 - **This is Report 2 of 3.**

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

The sample vial for the Glycols analysis was received broken for 1202004-22. All samples were received at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

SVOAs Analysis Note:
All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

Results for sample 1202004-29 are suspect. Although, all QC and lab blanks are acceptable for sample 1202004-29, low levels of certain compounds detected indicate possible glassware contamination.

For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic, the results from the HPLC/MS/MS technique should be used for these samples.

For most samples, quantitation limits for 2-methoxyethanol, 3,3'-dichlorobenzidine, and 2,4-dinitrophenol are elevated due to zero percent recovery in the low-spike quality control check. For a few samples, quantitation limits for 4,6-dinitro-2-methylphenol, 3-nitroaniline, and atrazine are elevated due to low percent recovery in the low-spike quality control check. For several samples quantitation limit for 4-chloroaniline, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol ,and

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Report Narrative

pentachlorophenol are elevated due to low percent recovery in the low-spike quality control check. Results for the mid-level quality control check are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For sample 1202004-29 due to zero percent recovery in the mid-spike quality control check the results for 2-methoxyethanol and 3,3'-dichlorobenzidine are qualified "R".

The mid-spike quality control check broke during extraction and was not analyzed. A mid-spike quality control check was extracted and analyzed with two other batches in the 1202004 work order.

The matrix spike duplicate had multiple %RSD out of limit and were qualified "A". This is due to the matrix spike having low recovery due to dilution with sample 1202004-29 after concentrating. Sample 1202004-29 was reextracted.

Four out of six surrogates were out of limits low in sample 1202004-08 and qualified "A" while quantitation limits are qualified estimated "UJ" for all nondected analytes. Low internal standard counts were observed in sample 1202004-32 and n-nitrosodimethylamine, benzaldehyde, phenol, bis(2-chloroethyl)ether, 2-chlorophenol, 2-methylphenol, bis(2-chloroisopropyl)ether, acetophenone, 4-methylphenol, hexachloroethane, n-nitroso-di-n-propylamine, and 1-methylnaphthalene are qualified estimated "UJ".

In the report, only 16 compounds are reported for spike quality control check samples. Quality control information about the additional compounds is available in the case file.

VOA Analysis Note:
Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 140%. A mid level second source blank spike analyzed at a concentration of 5 ug/L had a recovery of 95%. A matrix spike and matrix spike duplicate pair was prepared using sample 1202004-28 at a concentration of 5 ppb acrylonitrile with recoveries of 109% and 109 %, RPD=0. A second matrix spike and matrix spike duplicate pair was prepared using sample 1202004-30 at a concentration of 5 ppb acrylonitrile with recoveries of 110% and 101 %, RPD=9.

2-Chloroethylvinyl ether is not included in the analysis. 2-Chloroethylvinyl ether breaks down in acidified samples.

Alcohols Analysis Note:
All required instrument QC was run and was within the required criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW48	1202004-01	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW48z	1202004-03	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW21	1202004-06	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW21z	1202004-08	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW23-P	1202004-11	Drinking Water	2/08/12 15:39	2/10/12 11:20
HW22	1202004-13	Drinking Water	2/09/12 10:42	2/10/12 11:20
HW23	1202004-15	Drinking Water	2/08/12 15:42	2/10/12 11:20
HW22-P	1202004-17	Drinking Water	2/09/12 10:50	2/10/12 11:20
HW36n	1202004-21	Drinking Water	2/10/12 10:53	2/11/12 10:04
HW49	1202004-22	Drinking Water	2/09/12 14:11	2/11/12 10:04
HW16-P	1202004-23	Drinking Water	2/10/12 11:37	2/11/12 10:04
HW54-P	1202004-24	Drinking Water	2/10/12 14:30	2/11/12 10:04
FB14	1202004-25	Water	2/09/12 13:36	2/11/12 10:04
HW16z	1202004-26	Drinking Water	2/10/12 11:22	2/11/12 10:04
HW16	1202004-27	Drinking Water	2/10/12 11:21	2/11/12 10:04
HW44	1202004-28	Drinking Water	2/09/12 14:49	2/11/12 10:04
HW49-P	1202004-29	Drinking Water	2/09/12 14:26	2/11/12 10:04
HW36n-P	1202004-30	Drinking Water	2/10/12 11:02	2/11/12 10:04
FB15	1202004-31	Water	2/10/12 11:21	2/11/12 10:04
HW54	1202004-32	Drinking Water	2/10/12 14:08	2/11/12 10:04

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW48
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-01
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 14:48	R3QA201
Diethyl phthalate	0.013	B, J	4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 14:48	R3QA201
Di-n-butyl phthalate	0.252	B, J	4.76	1	02/12/12	02/15/12 14:48	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48	**Lab ID:** 1202004-01
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 14:48	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	69.4		73 %	*21-110*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: Phenol-d5	74.3		78 %	*10-110*	02/12/12	02/15/12 14:48	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48	**Lab ID:** 1202004-01
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	35.7		**75 %**	*35-114*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.6		**77 %**	*43-116*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.3		**77 %**	*10-123*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: Terphenyl-d14	39.4		**83 %**	*33-141*	02/12/12	02/15/12 14:48	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW48z
Lab ID: 1202004-03
Sample Matrix: Drinking Water
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 15:38	R3QA201
Diethyl phthalate	0.012	B, J	4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 15:38	R3QA201
Di-n-butyl phthalate	0.417	B, J	4.76	1	02/12/12	02/15/12 15:38	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48z	**Lab ID:** 1202004-03
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 15:38	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.9		65 %	*21-110*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: Phenol-d5	70.7		74 %	*10-110*	02/12/12	02/15/12 15:38	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48z	**Lab ID:** 1202004-03
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.0		**71 %**	*35-114*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.0		**76 %**	*43-116*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.1		**77 %**	*10-123*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: Terphenyl-d14	38.3		**80 %**	*33-141*	02/12/12	02/15/12 15:38	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 16:29	R3QA201
Diethyl phthalate	0.017	B, J	5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 16:29	R3QA201
Di-n-butyl phthalate	0.509	B, J	5.00	1	02/12/12	02/15/12 16:29	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW21
Lab ID: 1202004-06
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 16:29	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	73.4		73 %	*21-110*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: Phenol-d5	77.7		78 %	*10-110*	02/12/12	02/15/12 16:29	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	38.2		**76 %**	*35-114*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: 2-Fluorobiphenyl	40.2		**80 %**	*43-116*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	80.3		**80 %**	*10-123*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: Terphenyl-d14	42.0		**84 %**	*33-141*	02/12/12	02/15/12 16:29	*R3QA201*

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Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW21z
Lab ID: 1202004-08
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Acenaphthylene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Acetophenone	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Atrazine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Bromophenyl phenyl ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Carbazole	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Caprolactam	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Chrysene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dibenz(a,h)anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dibenzofuran	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 17:19	R3QA201
Diethyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dimethylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dimethyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Di-n-butyl phthalate	0.471	B, J	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dinitrotoluene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,6-Dinitrotoluene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Di-n-octyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21z	**Lab ID:** 1202004-08
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Fluorene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorobutadiene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachloroethane	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Isophorone	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 17:19	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methylnaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Naphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
3-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Nitrobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Nitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Nitrophenol	U	UJ	10.0	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 17:19	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 17:19	R3QA201
Phenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4,5-Trichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4,6-Trichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	0.384	*A*	**0.4 %**	*21-110*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: Phenol-d5	5.68	*A*	**6 %**	*10-110*	02/12/12	02/15/12 17:19	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21z	**Lab ID:** 1202004-08
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	1.71	*A*	**3 %**	*35-114*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: 2-Fluorobiphenyl	17.2	*A*	**34 %**	*43-116*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	78.5		**78 %**	*10-123*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: Terphenyl-d14	44.8		**90 %**	*33-141*	02/12/12	02/15/12 17:19	*R3QA201*

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW23-P
Lab ID: 1202004-11
Sample Matrix: Drinking Water
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 18:10	R3QA201
Diethyl phthalate	0.014	B, J	5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 18:10	R3QA201
Di-n-butyl phthalate	0.356	B, J	5.00	1	02/12/12	02/15/12 18:10	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201

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701 Mapes Road
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Site Name: Dimock Residential Groundwater
Station ID: HW23-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-11
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 18:10	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	70.3		70 %	*21-110*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: Phenol-d5	77.4		77 %	*10-110*	02/12/12	02/15/12 18:10	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23-P	**Lab ID:** 1202004-11
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	37.3		**75 %**	*35-114*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: 2-Fluorobiphenyl	38.4		**77 %**	*43-116*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	78.5		**79 %**	*10-123*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: Terphenyl-d14	41.6		**83 %**	*33-141*	02/12/12	02/15/12 18:10	*R3QA201*

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22	**Lab ID:** 1202004-13
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-ethylhexyl)phthalate	0.055	B, J	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 19:00	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 19:00	R3QA201
Di-n-butyl phthalate	0.292	B, J	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW22
Lab ID: 1202004-13
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 19:00	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	50.3		**53 %**	*21-110*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: Phenol-d5	59.0		**62 %**	*10-110*	02/12/12	02/15/12 19:00	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22	**Lab ID:** 1202004-13
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	27.9		**59 %**	*35-114*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: 2-Fluorobiphenyl	30.9		**65 %**	*43-116*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	59.1		**62 %**	*10-123*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: Terphenyl-d14	29.7		**62 %**	*33-141*	02/12/12	02/15/12 19:00	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW23
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-15
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-ethylhexyl)phthalate	0.067	B, J	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 19:50	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 19:50	R3QA201
Di-n-butyl phthalate	0.541	B, J	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW23
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-15
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 19:50	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.2		**64 %**	*21-110*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: Phenol-d5	71.2		**75 %**	*10-110*	02/12/12	02/15/12 19:50	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23	**Lab ID:** 1202004-15
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	36.7		**77 %**	*35-114*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.0		**76 %**	*43-116*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	70.0		**74 %**	*10-123*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: Terphenyl-d14	38.6		**81 %**	*33-141*	02/12/12	02/15/12 19:50	*R3QA201*

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Site Name: Dimock Residential Groundwater
Station ID: HW22-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-17
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 20:41	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 20:41	R3QA201
Di-n-butyl phthalate	0.335	B, J	5.00	1	02/12/12	02/15/12 20:41	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW22-P
Lab ID: 1202004-17
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 20:41	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	77.7		78 %	*21-110*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: Phenol-d5	77.4		77 %	*10-110*	02/12/12	02/15/12 20:41	*R3QA201*

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Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22-P	**Lab ID:** 1202004-17
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	41.9		**84 %**	*35-114*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: 2-Fluorobiphenyl	38.6		**77 %**	*43-116*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	81.4		**81 %**	*10-123*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: Terphenyl-d14	42.3		**85 %**	*33-141*	02/12/12	02/15/12 20:41	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n	**Lab ID:** 1202004-21
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 21:31	R3QA201
Diethyl phthalate	0.013	B, J	5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 21:31	R3QA201
Di-n-butyl phthalate	0.368	B, J	5.00	1	02/12/12	02/15/12 21:31	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW36n
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-21
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 21:31	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	63.2		63 %	*21-110*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: Phenol-d5	70.6		71 %	*10-110*	02/12/12	02/15/12 21:31	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n	**Lab ID:** 1202004-21
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.1		**68 %**	*35-114*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: 2-Fluorobiphenyl	30.3		**61 %**	*43-116*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	84.5		**84 %**	*10-123*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: Terphenyl-d14	36.2		**72 %**	*33-141*	02/12/12	02/15/12 21:31	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 00:28	R3QA201
Diethyl phthalate	0.012	B, J	4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 00:28	R3QA201
Di-n-butyl phthalate	0.911	B, J	4.76	1	02/12/12	02/16/12 00:28	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 00:28	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.3		64 %	*21-110*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: Phenol-d5	67.5		71 %	*10-110*	02/12/12	02/16/12 00:28	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	32.4		**68 %**	*35-114*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: 2-Fluorobiphenyl	33.4		**70 %**	*43-116*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.8		**68 %**	*10-123*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: Terphenyl-d14	36.5		**77 %**	*33-141*	02/12/12	02/16/12 00:28	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-ethylhexyl)phthalate	0.049	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 01:18	R3QA201
Diethyl phthalate	0.010	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 01:18	R3QA201
Di-n-butyl phthalate	0.304	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 01:18	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.5		**70 %**	*21-110*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: Phenol-d5	71.1		**75 %**	*10-110*	02/12/12	02/16/12 01:18	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.5		**70 %**	*35-114*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.7		**73 %**	*43-116*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	65.3		**69 %**	*10-123*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: Terphenyl-d14	36.1		**76 %**	*33-141*	02/12/12	02/16/12 01:18	*R3QA201*

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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater
Station ID: HW54-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-24
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Atrazine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-ethylhexyl)phthalate	0.028	B, J	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Carbazole	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Chrysene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/16/12 02:08	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/16/12 02:08	R3QA201
Di-n-butyl phthalate	0.203	B, J	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54-P	**Lab ID:** 1202004-24
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Fluorene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Isophorone	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/16/12 02:08	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Phenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	40.7		**41 %**	*21-110*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: Phenol-d5	49.7		**50 %**	*10-110*	02/12/12	02/16/12 02:08	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54-P	**Lab ID:** 1202004-24
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	23.0		**46 %**	*35-114*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: 2-Fluorobiphenyl	26.1		**52 %**	*43-116*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	46.4		**46 %**	*10-123*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: Terphenyl-d14	27.9		**56 %**	*33-141*	02/12/12	02/16/12 02:08	*R3QA201*

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Office of Analytical Services and Quality Assurance
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Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14	**Lab ID:** 1202004-25
Sample Matrix: Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Atrazine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Carbazole	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Chrysene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/16/12 02:58	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/16/12 02:58	R3QA201
Di-n-butyl phthalate	0.486	B, J	5.00	1	02/12/12	02/16/12 02:58	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: FB14
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1202004-25
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Fluorene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Isophorone	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/16/12 02:58	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Phenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.6		67 %	*21-110*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: Phenol-d5	71.4		71 %	*10-110*	02/12/12	02/16/12 02:58	*R3QA201*

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Region 3 Environmental Science Center
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14	**Lab ID:** 1202004-25
Sample Matrix: Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.6		67 %	*35-114*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.1		72 %	*43-116*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.2		64 %	*10-123*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: Terphenyl-d14	38.2		76 %	*33-141*	02/12/12	02/16/12 02:58	*R3QA201*

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Office of Analytical Services and Quality Assurance
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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW16z
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-26
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 03:49	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 03:49	R3QA201
Di-n-butyl phthalate	0.695	B, J	4.76	1	02/12/12	02/16/12 03:49	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16z	**Lab ID:** 1202004-26
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 03:49	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	63.9		67 %	*21-110*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: Phenol-d5	70.1		74 %	*10-110*	02/12/12	02/16/12 03:49	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16z	**Lab ID:** 1202004-26
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.1		**70 %**	*35-114*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.9		**73 %**	*43-116*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	68.0		**71 %**	*10-123*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: Terphenyl-d14	38.4		**81 %**	*33-141*	02/12/12	02/16/12 03:49	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16	**Lab ID:** 1202004-27
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 04:39	R3QA201
Diethyl phthalate	0.014	B, J	4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 04:39	R3QA201
Di-n-butyl phthalate	0.438	B, J	4.76	1	02/12/12	02/16/12 04:39	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW16
Lab ID: 1202004-27
Sample Matrix: Drinking Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 04:39	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	68.3		**72 %**	*21-110*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: Phenol-d5	70.9		**74 %**	*10-110*	02/12/12	02/16/12 04:39	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16	**Lab ID:** 1202004-27
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.2		**70 %**	*35-114*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.5		**72 %**	*43-116*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	61.1		**64 %**	*10-123*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: Terphenyl-d14	38.8		**81 %**	*33-141*	02/12/12	02/16/12 04:39	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW44	**Lab ID:** 1202004-28
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-ethylhexyl)phthalate	0.050	B, J	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
3,3'-Dichlorobenzidine	U		57.1	1	02/12/12	02/16/12 05:29	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 05:29	R3QA201
Di-n-butyl phthalate	0.328	B, J	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW44
Lab ID: 1202004-28
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 05:29	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	58.2		**61 %**	*21-110*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: Phenol-d5	63.9		**67 %**	*10-110*	02/12/12	02/16/12 05:29	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW44	**Lab ID:** 1202004-28
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	30.2		**64 %**	*35-114*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: 2-Fluorobiphenyl	31.8		**67 %**	*43-116*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	58.1		**61 %**	*10-123*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: Terphenyl-d14	35.6		**75 %**	*33-141*	02/12/12	02/16/12 05:29	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-P	**Lab ID:** 1202004-29
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Acenaphthylene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Acetophenone	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Anthracene	0.047	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Atrazine	0.043	J	60.0	1	02/16/12	02/22/12 17:03	R3QA201
Benzaldehyde	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(a)anthracene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(a)pyrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
1,1-Biphenyl	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-ethylhexyl)phthalate	0.066	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Butyl benzyl phthalate	0.060	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Carbazole	0.057	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Caprolactam	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Chloronaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Chlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Chrysene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dibenzofuran	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
3,3'-Dichlorobenzidine	U	R	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Diethyl phthalate	0.020	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dimethyl phthalate	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Di-n-butyl phthalate	1.51	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-P	**Lab ID:** 1202004-29
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	0.061	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Fluorene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorobutadiene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachloroethane	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Isophorone	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methoxyethanol	U	R	5.00	1	02/16/12	02/22/12 17:03	R3QA201
1-Methylnaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methylnaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Naphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Nitroaniline	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
3-Nitroaniline	U		60.0	1	02/16/12	02/22/12 17:03	R3QA201
4-Nitroaniline	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Nitrobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Nitrophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Nitrophenol	U		10.0	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Pentachlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Phenanthrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Phenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Pyrene	0.065	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	57.1		**57 %**	*21-110*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: Phenol-d5	65.5		**66 %**	*10-110*	02/16/12	02/22/12 17:03	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-P	**Lab ID:** 1202004-29
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	29.0		**58 %**	*35-114*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: 2-Fluorobiphenyl	29.6		**59 %**	*43-116*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	60.3		**60 %**	*10-123*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: Terphenyl-d14	31.3		**63 %**	*33-141*	02/16/12	02/22/12 17:03	*R3QA201*

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Site Name: Dimock Residential Groundwater
Station ID: HW36n-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-30
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Acenaphthylene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Acetophenone	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Atrazine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzaldehyde	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(a)anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(a)pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
1,1-Biphenyl	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-ethylhexyl)phthalate	0.137	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Carbazole	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Caprolactam	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chloroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Chloronaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Chlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Chrysene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dibenzofuran	0.014	J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
Diethyl phthalate	0.043	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dimethyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dinitrophenol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
Di-n-butyl phthalate	0.394	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-P	**Lab ID:** 1202004-30
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Fluorene	0.016	J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorobutadiene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachloroethane	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Isophorone	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
1-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Naphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
3-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Nitrobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Nitrophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Nitrophenol	U		9.52	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Pentachlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Phenanthrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Phenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	62.8		**66 %**	*21-110*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: Phenol-d5	59.3		**62 %**	*10-110*	02/15/12	02/21/12 18:42	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-P	**Lab ID:** 1202004-30
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.5		**70 %**	*35-114*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: 2-Fluorobiphenyl	33.5		**70 %**	*43-116*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.2		**67 %**	*10-123*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: Terphenyl-d14	35.7		**75 %**	*33-141*	02/15/12	02/21/12 18:42	*R3QA201*

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Site Name: Dimock Residential Groundwater
Station ID: FB15
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1202004-31
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Acenaphthylene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Acetophenone	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Atrazine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzaldehyde	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(a)anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(a)pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
1,1-Biphenyl	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-ethylhexyl)phthalate	0.041	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Carbazole	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Caprolactam	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chloroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Chloronaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Chlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Chrysene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dibenzofuran	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
Diethyl phthalate	0.031	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dimethyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dinitrophenol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
Di-n-butyl phthalate	0.368	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: FB15
Lab ID: 1202004-31
Sample Matrix: Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Fluorene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorobutadiene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachloroethane	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Isophorone	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
1-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Naphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
3-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Nitrobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Nitrophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Nitrophenol	U		9.52	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Pentachlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Phenanthrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Phenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	62.5		**66 %**	*21-110*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: Phenol-d5	69.8		**73 %**	*10-110*	02/15/12	02/21/12 19:32	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB15	**Lab ID:** 1202004-31
Sample Matrix: Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.9		**73 %**	*35-114*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.3		**76 %**	*43-116*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.2		**77 %**	*10-123*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: Terphenyl-d14	39.2		**82 %**	*33-141*	02/15/12	02/21/12 19:32	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Acenaphthylene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Acetophenone	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Atrazine	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(a)anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(a)pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
1,1-Biphenyl	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-ethylhexyl)phthalate	0.047	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Carbazole	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Caprolactam	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chloroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Chloronaphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Chrysene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dibenzofuran	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
Diethyl phthalate	0.037	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dimethyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dinitrophenol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
Di-n-butyl phthalate	0.306	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Fluorene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorobutadiene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachloroethane	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Isophorone	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methylnaphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Naphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
3-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Nitrobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Nitrophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Nitrophenol	U		10.0	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Pentachlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Phenanthrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Phenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.4		**61 %**	*21-110*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: Phenol-d5	68.5		**69 %**	*10-110*	02/15/12	02/21/12 20:23	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.8		**68 %**	*35-114*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: 2-Fluorobiphenyl	35.5		**71 %**	*43-116*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	69.7		**70 %**	*10-123*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: Terphenyl-d14	40.6		**81 %**	*33-141*	02/15/12	02/21/12 20:23	*R3QA201*

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-01					
Station ID:	HW48					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 14:48	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-03					
Station ID:	HW48z					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 15:38	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-06					
Station ID:	HW21					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 16:29	R3QA201

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DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-08					
Station ID:	HW21z					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 17:19	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-11					
Station ID:	HW23-P					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 18:10	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-13					
Station ID:	HW22					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 19:00	R3QA201

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-15					
Station ID:	HW23					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 19:50	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-17					
Station ID:	HW22-P					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 20:41	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-21					
Station ID:	HW36n					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
000541-02-6	Cyclopentasiloxane, decamethyl-	2.47	T	5.09	02/15/12 21:31	R3QA201

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-22					
Station ID:	HW49					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 00:28	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-23					
Station ID:	HW16-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
NA	unknown	13.9	T	4.04	02/16/12 01:18	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-24					
Station ID:	HW54-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/16/12 02:08	R3QA201

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-25					
Station ID:	FB14					
Sample Matrix:	Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 02:58	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-26					
Station ID:	HW16z					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
10544-50-0	Cyclic octaatomic sulfur	15.0	T	9.96	02/16/12 03:49	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-27					
Station ID:	HW16					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1.97	T	3.07	02/16/12 04:39	R3QA201
10544-50-0	Cyclic octaatomic sulfur	22.4	T	9.97	02/16/12 04:39	R3QA201

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-28					
Station ID:	HW44					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 05:29	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-29					
Station ID:	HW49-P					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/22/12 17:03	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-30					
Station ID:	HW36n-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 18:42	R3QA201

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-31					
Station ID:	FB15					
Sample Matrix:	Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 19:32	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-32					
Station ID:	HW54					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 20:23	R3QA201

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Blank (BB21201-BLK1)				Prepared: 02/12/12 09:57	Analyzed: 02/15/12 13:07					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.078	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.029	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.632	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							

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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Blank (BB21201-BLK1)				Prepared: 02/12/12 09:57	Analyzed: 02/15/12 13:07					
2,6-Dinitrotoluene	U	5.00	ug/L							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	2.44		"							T
Surrogate: 2-Fluorophenol	*68.5*		*"*	*100.00*		*68*	*21-110*			
Surrogate: Phenol-d5	*66.3*		*"*	*100.00*		*66*	*10-110*			
Surrogate: Nitrobenzene-d5	*36.6*		*"*	*50.000*		*73*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*37.5*		*"*	*50.000*		*75*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*73.1*		*"*	*100.00*		*73*	*10-123*			
Surrogate: Terphenyl-d14	*39.5*		*"*	*50.000*		*79*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
LCS (BB21201-BS1)				Prepared: 02/12/12 09:57		Analyzed: 02/15/12 13:57				
Benzo(a)pyrene	3.57	5.00	ug/L	5.0000		71	30-150			J
Bis(2-chloroethyl)ether	4.06	5.00	"	5.0000		81	30-150			J
4-Chloroaniline	1.04	5.00	"	5.0000		21	30-150			A, J
4-Chloro-3-methylphenol	4.40	5.00	"	5.0000		88	26-103			J
2-Chlorophenol	3.92	5.00	"	5.0000		78	25-102			J
Diethyl phthalate	4.67	5.00	"	5.0000		93	30-150			J
2,4-Dinitrotoluene	4.02	5.00	"	5.0000		80	28-89			J
Hexachlorobenzene	4.64	5.00	"	5.0000		93	30-150			J
Hexachlorobutadiene	3.89	5.00	"	5.0000		78	30-150			J
Hexachloroethane	3.63	5.00	"	5.0000		73	30-150			J
Isophorone	4.23	5.00	"	5.0000		85	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.78	5.00	"	5.0000		96	30-150			J
Naphthalene	4.66	5.00	"	5.0000		93	30-150			J
Nitrobenzene	4.24	5.00	"	5.0000		85	30-150			J
4-Nitrophenol	2.96	10.0	"	5.0000		59	11-114			J
N-Nitroso-di-n-propylamine	4.15	5.00	"	5.0000		83	41-126			J
N-Nitrosodiphenylamine	4.71	5.00	"	5.0000		94	30-150			J
Pentachlorophenol	0.876	5.00	"	5.0000		18	17-109			J
Phenol	4.01	5.00	"	5.0000		80	26-90			J
2,4,5-Trichlorophenol	4.33	5.00	"	5.0000		87	30-150			J
2,4,6-Trichlorophenol	4.19	5.00	"	5.0000		84	30-150			J
Surrogate: 2-Fluorophenol	*69.8*		"	*100.00*		*70*	*21-110*			
Surrogate: Phenol-d5	*77.3*		"	*100.00*		*77*	*10-110*			
Surrogate: Nitrobenzene-d5	*36.8*		"	*50.000*		*74*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*38.6*		"	*50.000*		*77*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*79.0*		"	*100.00*		*79*	*10-123*			
Surrogate: Terphenyl-d14	*40.2*		"	*50.000*		*80*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Matrix Spike (BB21201-MS1)		**Source: 1202004-28**		Prepared: 02/12/12 09:57		Analyzed: 02/16/12 06:20				
Benzo(a)pyrene	30.7	4.76	ug/L	57.143	0.00	54	30-150			
Bis(2-chloroethyl)ether	26.6	4.76	"	57.143	0.00	47	30-150			
4-Chloroaniline	27.2	4.76	"	57.143	0.00	48	30-150			
4-Chloro-3-methylphenol	32.0	4.76	"	57.143	0.00	56	26-103			
2-Chlorophenol	28.0	4.76	"	57.143	0.00	49	25-102			
Diethyl phthalate	32.4	4.76	"	57.143	0.00	57	30-150			
2,4-Dinitrotoluene	33.7	4.76	"	57.143	0.00	59	28-89			
Hexachlorobenzene	29.5	4.76	"	57.143	0.00	52	30-150			
Hexachlorobutadiene	26.4	4.76	"	57.143	0.00	46	30-150			
Hexachloroethane	23.8	4.76	"	57.143	0.00	42	30-150			
Isophorone	29.3	4.76	"	57.143	0.00	51	30-150			
2-Methoxyethanol	16.9	4.76	"	55.143	0.00	31	30-150			
1-Methylnaphthalene	31.9	4.76	"	57.143	0.00	56	30-150			
Naphthalene	28.8	4.76	"	57.143	0.00	50	30-150			
Nitrobenzene	27.9	4.76	"	57.143	0.00	49	30-150			
4-Nitrophenol	36.3	9.52	"	57.143	0.00	63	11-114			
N-Nitroso-di-n-propylamine	29.2	4.76	"	57.143	0.00	51	41-126			
N-Nitrosodiphenylamine	28.3	4.76	"	57.143	0.00	50	30-150			
Pentachlorophenol	29.1	4.76	"	57.143	0.00	51	17-109			
Phenol	26.3	4.76	"	57.143	0.00	46	26-90			
2,4,5-Trichlorophenol	30.4	4.76	"	57.143	0.00	53	30-150			
2,4,6-Trichlorophenol	30.6	4.76	"	57.143	0.00	53	30-150			
Surrogate: 2-Fluorophenol	*96.8*		"	*95.238*		*102*	*21-110*			
Surrogate: Phenol-d5	*100*		"	*95.238*		*105*	*10-110*			
Surrogate: Nitrobenzene-d5	*51.7*		"	*47.619*		*109*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*49.6*		"	*47.619*		*104*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*115*		"	*95.238*		*121*	*10-123*			
Surrogate: Terphenyl-d14	*53.0*		"	*47.619*		*111*	*33-141*			

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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Matrix Spike Dup (BB21201-MSD1)		**Source: 1202004-28**		Prepared: 02/12/12 09:57		Analyzed: 02/16/12 07:10				
Benzo(a)pyrene	47.7	5.00	ug/L	60.000	0.00	79	30-150	39	25	A
Bis(2-chloroethyl)ether	39.0	5.00	"	60.000	0.00	65	30-150	33	25	A
4-Chloroaniline	41.4	5.00	"	60.000	0.00	69	30-150	37	25	A
4-Chloro-3-methylphenol	49.1	5.00	"	60.000	0.00	82	26-103	37	33	A
2-Chlorophenol	41.0	5.00	"	60.000	0.00	68	25-102	33	50	
Diethyl phthalate	48.8	5.00	"	60.000	0.00	81	30-150	36	25	A
2,4-Dinitrotoluene	52.2	5.00	"	60.000	0.00	87	28-89	38	47	
Hexachlorobenzene	44.5	5.00	"	60.000	0.00	74	30-150	36	25	A
Hexachlorobutadiene	41.2	5.00	"	60.000	0.00	69	30-150	39	200	
Hexachloroethane	35.6	5.00	"	60.000	0.00	59	30-150	35	25	A
Isophorone	43.8	5.00	"	60.000	0.00	73	30-150	35	25	A
2-Methoxyethanol	22.8	5.00	"	57.900	0.00	39	30-150	25	25	
1-Methylnaphthalene	46.1	5.00	"	60.000	0.00	77	30-150	32	25	A
Naphthalene	42.6	5.00	"	60.000	0.00	71	30-150	34	25	A
Nitrobenzene	42.1	5.00	"	60.000	0.00	70	30-150	36	200	
4-Nitrophenol	57.6	10.0	"	60.000	0.00	96	11-114	41	50	
N-Nitroso-di-n-propylamine	42.5	5.00	"	60.000	0.00	71	41-126	32	38	
N-Nitrosodiphenylamine	39.5	5.00	"	60.000	0.00	66	30-150	28	25	A
Pentachlorophenol	44.7	5.00	"	60.000	0.00	74	17-109	37	47	
Phenol	42.9	5.00	"	60.000	0.00	72	26-90	43	35	A
2,4,5-Trichlorophenol	46.4	5.00	"	60.000	0.00	77	30-150	37	200	
2,4,6-Trichlorophenol	46.0	5.00	"	60.000	0.00	77	30-150	36	200	
Surrogate: 2-Fluorophenol	*73.4*		"	*100.00*		*73*	*21-110*			
Surrogate: Phenol-d5	*75.6*		"	*100.00*		*76*	*10-110*			
Surrogate: Nitrobenzene-d5	*38.1*		"	*50.000*		*76*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*40.3*		"	*50.000*		*81*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*80.6*		"	*100.00*		*81*	*10-123*			
Surrogate: Terphenyl-d14	*40.4*		"	*50.000*		*81*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
Blank (BB21501-BLK1)				Prepared: 02/15/12 08:01	Analyzed: 02/21/12 16:09					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.061	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.057	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	1.15	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							

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Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
Blank (BB21501-BLK1)				Prepared: 02/15/12 08:01		Analyzed: 02/21/12 16:09				
Fluorene	U	5.00	ug/L							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.57		"							T
Surrogate: 2-Fluorophenol	*58.8*		"	*100.00*		*59*	*21-110*			
Surrogate: Phenol-d5	*68.0*		"	*100.00*		*68*	*10-110*			
Surrogate: Nitrobenzene-d5	*35.5*		"	*50.000*		*71*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*35.1*		"	*50.000*		*70*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*58.9*		"	*100.00*		*59*	*10-123*			
Surrogate: Terphenyl-d14	*41.6*		"	*50.000*		*83*	*33-141*			

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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
LCS (BB21501-BS1)				Prepared: 02/15/12 08:01		Analyzed: 02/21/12 17:00				
Benzo(a)pyrene	2.95	5.00	ug/L	5.0000		59	30-150			J
Bis(2-chloroethyl)ether	4.32	5.00	"	5.0000		86	30-150			J
4-Chloroaniline	2.43	5.00	"	5.0000		49	30-150			J
4-Chloro-3-methylphenol	3.97	5.00	"	5.0000		79	26-103			J
2-Chlorophenol	3.96	5.00	"	5.0000		79	25-102			J
Diethyl phthalate	4.62	5.00	"	5.0000		92	30-150			J
2,4-Dinitrotoluene	4.02	5.00	"	5.0000		80	28-89			J
Hexachlorobenzene	4.08	5.00	"	5.0000		82	30-150			J
Hexachlorobutadiene	3.45	5.00	"	5.0000		69	30-150			J
Hexachloroethane	3.72	5.00	"	5.0000		74	30-150			J
Isophorone	4.25	5.00	"	5.0000		85	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.67	5.00	"	5.0000		93	30-150			J
Naphthalene	4.69	5.00	"	5.0000		94	30-150			J
Nitrobenzene	4.50	5.00	"	5.0000		90	30-150			J
4-Nitrophenol	1.22	10.0	"	5.0000		24	11-114			J
N-Nitroso-di-n-propylamine	4.19	5.00	"	5.0000		84	41-126			J
N-Nitrosodiphenylamine	4.48	5.00	"	5.0000		90	30-150			J
Pentachlorophenol	0.356	5.00	"	5.0000		7	17-109			A, J
Phenol	4.10	5.00	"	5.0000		82	26-90			J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
2,4,6-Trichlorophenol	3.48	5.00	"	5.0000		70	30-150			J
Surrogate: 2-Fluorophenol	*71.3*		"	*100.00*		*71*	*21-110*			
Surrogate: Phenol-d5	*78.0*		"	*100.00*		*78*	*10-110*			
Surrogate: Nitrobenzene-d5	*38.4*		"	*50.000*		*77*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*38.2*		"	*50.000*		*76*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*71.2*		"	*100.00*		*71*	*10-123*			
Surrogate: Terphenyl-d14	*39.4*		"	*50.000*		*79*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
LCS (BB21501-BS2)				Prepared: 02/15/12 08:01		Analyzed: 02/21/12 17:51				
Benzo(a)pyrene	47.2	5.00	ug/L	60.000		79	30-150			
Bis(2-chloroethyl)ether	38.2	5.00	"	60.000		64	30-150			
4-Chloroaniline	39.4	5.00	"	60.000		66	30-150			
4-Chloro-3-methylphenol	46.5	5.00	"	60.000		77	26-103			
2-Chlorophenol	38.7	5.00	"	60.000		64	25-102			
Diethyl phthalate	47.6	5.00	"	60.000		79	30-150			
2,4-Dinitrotoluene	50.3	5.00	"	60.000		84	28-89			
Hexachlorobenzene	43.2	5.00	"	60.000		72	30-150			
Hexachlorobutadiene	31.2	5.00	"	60.000		52	30-150			
Hexachloroethane	26.3	5.00	"	60.000		44	30-150			
Isophorone	42.0	5.00	"	60.000		70	30-150			
2-Methoxyethanol	19.4	5.00	"	57.900		34	30-150			
1-Methylnaphthalene	42.1	5.00	"	60.000		70	30-150			
Naphthalene	38.4	5.00	"	60.000		64	30-150			
Nitrobenzene	41.2	5.00	"	60.000		69	30-150			
4-Nitrophenol	51.0	10.0	"	60.000		85	11-114			
N-Nitroso-di-n-propylamine	41.5	5.00	"	60.000		69	41-126			
N-Nitrosodiphenylamine	39.8	5.00	"	60.000		66	30-150			
Pentachlorophenol	41.5	5.00	"	60.000		69	17-109			
Phenol	40.9	5.00	"	60.000		68	26-90			
2,4,5-Trichlorophenol	43.1	5.00	"	60.000		72	30-150			
2,4,6-Trichlorophenol	42.2	5.00	"	60.000		70	30-150			
Surrogate: 2-Fluorophenol	*67.7*		"	*100.00*		*68*	*21-110*			
Surrogate: Phenol-d5	*71.8*		"	*100.00*		*72*	*10-110*			
Surrogate: Nitrobenzene-d5	*37.9*		"	*50.000*		*76*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*37.6*		"	*50.000*		*75*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*77.6*		"	*100.00*		*78*	*10-123*			
Surrogate: Terphenyl-d14	*40.9*		"	*50.000*		*82*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
Blank (BB21601-BLK1)				Prepared: 02/16/12 08:20	Analyzed: 02/22/12 14:29					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.018	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.480	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
Blank (BB21601-BLK1)				Prepared: 02/16/12 08:20		Analyzed: 02/22/12 14:29				
Fluorene	U	5.00	ug/L							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.48		"							T
Surrogate: 2-Fluorophenol	*57.4*		"	*100.00*		*57*	*21-110*			
Surrogate: Phenol-d5	*63.6*		"	*100.00*		*64*	*10-110*			
Surrogate: Nitrobenzene-d5	*29.1*		"	*50.000*		*58*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*29.5*		"	*50.000*		*59*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*56.7*		"	*100.00*		*57*	*10-123*			
Surrogate: Terphenyl-d14	*30.7*		"	*50.000*		*61*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
LCS (BB21601-BS1)				Prepared: 02/16/12 08:20		Analyzed: 02/22/12 15:21				
Benzo(a)pyrene	3.22	5.00	ug/L	5.0000		64	30-150			J
Bis(2-chloroethyl)ether	3.88	5.00	"	5.0000		78	30-150			J
4-Chloroaniline	0.266	5.00	"	5.0000		5	30-150			A, J
4-Chloro-3-methylphenol	3.76	5.00	"	5.0000		75	26-103			J
2-Chlorophenol	3.84	5.00	"	5.0000		77	25-102			J
Diethyl phthalate	4.30	5.00	"	5.0000		86	30-150			J
2,4-Dinitrotoluene	3.93	5.00	"	5.0000		79	28-89			J
Hexachlorobenzene	4.09	5.00	"	5.0000		82	30-150			J
Hexachlorobutadiene	3.64	5.00	"	5.0000		73	30-150			J
Hexachloroethane	3.40	5.00	"	5.0000		68	30-150			J
Isophorone	3.89	5.00	"	5.0000		78	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.50	5.00	"	5.0000		90	30-150			J
Naphthalene	4.44	5.00	"	5.0000		89	30-150			J
Nitrobenzene	4.08	5.00	"	5.0000		82	30-150			J
4-Nitrophenol	1.64	10.0	"	5.0000		33	11-114			J
N-Nitroso-di-n-propylamine	3.55	5.00	"	5.0000		71	41-126			J
N-Nitrosodiphenylamine	3.08	5.00	"	5.0000		62	30-150			J
Pentachlorophenol	1.77	5.00	"	5.0000		35	17-109			J
Phenol	3.77	5.00	"	5.0000		75	26-90			J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
2,4,6-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
Surrogate: 2-Fluorophenol	*66.6*		"	*100.00*		*67*	*21-110*			
Surrogate: Phenol-d5	*64.8*		"	*100.00*		*65*	*10-110*			
Surrogate: Nitrobenzene-d5	*33.0*		"	*50.000*		*66*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*32.9*		"	*50.000*		*66*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*71.3*		"	*100.00*		*71*	*10-123*			
Surrogate: Terphenyl-d14	*33.8*		"	*50.000*		*68*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
LCS (BB21601-BS2)				Prepared: 02/16/12 08:20		Analyzed: 02/22/12 16:12				
Benzo(a)pyrene	42.0	5.00	ug/L	60.000		70	30-150			
Bis(2-chloroethyl)ether	34.7	5.00	"	60.000		58	30-150			
4-Chloroaniline	0.432	5.00	"	60.000		0.7	30-150			A, J
4-Chloro-3-methylphenol	44.1	5.00	"	60.000		73	26-103			
2-Chlorophenol	36.3	5.00	"	60.000		61	25-102			
Diethyl phthalate	42.1	5.00	"	60.000		70	30-150			
2,4-Dinitrotoluene	44.2	5.00	"	60.000		74	28-89			
Hexachlorobenzene	40.0	5.00	"	60.000		67	30-150			
Hexachlorobutadiene	32.4	5.00	"	60.000		54	30-150			
Hexachloroethane	26.4	5.00	"	60.000		44	30-150			
Isophorone	39.1	5.00	"	60.000		65	30-150			
2-Methoxyethanol	U	5.00	"	57.960			30-150			A
1-Methylnaphthalene	41.2	5.00	"	60.000		69	30-150			
Naphthalene	36.3	5.00	"	60.000		60	30-150			
Nitrobenzene	38.2	5.00	"	60.000		64	30-150			
4-Nitrophenol	47.8	10.0	"	60.000		80	11-114			
N-Nitroso-di-n-propylamine	37.8	5.00	"	60.000		63	41-126			
N-Nitrosodiphenylamine	31.8	5.00	"	60.000		53	30-150			
Pentachlorophenol	41.9	5.00	"	60.000		70	17-109			
Phenol	37.9	5.00	"	60.000		63	26-90			
2,4,5-Trichlorophenol	38.8	5.00	"	60.000		65	30-150			
2,4,6-Trichlorophenol	38.1	5.00	"	60.000		63	30-150			
Surrogate: 2-Fluorophenol	*64.6*		"	*100.00*		*65*	*21-110*			
Surrogate: Phenol-d5	*65.0*		"	*100.00*		*65*	*10-110*			
Surrogate: Nitrobenzene-d5	*32.1*		"	*50.000*		*64*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*32.0*		"	*50.000*		*64*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*73.6*		"	*100.00*		*74*	*10-123*			
Surrogate: Terphenyl-d14	*33.4*		"	*50.000*		*67*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Notes and Definitions

UJ	The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
T	Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
A	Quality control value is outside acceptance limits.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
	SVOCs by CLP Equivalent	(Water)	J-Flags used
	SVOCs by CLP Equivalent	(Water)	Result calculations based on MDL
	SVOCs by CLP Equivalent	(Water)	RPD calculations based on %Recovery
	SVOCs by CLP Equivalent	(Water)	Special Units: (ug/L)
1202004-01	SVOCs by CLP Equivalent		Status is Analyzed
1202004-01	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent		Status is Analyzed
1202004-03	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent		Status is Analyzed
1202004-06	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Fluorobiphenyl	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	2-Fluorophenol	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	Nitrobenzene-d5	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	Phenol-d5	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent		Status is Analyzed
1202004-08	SVOCs by CLP Equivalent	1,1-Biphenyl	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	1,2,4,5-Tetrachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,3,4,6-Tetrachlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4,5-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	2,4,6-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dimethylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,6-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Chloronaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Nitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	3-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Bromophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chlorophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Nitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acenaphthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acenaphthylene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	Atrazine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(a)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(a)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(b)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(ghi)perylene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(k)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroethoxy)methane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroisopropyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-ethylhexyl)phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Butyl benzyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Caprolactam	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Carbazole	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Chrysene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dibenz(a,h)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dibenzofuran	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Diethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dimethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Di-n-octyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Fluorene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorobutadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorocyclopentadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Indeno(1,2,3-cd)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	Isophorone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Naphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Nitrobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitroso-di-n-propylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent		Status is Analyzed
1202004-11	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent		Status is Analyzed
1202004-13	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent		Status is Analyzed
1202004-15	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent		Status is Analyzed
1202004-17	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-17	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent		Status is Analyzed
1202004-21	SVOCs by CLP Equivalent	Cyclopentasiloxane, decamethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-21	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent		Status is Analyzed
1202004-22	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent		Status is Analyzed
1202004-23	SVOCs by CLP Equivalent	unknown	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-23	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent		Status is Analyzed
1202004-24	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-24	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent		Status is Analyzed
1202004-25	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent		Status is Analyzed
1202004-26	SVOCs by CLP Equivalent	Cyclic octaatomic sulfur	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-26	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent		Status is Analyzed
1202004-27	SVOCs by CLP Equivalent	2-Pentanone, 4-hydroxy-4-methyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-27	SVOCs by CLP Equivalent	Cyclic octaatomic sulfur	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-27	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent		Status is Analyzed
1202004-28	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-28	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-29	SVOCs by CLP Equivalent	2-Methoxyethanol	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202004-29	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202004-29	SVOCs by CLP Equivalent		Status is Analyzed
1202004-29	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-29	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Bis(2-chloroisopropyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-32	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	N-Nitroso-di-n-propylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent		Status is Analyzed
1202005-10	SVOCs by CLP Equivalent	1,1-Biphenyl	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	1,2,4,5-Tetrachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,3,4,6-Tetrachlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4,5-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4,6-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dimethylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,6-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Chloronaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	3-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Chlorophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

DRAFT

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202005-10	SVOCs by CLP Equivalent	4-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Acenaphthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Atrazine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(a)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(a)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(k)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Butyl benzyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Caprolactam	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Carbazole	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Dibenzofuran	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Dimethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Di-n-octyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate..
1202005-10	SVOCs by CLP Equivalent	Fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Fluorene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorobutadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorocyclopentadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Isophorone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Naphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

DRAFT

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202005-10	SVOCs by CLP Equivalent	Pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-33	SVOCs by CLP Equivalent	2-Methoxyethanol	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202005-33	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202005-33	SVOCs by CLP Equivalent		Status is Analyzed
BB21201-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21201-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21201-BS1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit
BB21201-MSD1	SVOCs by CLP Equivalent	1-Methylnaphthalene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Benzo(a)pyrene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Diethyl phthalate	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Hexachlorobenzene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Hexachloroethane	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Isophorone	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Naphthalene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Phenol	Exceeds RPD control limit
BB21501-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21501-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21501-BS1	SVOCs by CLP Equivalent	Pentachlorophenol	Exceeds lower control limit
BB21601-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21601-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21601-BS1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit
BB21601-BS2	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Quality Control Data

BS1

NO

2,4-dinitrophenol

3,3'-dichlorobenzidine

2-methoxyethanol

4-Chloroaniline = 5.3%

3-Nitroaniline = 4.4%

Atrazine = 1.9%

BS2

NO

3,3'-dichlorobenzidine

2-methoxyethanol

4-Chloroaniline = 1%

3-Nitroaniline = 4.9%

Atrazine = 45%

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 14:36:38 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	934868	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3672860	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.304	164	2056756	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	3436343	20.000	ug/mL	-0.01
65) Chrysene-d12	11.716	240	2899918	20.000	ug/mL	-0.01
73) Perylene-d12	13.364	264	2360862	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	3751278	66.650	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery =	66.65%		
5) Phenol-d6	3.934	99	4054730	64.769	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery =	64.77%		
16) Nitrobenzene-d5	4.785	82	2052746	33.018	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery =	66.04%		
34) 2-Fluorobiphenyl	6.592	172	3826911	32.886	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery =	65.78%		
55) 2,4,6-Tribromophenol	8.149	330	910734	71.332	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery =	71.33%		
67) Terphenyl-d14	10.572	244	3752431	33.837	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	67.68%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.495	74	131459	2.972	ug/mL#	77
4) Benzaldehyde	3.897	77	218641	4.235	ug/mL	97
6) Phenol	3.945	94	266947	3.773	ug/mL#	8
7) Bis(2-chloroethyl)ether	4.036	93	267543	3.884	ug/mL	96
8) 2-Chlorophenol	4.095	128	257913	3.835	ug/mL	98
9) 2-Methylphenol	4.469	108	224865	3.698	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.517	45	505687	3.648	ug/mL#	91
11) Acetophenone	4.629	105	347865	4.099	ug/mL	93
12) 4-Methylphenol	4.603	108	233953	3.682	ug/mL	99
13) Hexachloroethane	4.715	117	92252	3.404	ug/mL	95
14) N-Nitroso-di-n-propyla...	4.651	70	166590	3.552	ug/mL#	85
17) Nitrobenzene	4.801	77	271320	4.083	ug/mL	97
18) Isophorone	5.015	82	481140	3.889	ug/mL#	94
19) 2-Nitrophenol	5.106	139	120418	3.644	ug/mL#	87
20) 2,4-Dimethylphenol	5.116	107	228952	3.751	ug/mL	88
21) Bis(2-chloroethoxy)met...	5.223	93	230356	2.974	ug/mL	98
22) 2-4-Dichlorophenol	5.325	162	186497	3.749	ug/mL	97
23) Naphthalene	5.485	128	759761	4.436	ug/mL	99
24) 4-Chloroaniline	5.549	127	20148	0.266	ug/mL	99 5.3%
25) Hexachlorobutadiene	5.662	225	95477	3.638	ug/mL	99
26) Caprolactam	5.854	113	64769	3.285	ug/mL	83
27) 4-Chloro-3-methylphenol	6.031	107	196600	3.756	ug/mL	92
28) 2-Methylnaphthalene	6.186	142	518687	4.303	ug/mL	99
30) Hexachlorocyclopentadiene	6.421	237	56986	2.401	ug/mL	97
31) 1,2,4,5-tetrachloroben...	6.400	216	188075	3.674	ug/mL#	97
32) 2,4,6-Trichlorophenol	6.502	196	118366	3.469	ug/mL	92
33) 2,4,5-Trichlorophenol	6.539	196	122157	3.474	ug/mL	93
35) 2-Chloronaphthalene	6.694	162	481477	4.344	ug/mL	97
36) 1,1-Biphenyl	6.678	154	649448	4.574	ug/mL	100

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 14:36:38 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
37) 2-Nitroaniline	6.828	65	131902	3.198 ug/mL	92	
38) Acenaphthylene	7.138	152	686135	3.984 ug/mL	99	
39) Dimethyl phthalate	7.052	163	565914	4.165 ug/mL	100	
40) 2,6-Dinitrotoluene	7.127	165	129878	4.981 ug/mL	88	
41) 3-Nitroaniline	7.266	138	7991	0.220 ug/mL#	78	4.4%
42) Acenaphthene	7.331	153	535199	4.467 ug/mL	98	
44) Dibenzofuran	7.496	168	691073	4.388 ug/mL	96	
45) 4-Nitrophenol	7.427	109	24270	1.643 ug/mL	96	
46) 2,4-Dinitrotoluene	7.534	165	165799	3.927 ug/mL	97	
47) 2,3,4,6-tetrachlorophenol	7.673	232	83522	3.224 ug/mL#	89	
48) Fluorene	7.865	166	573220	5.089 ug/mL	99	
49) Diethyl phthalate	7.801	149	548165	4.297 ug/mL	99	
50) 4-Chlorophenyl phenyl ...	7.860	204	252401	4.831 ug/mL	92	
51) 4-Nitroaniline	7.919	138	57766	1.886 ug/mL	98	
53) 4,6-Dinitro-2-methylph...	7.967	198	30642	1.675 ug/mL#	76	
54) N-Nitrosodiphenylamine	7.994	169	327513	3.077 ug/mL	98	
56) 4-Bromophenyl phenyl e...	8.379	248	131929	4.240 ug/mL	97	
57) Hexachlorobenzene	8.534	284	136879	4.091 ug/mL	92	
58) Atrazine	8.587	200	34145	0.950 ug/mL	99	1.9%
59) Pentachlorophenol	8.721	266	36435	1.773 ug/mL	98	
60) Phenanthrene	8.882	178	833737	4.662 ug/mL	99	
61) Anthracene	8.930	178	871586	4.801 ug/mL	99	
62) Carbazole	9.096	167	651689	3.917 ug/mL	99	
63) Di-n-butyl phthalate	9.529	149	1108390	5.685 ug/mL	99	
64) Fluoranthene	10.149	202	902960	4.821 ug/mL	98	
66) Pyrene	10.390	202	937609	4.599 ug/mL	98	
68) Butyl benzyl phthalate	11.123	149	331373	3.933 ug/mL	99	
69) Benzo(a)anthracene	11.690	228	656051	4.153 ug/mL	99	
71) Chrysene	11.743	228	706095	4.618 ug/mL	98	
72) Bis(2-ethylhexyl)phtha...	11.781	149	385199	3.537 ug/mL	99	
74) Di-n-octyl phthalate	12.465	149	477920	2.893 ug/mL	100	
75) Benzo(b)fluoranthene	12.915	252	418376m	2.927 ug/mL		
76) Benzo(k)fluoranthene	12.936	252	614893	4.577 ug/mL	98	
77) Benzo(a)pyrene	13.284	252	415657	3.225 ug/mL	100	
78) Indeno(1,2,3-cd)pyrene	14.787	276	344731	3.248 ug/mL#	80	
79) Dibenz(a,h)anthracene	14.803	278	260891	3.042 ug/mL	98	
80) Benzo(ghi)perylene	15.188	276	314534	3.563 ug/mL	96	

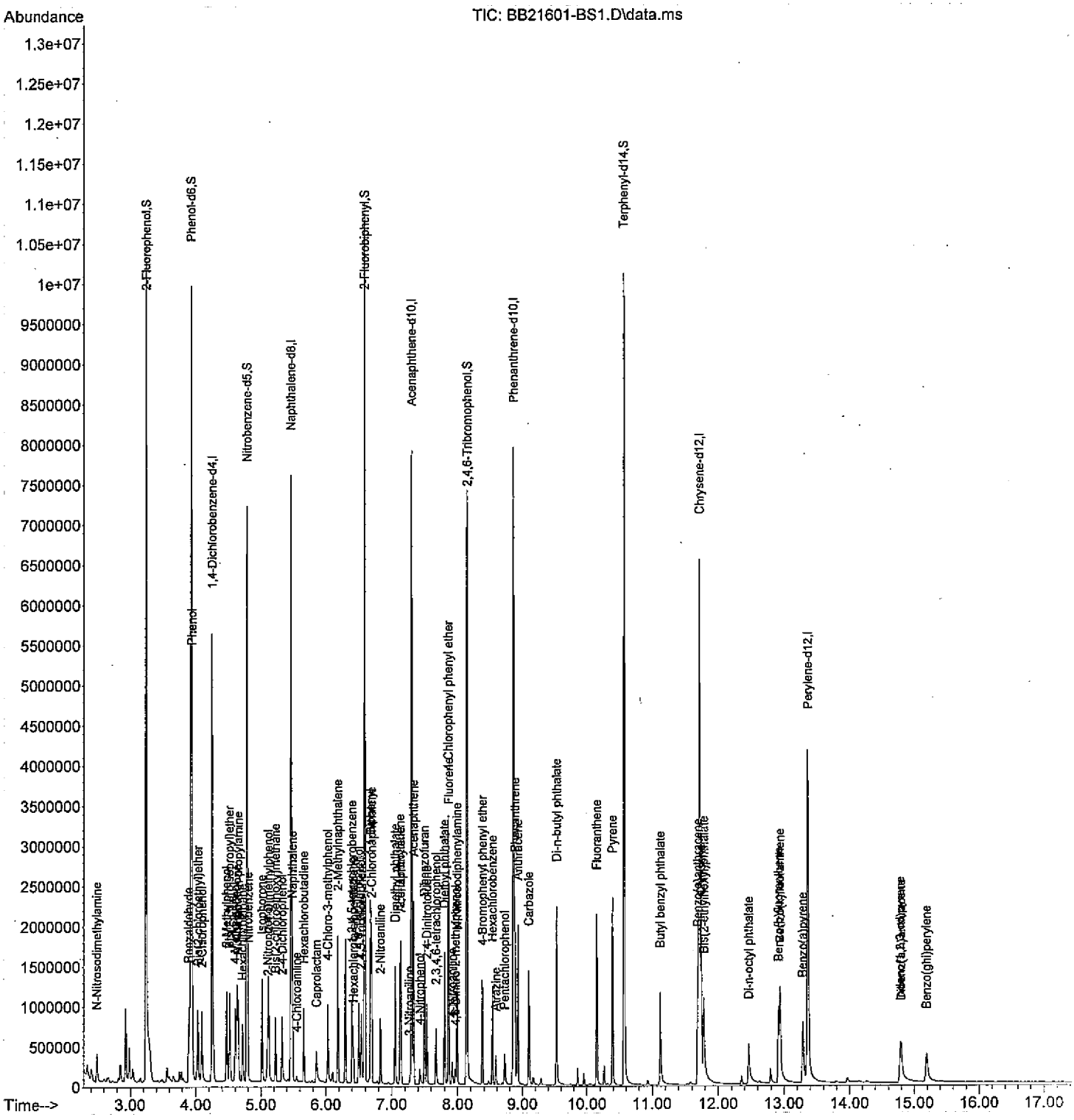
(#) = qualifier out of range (m) = manual integration (+) = signals summed

- MISSING
#43: 2,4-DiNitrophenol
#70: 3,3'-Dichlorobenzidine

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

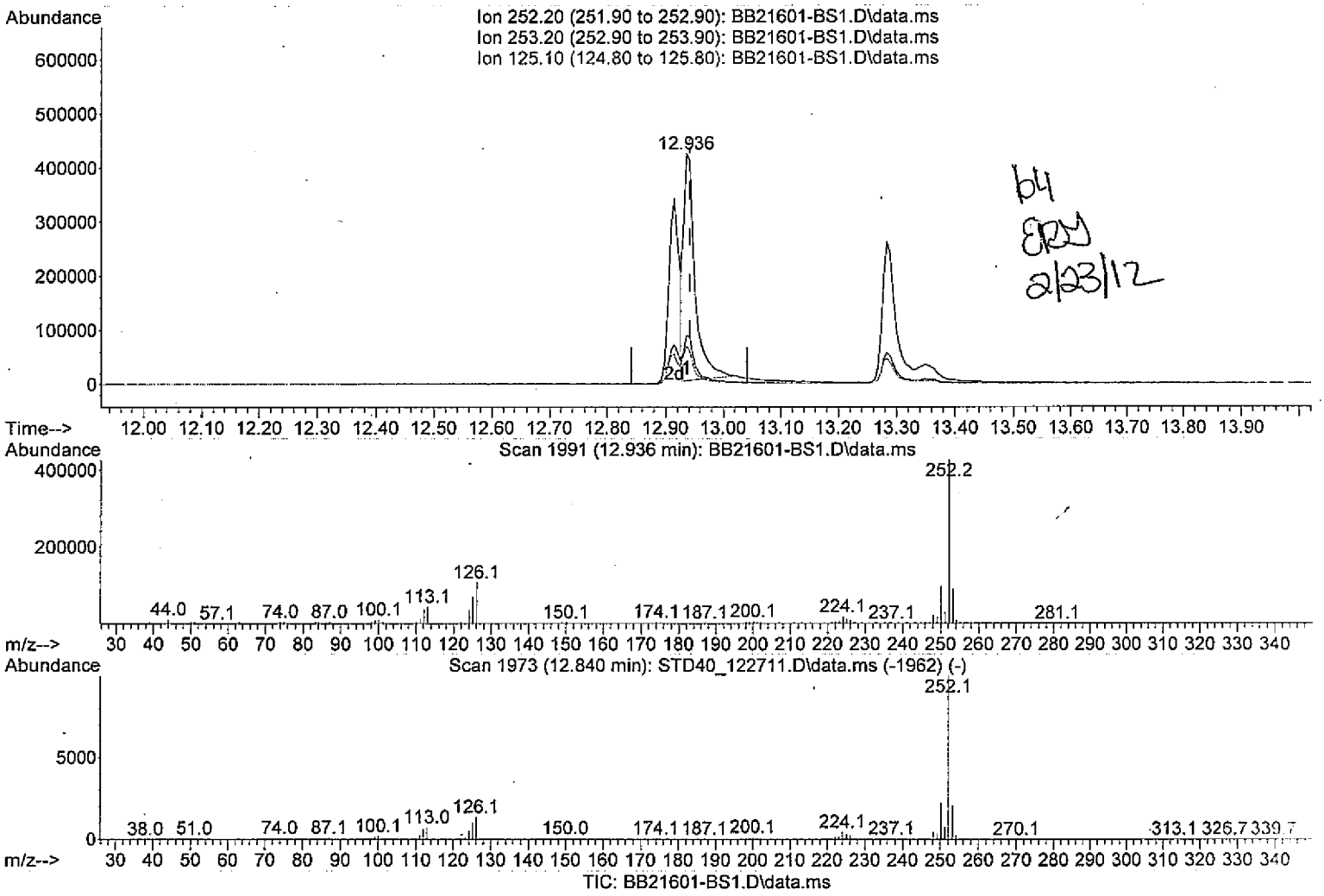
Quant Time: Feb 23 14:36:38 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 10:51:34 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



b4
ERY
2/23/12

(75) Benzo(b)fluoranthene

12.936min (-0.005) 4.11 ug/mL

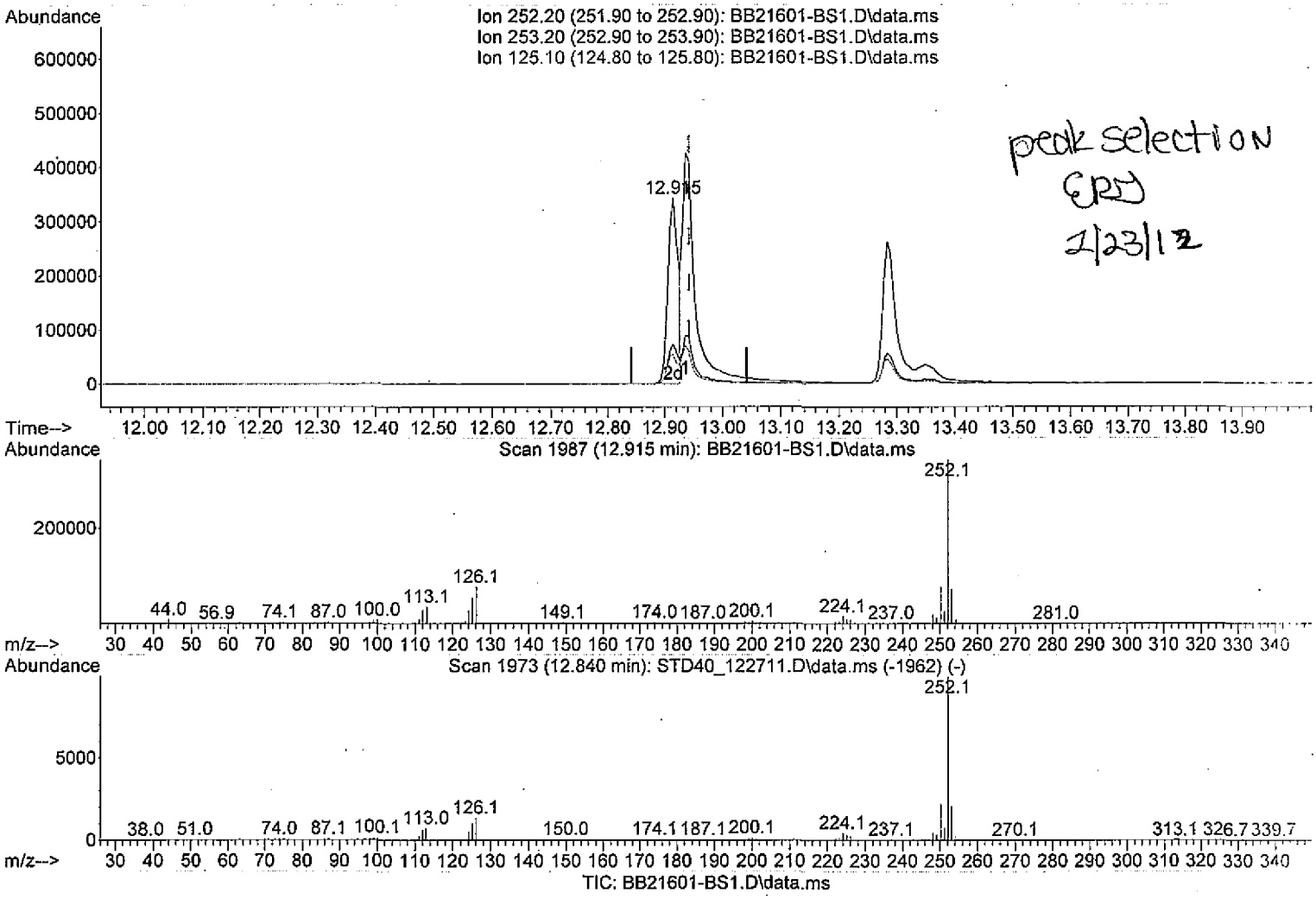
response 587793

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.98
125.10	14.70	15.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 10:51:34 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
EPD
2/23/12

(75) Benzo(b)fluoranthene

12.915min (-0.027) 2.93 ug/mL m

response 418376

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	29.48#
125.10	14.70	22.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 14:42:08 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M cali used for 1-methoxyethanol + 1-methylnaphthalene
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

EBD 2/28/12

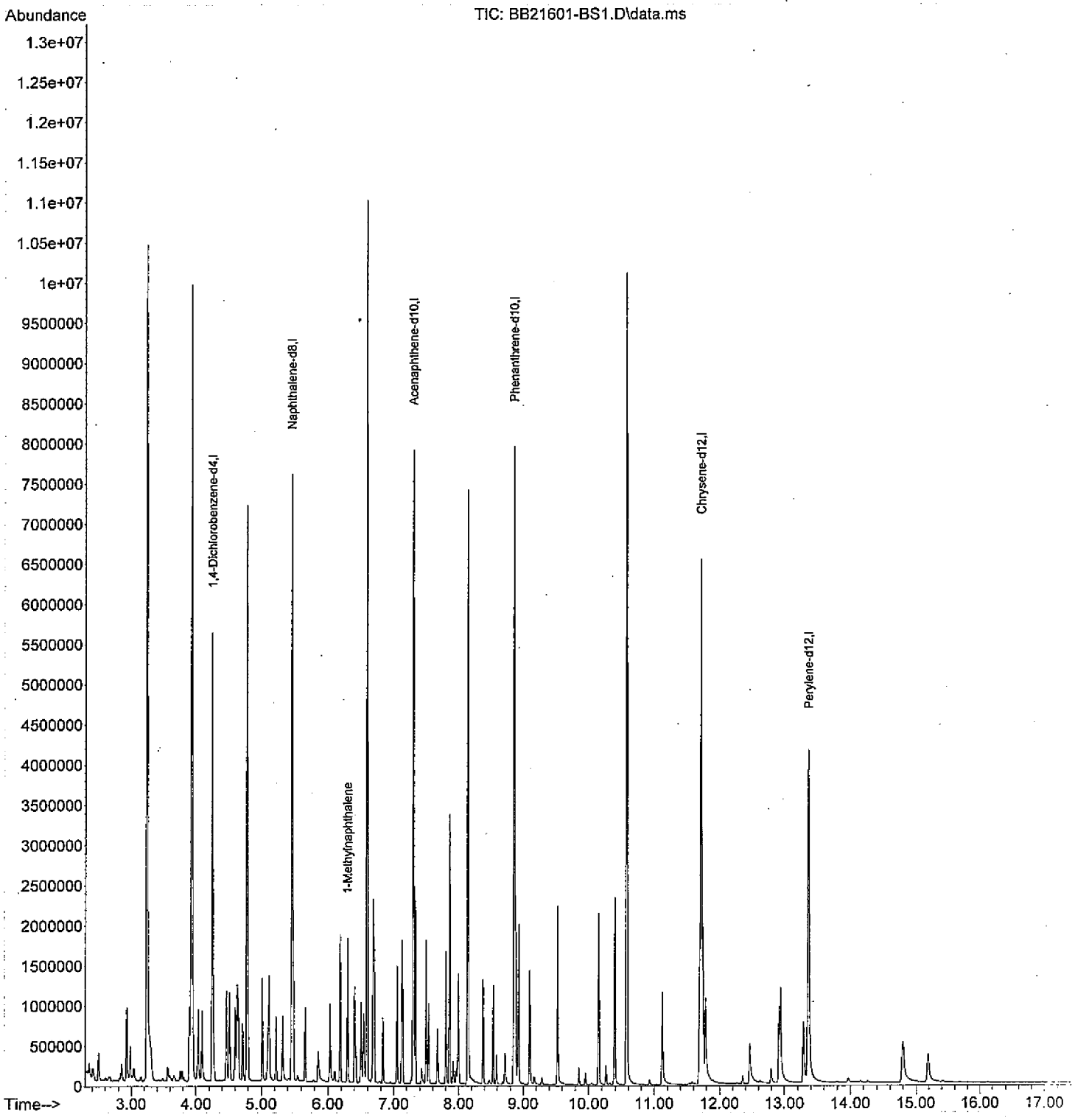
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	934868	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3672860	20.000	ug/mL	# 0.00
5) Acenaphthene-d10	7.304	164	2056756	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	3436343	20.000	ug/mL	0.00
7) Chrysene-d12	11.716	240	2899918	20.000	ug/mL	0.00
8) Perylene-d12	13.364	264	2360862	20.000	ug/mL	0.00
Target Compounds						Qvalue
4) 1-Methylnaphthalene	6.298	142	476991	4.498	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS1.D
Acq On : 22 Feb 2012 3:21 pm
Operator : ERG 96-5975B
Sample : BB21601-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 14:42:08 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS2.D
Acq On : 22 Feb 2012 4:12 pm
Operator : ERG 96-5975B
Sample : BB21601-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 14:39:08 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	848463	20.000	ug/mL	0.00
15) Naphthalene-d8	5.469	136	3332950	20.000	ug/mL	# 0.00
29) Acenaphthene-d10	7.309	164	2000930	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.866	188	3535044	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	2767606	20.000	ug/mL	# 0.00
73) Perylene-d12	13.369	264	2321009	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3297751	64.558	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery =	64.56%		
5) Phenol-d6	3.940	99	3694931	65.032	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery =	65.03%		
16) Nitrobenzene-d5	4.790	82	1809549	32.075	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery =	64.14%		
34) 2-Fluorobiphenyl	6.598	172	3617431	31.953	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery =	63.90%		
55) 2,4,6-Tribromophenol	8.154	330	966486	73.585	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery =	73.59%		
67) Terphenyl-d14	10.572	244	3537886	33.428	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	66.86%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	1326192	33.040	ug/mL#	87
4) Benzaldehyde	3.902	77	1773453	37.852	ug/mL	96
6) Phenol	3.950	94	2431407	37.863	ug/mL#	91
7) Bis(2-chloroethyl)ether	4.041	93	2167442	34.673	ug/mL	98
8) 2-Chlorophenol	4.095	128	2217975	36.341	ug/mL	97
9) 2-Methylphenol	4.475	108	2053262	37.206	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.523	45	3713574	29.515	ug/mL#	93
11) Acetophenone	4.646	105	2900243	37.651	ug/mL#	74
12) 4-Methylphenol	4.624	108	2143408	37.168	ug/mL	94
13) Hexachloroethane	4.715	117	650024	26.428	ug/mL	96
14) N-Nitroso-di-n-propyla...	4.672	70	1608427	37.790	ug/mL	89
17) Nitrobenzene	4.811	77	2300922	38.155	ug/mL	96
18) Isophorone	5.031	82	4394859	39.143	ug/mL	95
19) 2-Nitrophenol	5.111	139	1213136	40.452	ug/mL#	86
20) 2,4-Dimethylphenol	5.132	107	2164769	39.079	ug/mL	93
21) Bis(2-chloroethoxy)met...	5.234	93	2389275	33.993	ug/mL	99
22) 2-4-Dichlorophenol	5.336	162	1830432	40.545	ug/mL	97
23) Naphthalene	5.491	128	5636512	36.269	ug/mL	99
24) 4-Chloroaniline	5.555	127	29666	0.432	ug/mL#	42
25) Hexachlorobutadiene	5.662	225	772476	32.432	ug/mL	99
26) Caprolactam	5.940	113	705173	39.417	ug/mL	79
27) 4-Chloro-3-methylphenol	6.058	107	2094742	44.099	ug/mL	94
28) 2-Methylnaphthalene	6.197	142	4210235	38.493	ug/mL	99
30) Hexachlorocyclopentadiene	6.427	237	785648	34.031	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.411	216	1721359	34.568	ug/mL#	98
32) 2,4,6-Trichlorophenol	6.512	196	1264528	38.093	ug/mL	93
33) 2,4,5-Trichlorophenol	6.561	196	1325711	38.757	ug/mL	93
35) 2-Chloronaphthalene	6.705	162	3662191	33.964	ug/mL	96
36) 1,1-Biphenyl	6.689	154	4615658	33.411	ug/mL	99

1%

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS2.D
Acq On : 22 Feb 2012 4:12 pm
Operator : ERG 96-5975B
Sample : BB21601-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 14:39:08 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
37) 2-Nitroaniline	6.844	65	1571665	39.164 ug/mL	90	
38) Acenaphthylene	7.149	152	5495117	32.799 ug/mL	99	
39) Dimethyl phthalate	7.074	163	5239119	39.636 ug/mL	99	
40) 2,6-Dinitrotoluene	7.149	165	1007233	39.710 ug/mL	88	
41) 3-Nitroaniline	7.277	138	69049	1.955 ug/mL#	86	4.9%
42) Acenaphthene	7.347	153	4204418	36.073 ug/mL	97	
43) 2,4-Dinitrophenol	7.390	184	427394	34.079 ug/mL	96	
44) Dibenzofuran	7.513	168	5794816	37.825 ug/mL	99	
45) 4-Nitrophenol	7.459	109	686983	47.812 ug/mL	98	
46) 2,4-Dinitrotoluene	7.555	165	1816648	44.227 ug/mL	97	
47) 2,3,4,6-tetrachlorophenol	7.684	232	1081951	42.932 ug/mL#	92	
48) Fluorene	7.882	166	4061860	37.068 ug/mL	100	
49) Diethyl phthalate	7.823	149	5228683	42.126 ug/mL	99	
50) 4-Chlorophenyl phenyl ...	7.871	204	1893890	37.258 ug/mL	95	
51) 4-Nitroaniline	7.951	138	850313	28.531 ug/mL	98	
53) 4,6-Dinitro-2-methylph...	7.994	198	910514	48.394 ug/mL#	44	
54) N-Nitrosodiphenylamine	8.010	169	3480893	31.789 ug/mL	96	
56) 4-Bromophenyl phenyl e...	8.384	248	1241240	38.774 ug/mL	97	
57) Hexachlorobenzene	8.550	284	1377683	40.022 ug/mL	97	
58) Atrazine	8.609	200	664458	17.979 ug/mL	97	45%
59) Pentachlorophenol	8.737	266	885828	41.905 ug/mL	99	
60) Phenanthrene	8.898	178	7178267	39.015 ug/mL	98	
61) Anthracene	8.946	178	7431218	39.795 ug/mL	99	
62) Carbazole	9.117	167	6619964	38.676 ug/mL	99	
63) Di-n-butyl phthalate	9.540	149	8777220	43.762 ug/mL	99	
64) Fluoranthene	10.165	202	8045630	41.756 ug/mL#	91	
66) Pyrene	10.406	202	8305043	42.686 ug/mL#	91	
68) Butyl benzyl phthalate	11.134	149	3581735	44.542 ug/mL	98	
69) Benzo(a)anthracene	11.706	228	6529698	43.311 ug/mL	99	
71) Chrysene	11.759	228	6021469	41.266 ug/mL	98	
72) Bis(2-ethylhexyl)phtha...	11.786	149	4605696	44.311 ug/mL	98	
74) Di-n-octyl phthalate	12.481	149	7529887	46.366 ug/mL	100	
75) Benzo(b)fluoranthene	12.931	252	5441741	38.719 ug/mL	99	
76) Benzo(k)fluoranthene	12.968	252	5561992	42.108 ug/mL	96	
77) Benzo(a)pyrene	13.310	252	5319741	41.984 ug/mL	97	
78) Indeno(1,2,3-cd)pyrene	14.819	276	4226282	40.498 ug/mL#	85	
79) Dibenz(a,h)anthracene	14.840	278	3449003	40.901 ug/mL	96	
80) Benzo(ghi)perylene	15.231	276	3355713	38.671 ug/mL	97	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

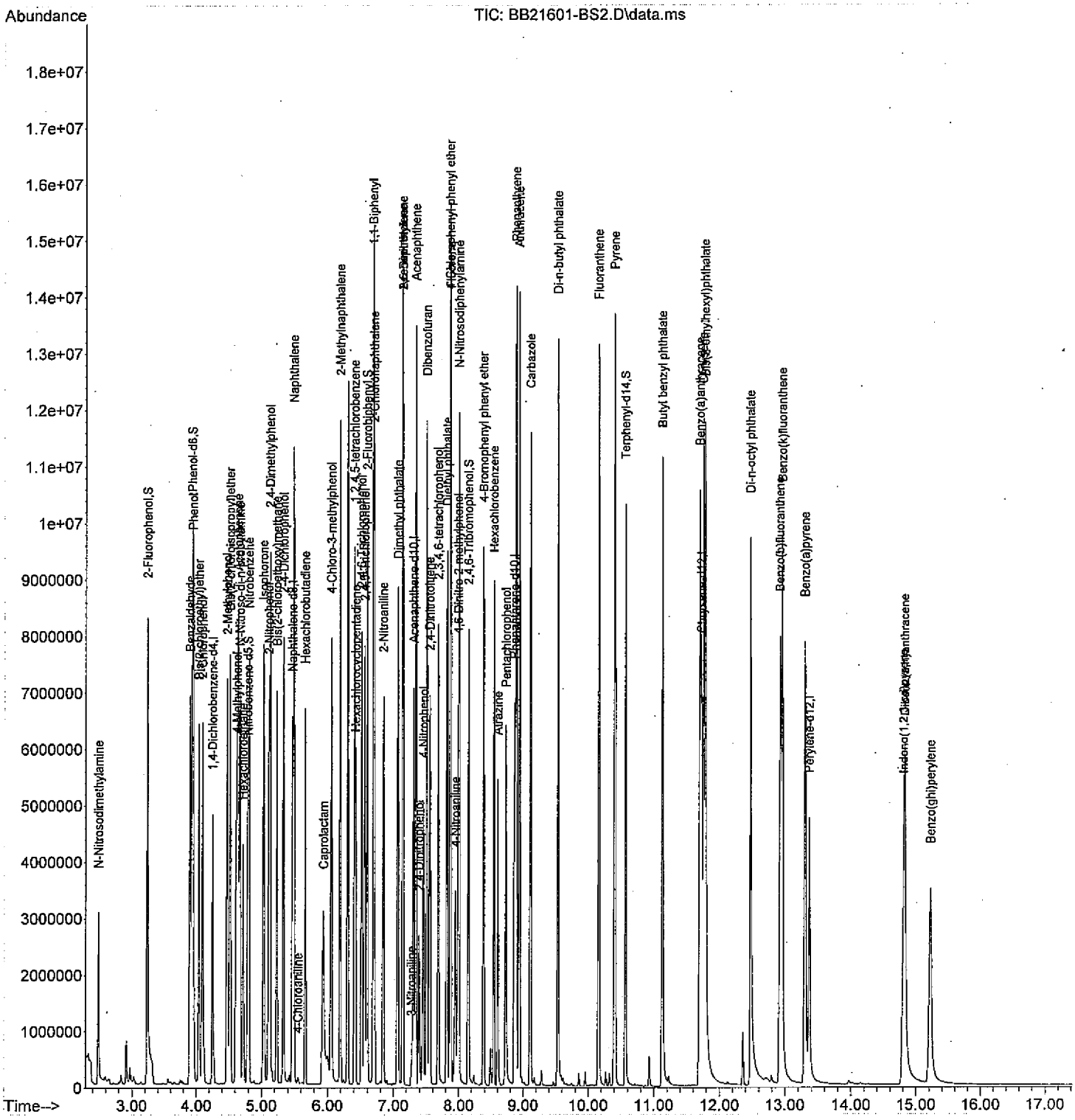
No #70: 3,3'-Dichlorobenzidine

1% recovery for 4-Chloroaniline

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS2.D
Acq On : 22 Feb 2012 4:12 pm
Operator : ERG 96-5975B
Sample : BB21601-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 14:39:08 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS2.D
Acq On : 22 Feb 2012 4:12 pm
Operator : ERG 96-5975B
Sample : BB21601-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 14:42:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M cali used for 2-methoxyethanol + 1-methylnaphthalene ELY 2/28/12
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

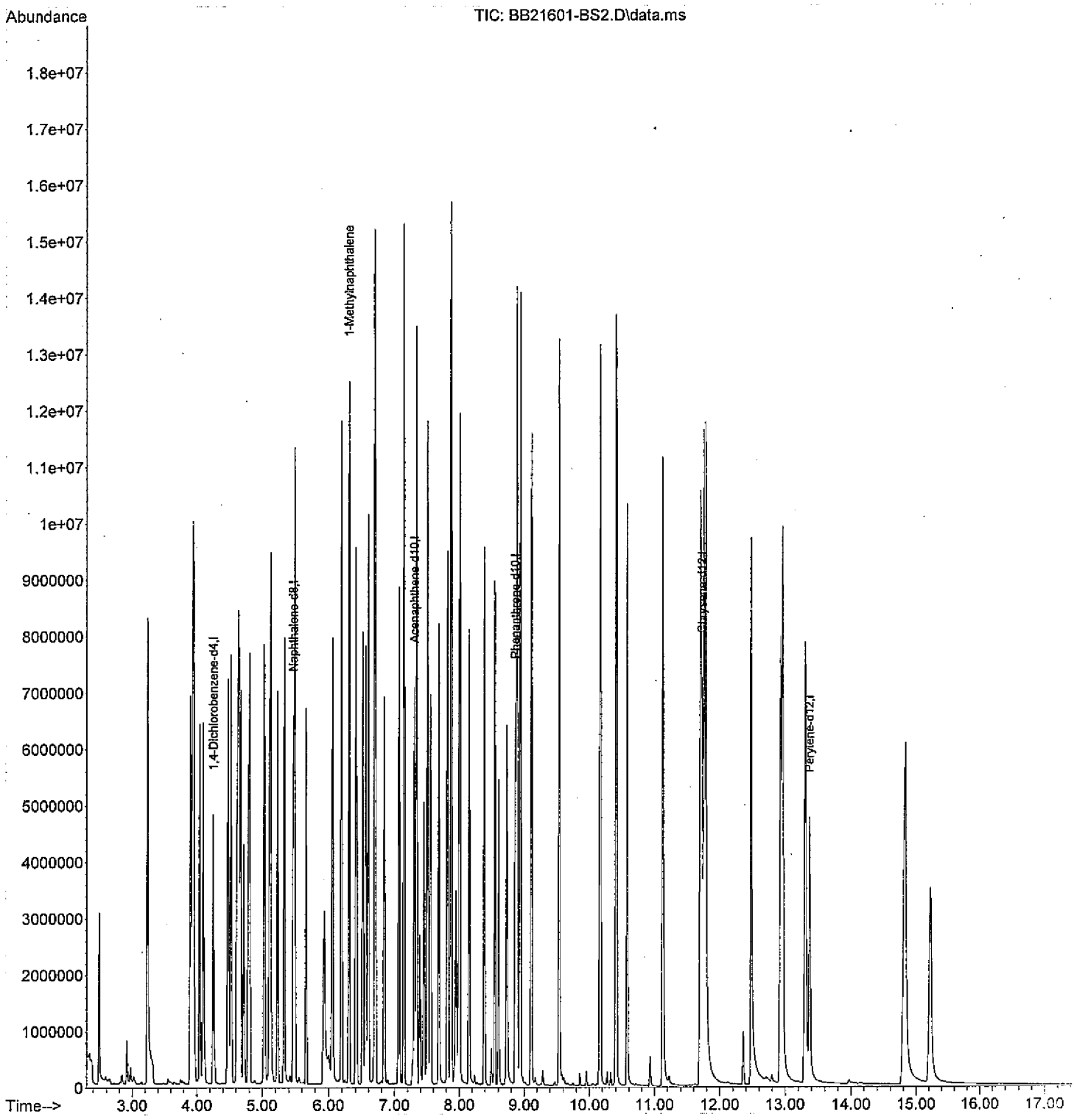
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	848463	20.000 ug/mL	0.00
3) Naphthalene-d8	5.469	136	3332950	20.000 ug/mL	# 0.00
5) Acenaphthene-d10	7.309	164	2000930	20.000 ug/mL	0.00
6) Phenanthrene-d10	8.866	188	3535044	20.000 ug/mL	0.00
7) Chrysene-d12	11.727	240	2767606	20.000 ug/mL	# 0.02
8) Perylene-d12	13.369	264	2321009	20.000 ug/mL	0.01
Target Compounds					Qvalue
4) 1-Methylnaphthalene	6.309	142	3965105	41.205 ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BS2.D
Acq On : 22 Feb 2012 4:12 pm
Operator : ERG 96-5975B
Sample : BB21601-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 14:42:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\022212\DFTPPP0112.D
Tune Time : 22 Feb 2012 11:31 am

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012.D

						1383290	5416330	2769460
						4831900	3659970	2970560

File	Sample	Surrogate Recovery %				Internal Standard Responses		
1202004-29.D								
	1202004-29	57	66	58	59	893884	3646518	2010448
		60	63			3388946	2732828	2075820
BB21601-BLK1.D								
	BB21601-BL	57	64	58	59	937010	3693241	2022238
		57	61			3400331	2815725	2125258
BB21601-BS1.D								
	BB21601-BS	67	65	66	66	934868	3672860	2056756
		71	68			3436343	2899918	2360862
BB21601-BS2.D								
	BB21601-BS	65	65	64	64	848463	3332950	2000930
		74	67			3535044	2767606	2321009
STD60A_021012.D								
	STD60A_021	94	91	104	104	696061	2681400*	1493258
		95	102			2789668	2111399	1720367

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 23 14:44:55 2012 CWA

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\022212\DFTPPP0112.D
Tune Time : 22 Feb 2012 11:31 am

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012B.D

	1386250	5560430	2819180
	4429210	3516950	2884680

File	Sample	Surrogate Recovery %	Internal Standard Responses	
1202004-29.D				
	1202004-29	893884	3646518	2010448
		3388946	2732828	2075820
BB21601-BLK1.D				
	BB21601-BL	937010	3693241	2022238
		3400331	2815725	2125258
BB21601-BS1.D				
	BB21601-BS	934868	3672860	2056756
		3436343	2899918	2360862
BB21601-BS2.D				
	BB21601-BS	848463	3332950	2000930
		3535044	2767606	2321009
STD40A_021012B.D				
	STD40A_021	754941	2923118	1619013
		2676890	1976018	1446564

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 23 14:45:57 2012 CWA

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 14:32:19 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

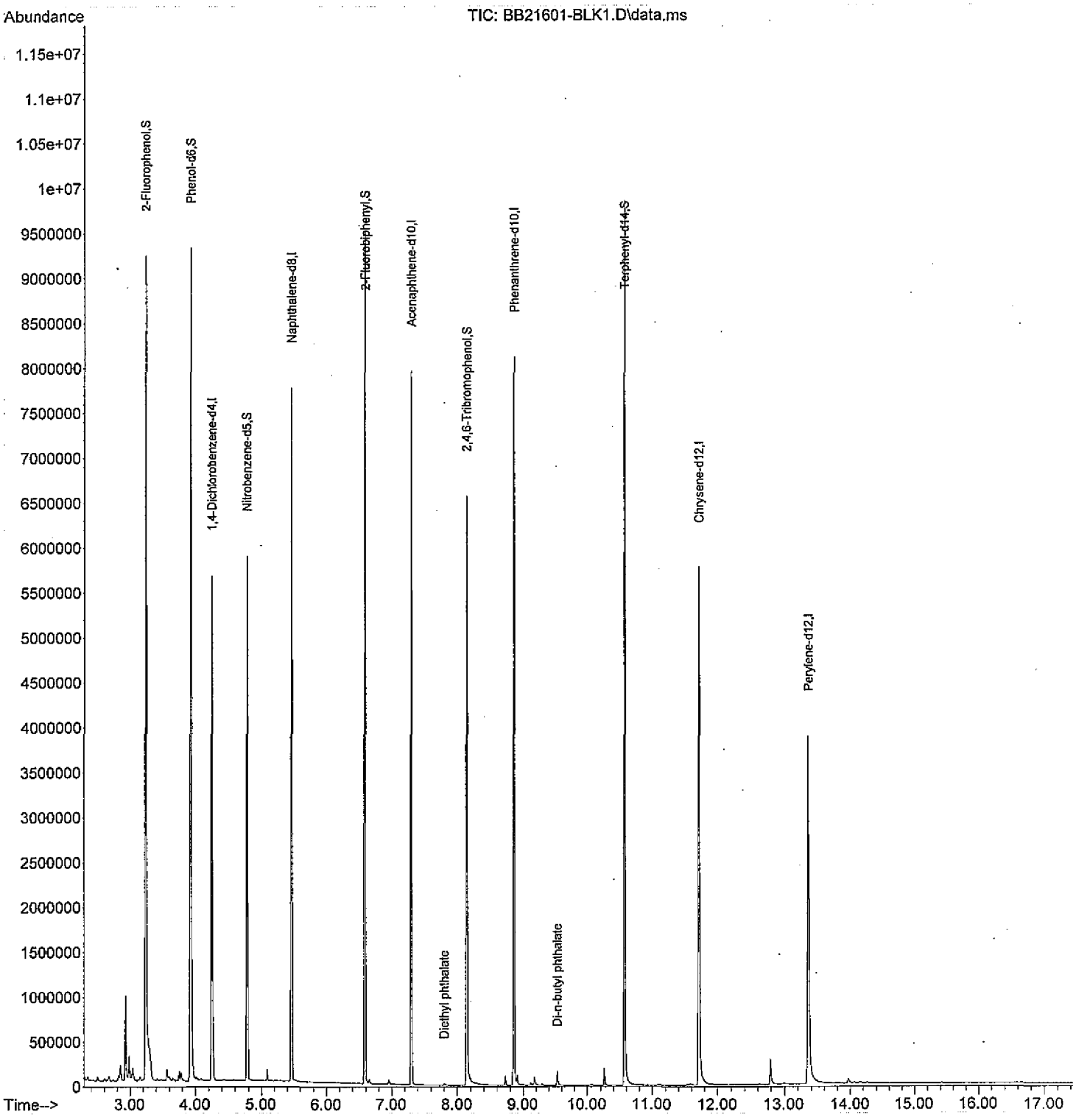
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	937010	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3693241	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.298	164	2022238	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.860	188	3400331	20.000	ug/mL	-0.01
65) Chrysene-d12	11.716	240	2815725	20.000	ug/mL	-0.01
73) Perylene-d12	13.358	264	2125258	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3236455	57.371	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 57.37%			
5) Phenol-d6	3.934	99	3991584	63.615	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 63.61%			
16) Nitrobenzene-d5	4.779	82	1822041	29.146	ug/mL	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 58.30%			
34) 2-Fluorobiphenyl	6.592	172	3374553	29.494	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 58.98%			
55) 2,4,6-Tribromophenol	8.144	330	716249	56.694	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 56.69%			
67) Terphenyl-d14	10.572	244	3303284	30.678	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 61.36%			
Target Compounds						Qvalue
49) Diethyl phthalate	7.801	149	2204	0.018	ug/mL	97
63) Di-n-butyl phthalate	9.529	149	92556	0.480	ug/mL	99

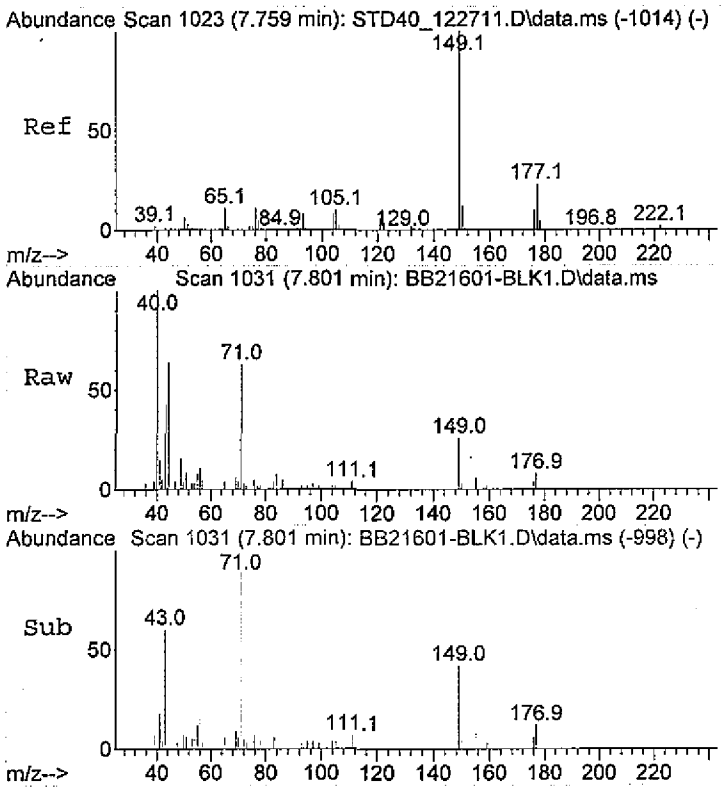
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 14:32:19 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

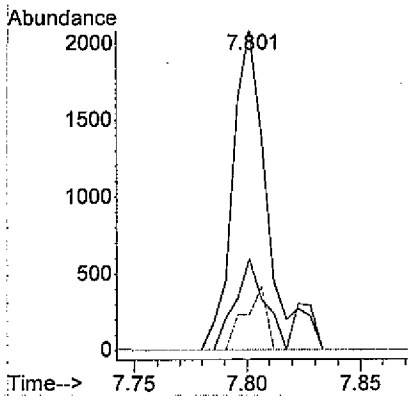


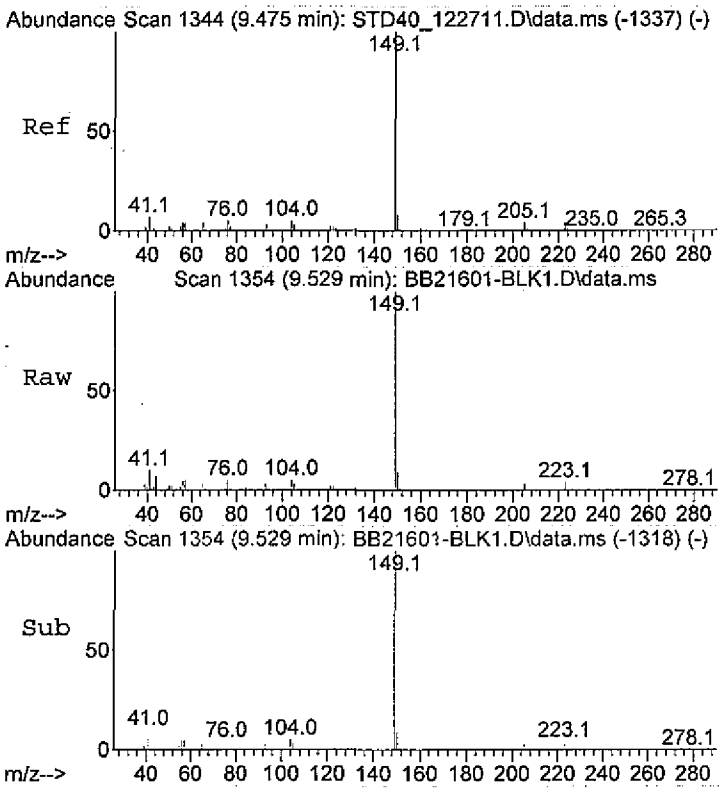


#49
Diethyl phthalate
Concen: 0.018 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: BB21601-BLK1.D
Acq: 22 Feb 2012 2:29 pm

Tgt Ion:149 Resp: 2204

Ion	Ratio	Lower	Upper
149	100		
177	24.9	18.7	28.1
150	12.7	9.5	14.3

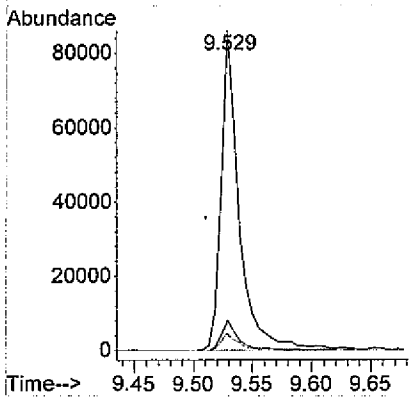




#63
Di-n-butyl phthalate
Concen: 0.480 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: BB21601-BLK1.D
Acq: 22 Feb 2012 2:29 pm

Tgt Ion:149 Resp: 92556

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.4	11.2
104	5.1	4.2	6.4



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 14:41:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

Cali used for 2-methoxyethanol + 1-methylNaphthalene EDM 2/28/12

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	937010	20.000 ug/mL	0.00
3) Naphthalene-d8	5.464	136	3693241	20.000 ug/mL	# 0.00
5) Acenaphthene-d10	7.298	164	2022238	20.000 ug/mL	0.00
6) Phenanthrene-d10	8.860	188	3400331	20.000 ug/mL	0.00
7) Chrysene-d12	11.716	240	2815725	20.000 ug/mL	0.00
8) Perylene-d12	13.358	264	2125258	20.000 ug/mL	0.00

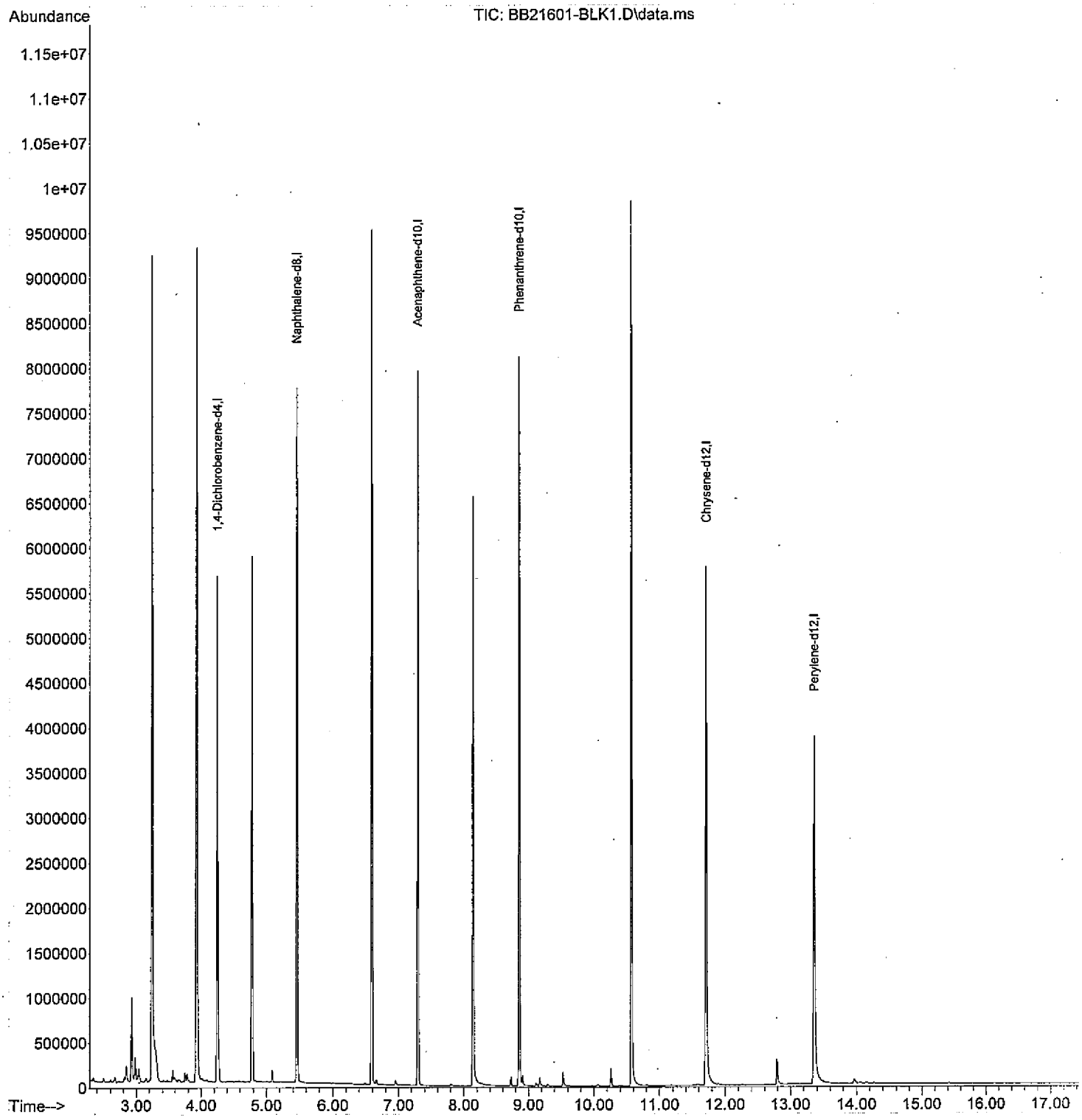
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 14:41:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Sample Data

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 11:07:33 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

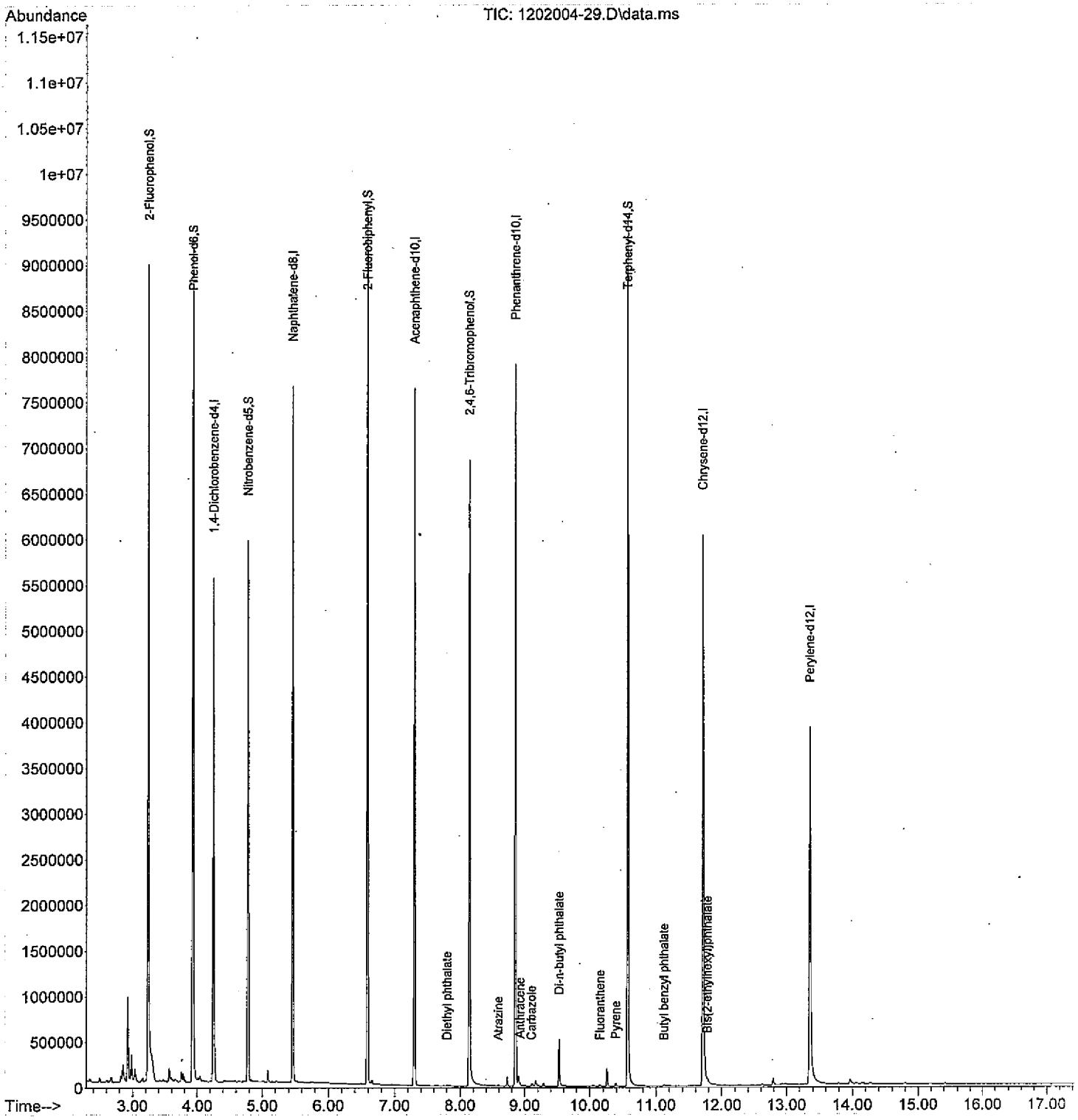
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	893884	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3646518	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.304	164	2010448	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	3388946	20.000	ug/mL	-0.01
65) Chrysene-d12	11.711	240	2732828	20.000	ug/mL	-0.02
73) Perylene-d12	13.359	264	2075820	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	3074099	57.122	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery =	57.12%		
5) Phenol-d6	3.934	99	3920740	65.500	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery =	65.50%		
16) Nitrobenzene-d5	4.779	82	1788523	28.976	ug/mL	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery =	57.96%		
34) 2-Fluorobiphenyl	6.587	172	3370241	29.629	ug/mL	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery =	59.26%		
55) 2,4,6-Tribromophenol	8.144	330	759012	60.280	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery =	60.28%		
67) Terphenyl-d14	10.572	244	3267992	31.271	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	62.54%		
Target Compounds						Qvalue
49) Diethyl phthalate	7.801	149	2477	0.020	ug/mL#	92
58) Atrazine	8.588	200	1512	0.043	ug/mL	97
61) Anthracene	8.925	178	8499	0.047	ug/mL	98
62) Carbazole	9.101	167	9431	0.057	ug/mL	98
63) Di-n-butyl phthalate	9.529	149	290584	1.511	ug/mL	100
64) Fluoranthene	10.155	202	11254	0.061	ug/mL	93
66) Pyrene	10.390	202	12526	0.065	ug/mL	97
68) Butyl benzyl phthalate	11.117	149	4761	0.060	ug/mL#	91
72) Bis(2-ethylhexyl)phtha...	11.775	149	6747	0.066	ug/mL#	93

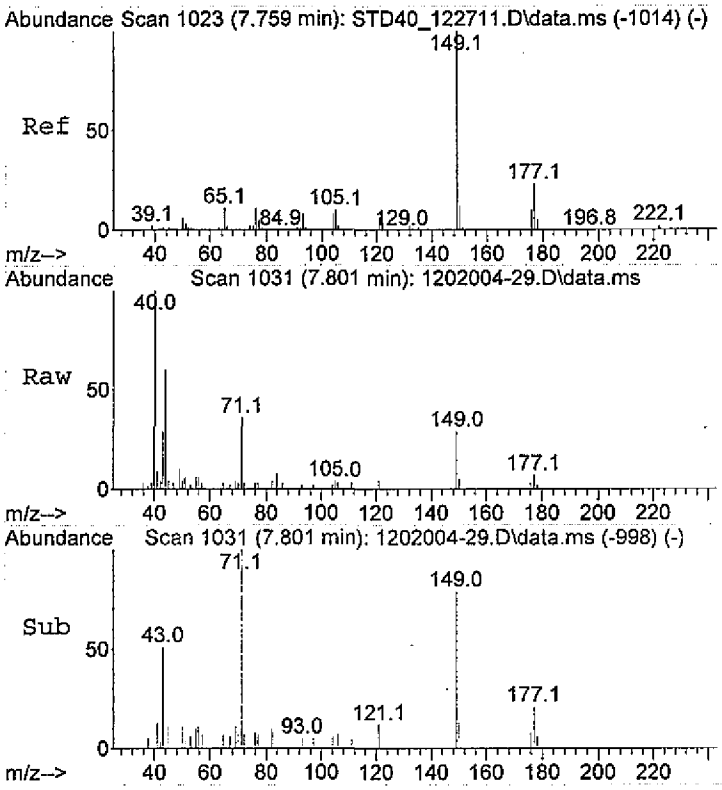
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 11:07:33 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

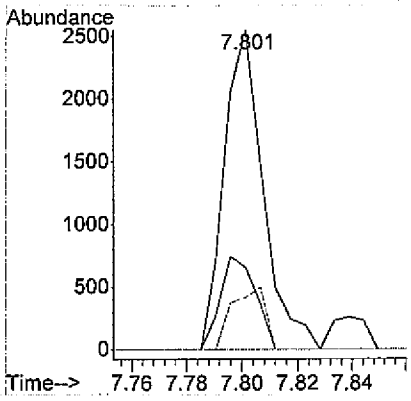


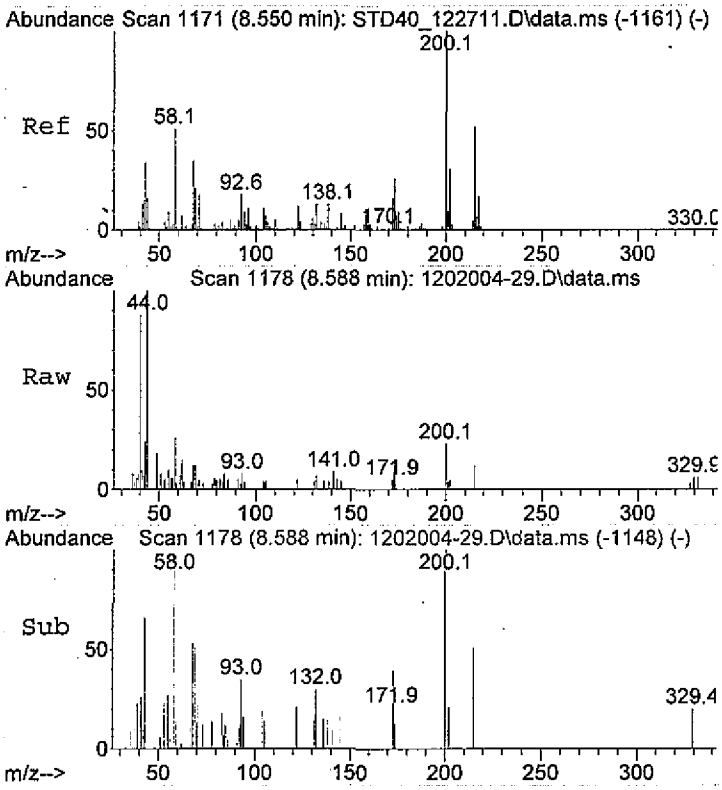


#49
Diethyl phthalate
Concen: 0.020 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:149 Resp: 2477

Ion	Ratio	Lower	Upper
149	100		
177	26.3	18.7	28.1
150	16.7	9.5	14.3#

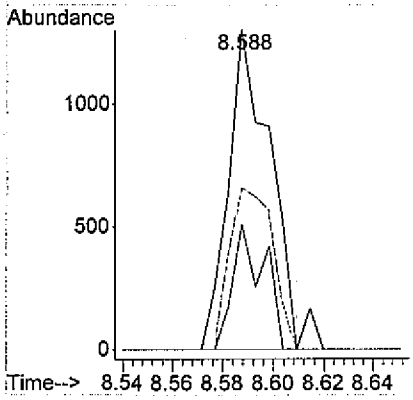


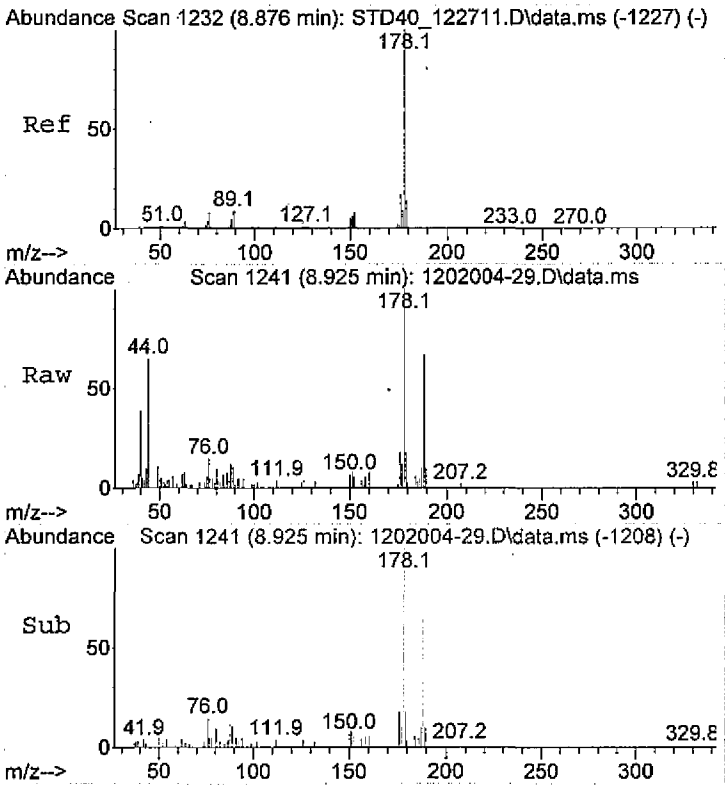


#58
Atrazine
Concen: 0.043 ug/mL
RT: 8.588 min Scan# 1178
Delta R.T. -0.037 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:200 Resp: 1512

Ion	Ratio	Lower	Upper
200	100		
173	28.8	22.3	33.5
215	51.3	42.7	64.1

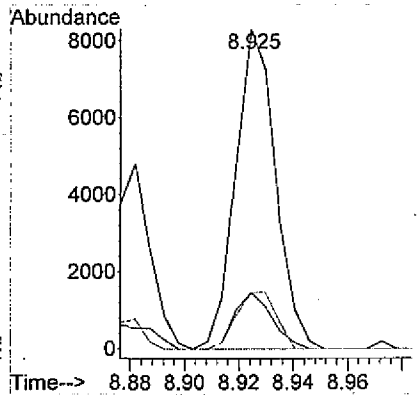


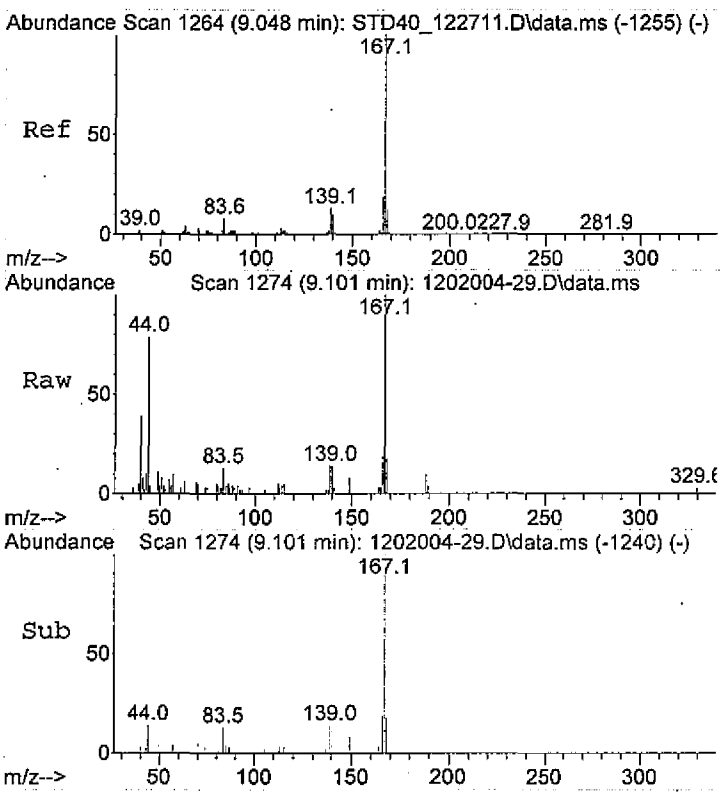


#61
Anthracene
Concen: 0.047 ug/mL
RT: 8.925 min Scan# 1241
Delta R.T. -0.021 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:178 Resp: 8499

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.2	18.4
176	17.6	14.7	22.1

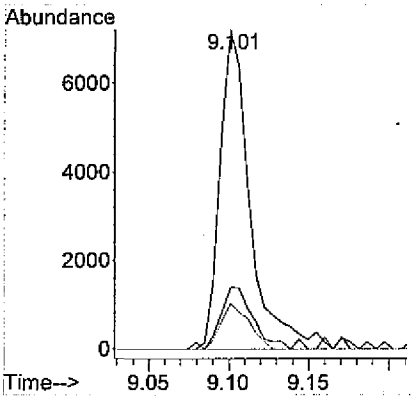


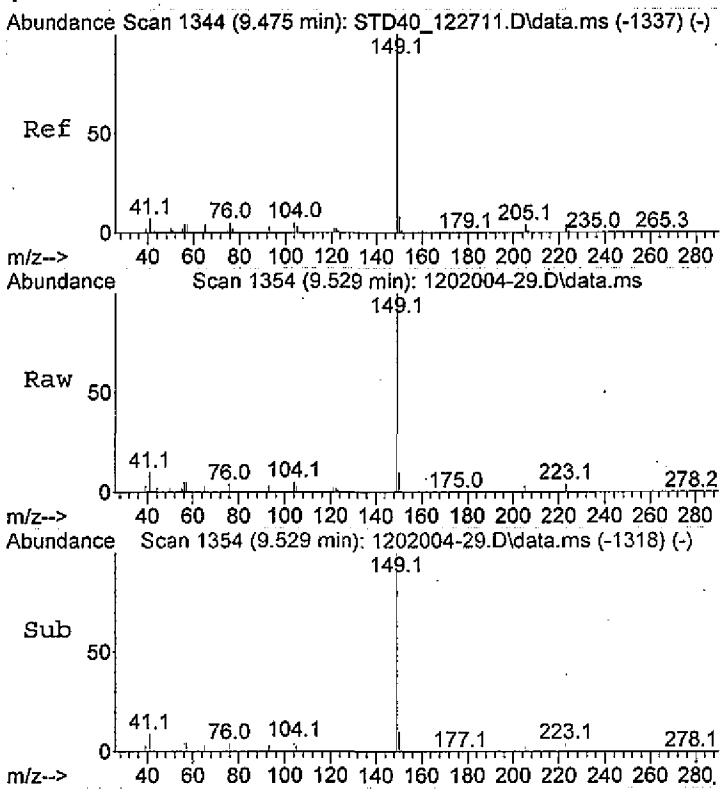


#62
Carbazole
Concen: 0.057 ug/mL
RT: 9.101 min Scan# 1274
Delta R.T. -0.016 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:167 Resp: 9431

Ion	Ratio	Lower	Upper
167	100		
166	20.9	15.8	23.8
139	13.4	10.7	16.1

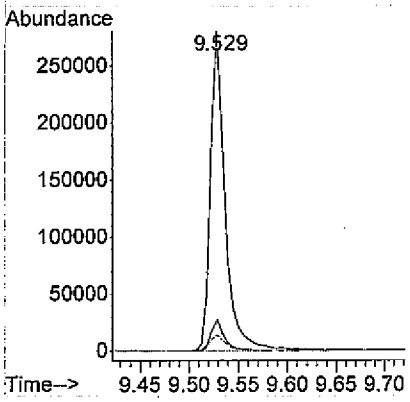


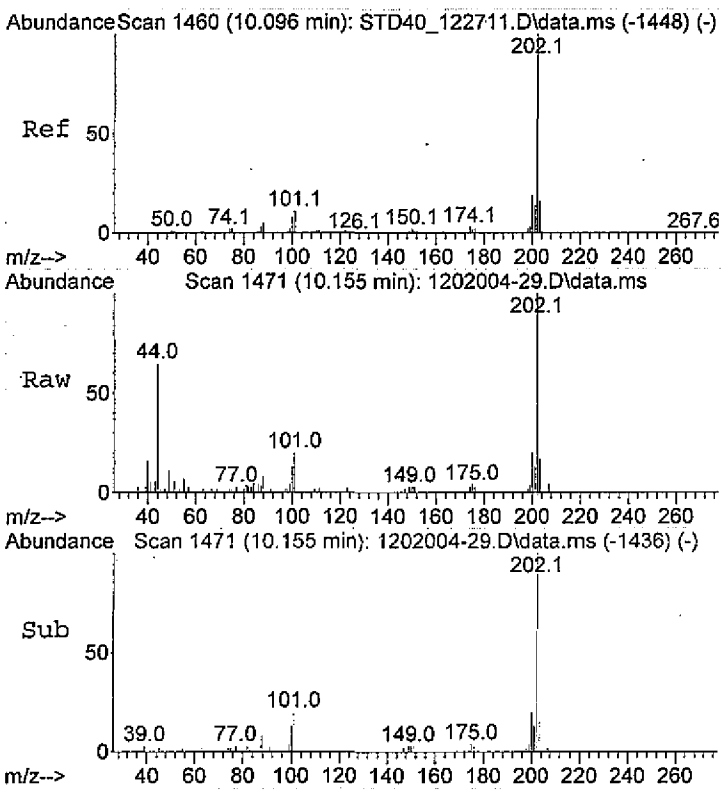


#63
Di-n-butyl phthalate
Concen: 1.511 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:149 Resp: 290584

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.4	4.2	6.4

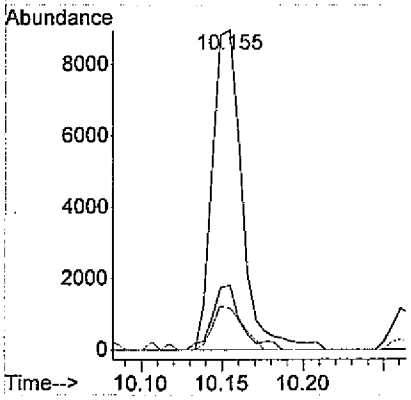


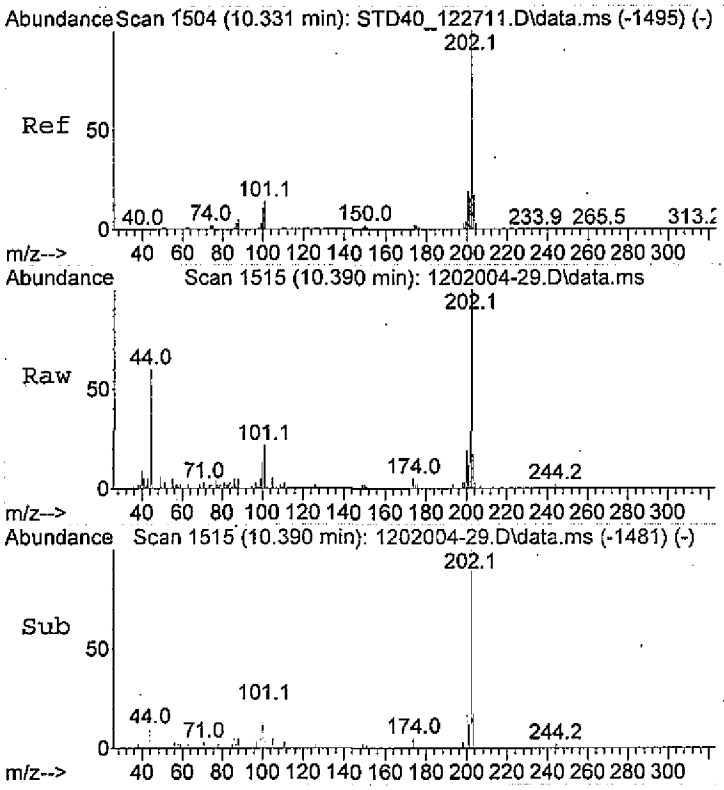


#64
Fluoranthene
Concen: 0.061 ug/mL
RT: 10.155 min Scan# 1471
Delta R.T. -0.011 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:202 Resp: 11254

Ion	Ratio	Lower	Upper
202	100		
101	19.3	13.0	19.6
100	13.6	9.0	13.6

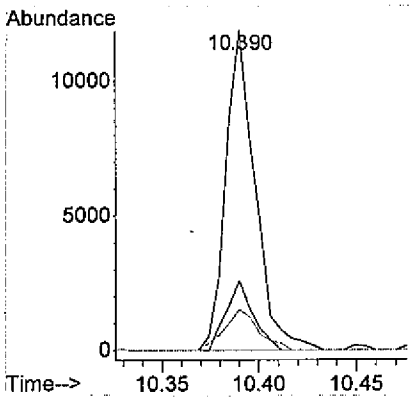


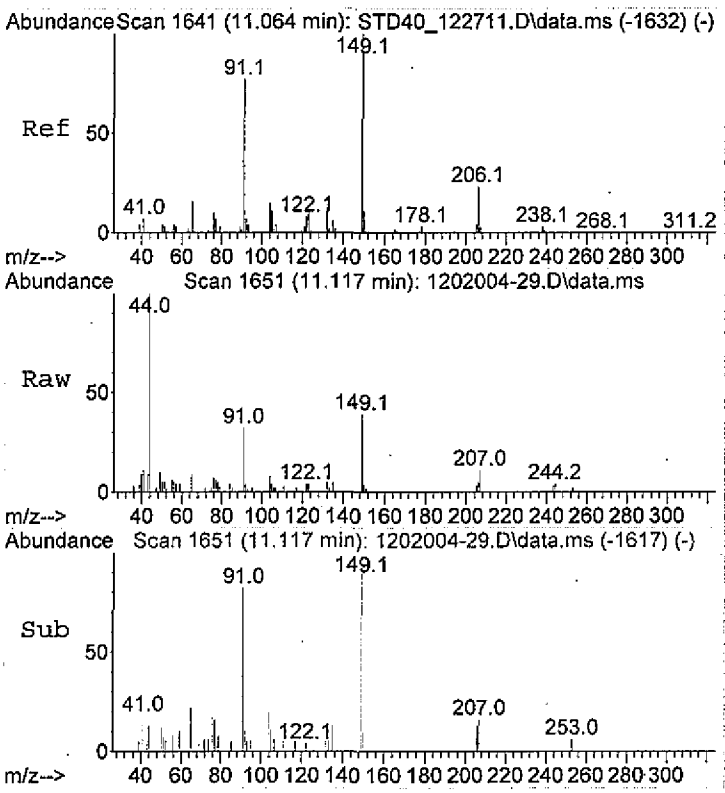


#66
Pyrene
Concen: 0.065 ug/mL
RT: 10.390 min Scan# 1515
Delta R.T. -0.016 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:202 Resp: 12526

Ion	Ratio	Lower	Upper
202	100		
101	20.1	14.7	22.1
100	14.7	11.4	17.0

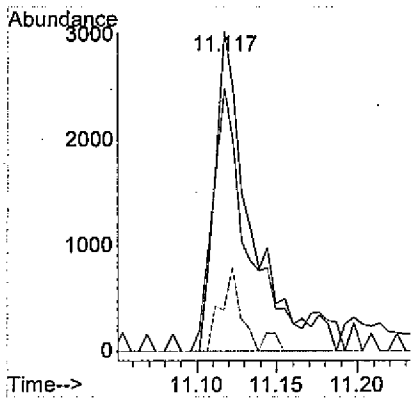


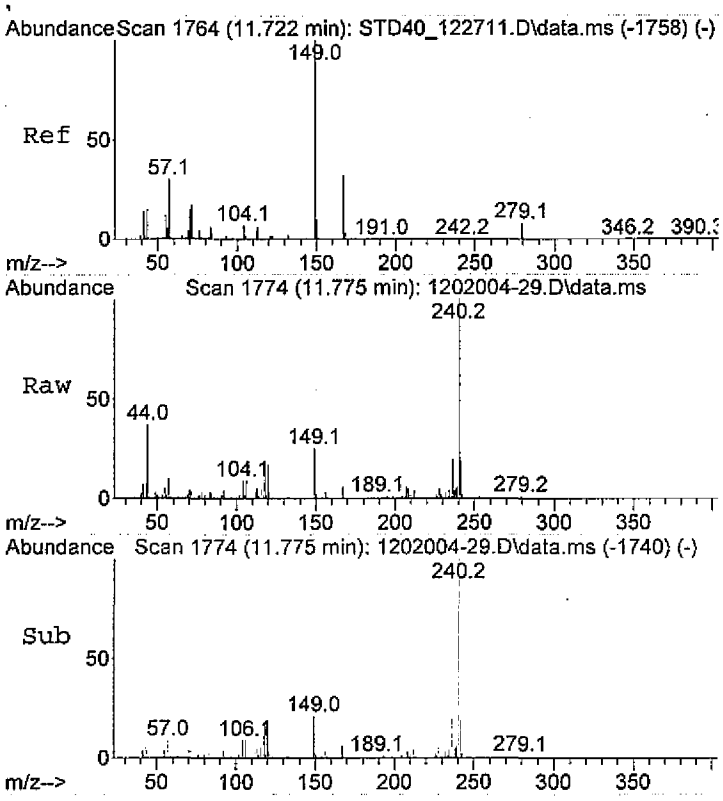


#68
Butyl benzyl phthalate
Concen: 0.060 ug/mL
RT: 11.117 min Scan# 1651
Delta R.T. -0.016 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:149 Resp: 4761

Ion	Ratio	Lower	Upper
149	100		
91	81.2	59.8	89.8
206	14.4	16.6	25.0#

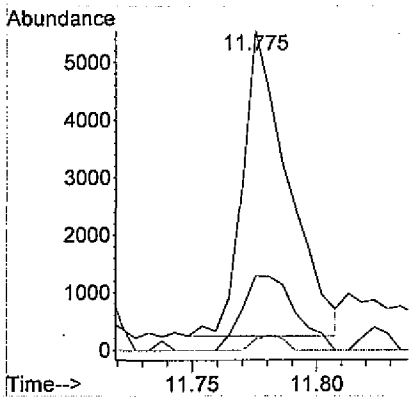




#72
Bis(2-ethylhexyl)phthalate
Concen: 0.066 ug/mL
RT: 11.775 min Scan# 1774
Delta R.T. -0.016 min
Lab File: 1202004-29.D
Acq: 22 Feb 2012 5:03 pm

Tgt Ion:149 Resp: 6747

Ion	Ratio	Lower	Upper
149	100		
167	28.8	25.8	38.6
279	3.2	5.3	7.9#



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 14:40:01 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M cali used for
Quant Title : DIMOCK Calibration 021212 1-methylnaphthalene &
QLast Update : Wed Feb 22 09:03:11 2012 2-methoxyethanol
Response via : Initial Calibration EDS 2/28/12

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	893884	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3646518	20.000	ug/mL	# 0.00
5) Acenaphthene-d10	7.304	164	2010448	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	3388946	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2732828	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2075820	20.000	ug/mL	0.00

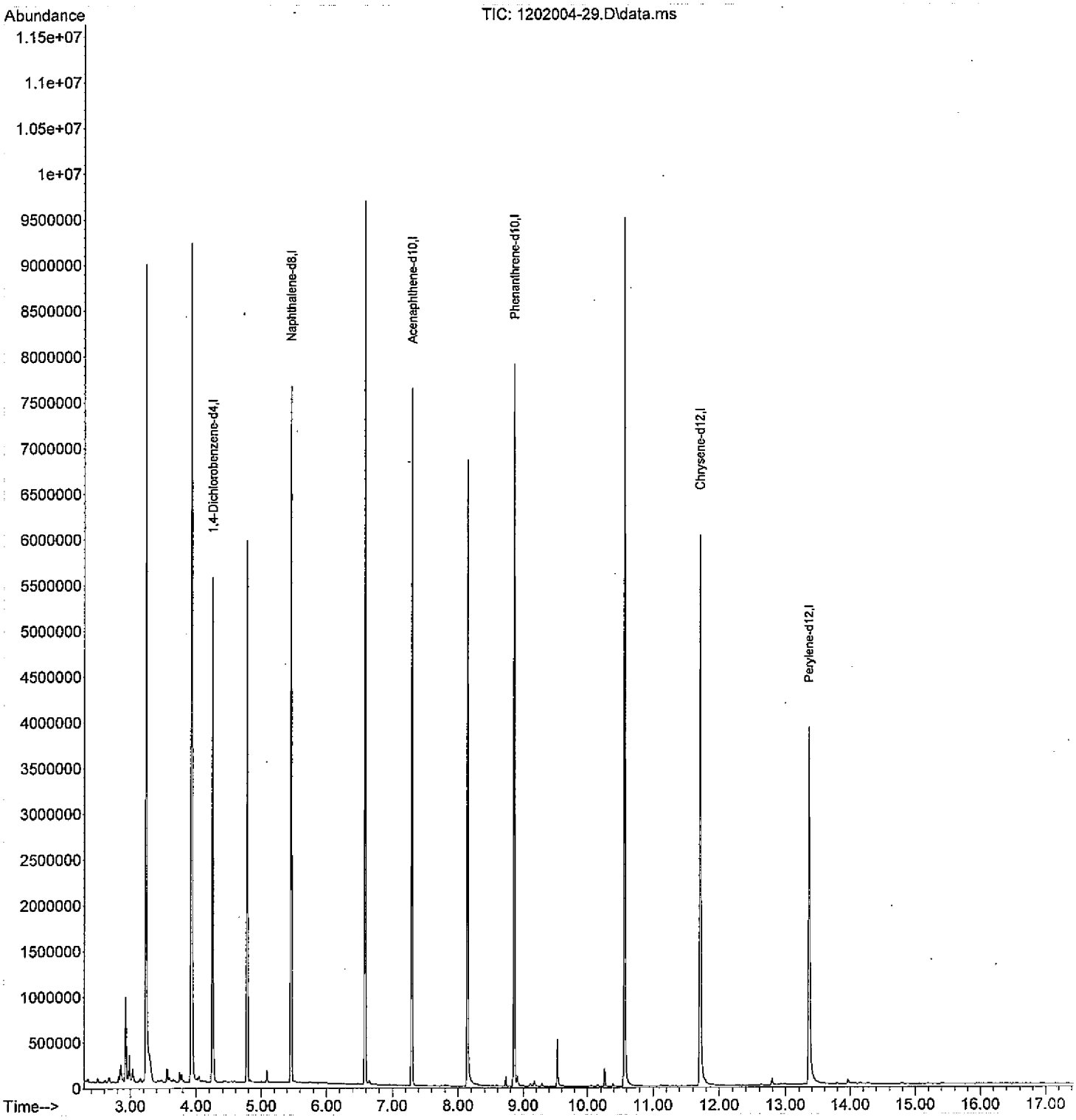
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 14:40:01 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: BB21601-BLK1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.843	101	104	115	rVB	168516	207069	1.77%	0.196%
2	2.923	115	119	126	rBV	939954	1042069	8.92%	0.988%
3	2.982	126	130	134	rVV	266823	319340	2.73%	0.303%
4	3.036	136	140	146	rVB	138716	189078	1.62%	0.179%
5	3.239	173	178	202	rVB	9180638	11657809	99.75%	11.051%
6	3.560	234	238	241	rBV	128778	129055	1.10%	0.122%
7	3.934	301	308	321	rBV	9275649	11686587	100.00%	11.078%
8	4.250	362	367	375	rBV	5620398	5984013	51.20%	5.672%
9	4.779	461	466	473	rBV	5843168	6325455	54.13%	5.996%
10	5.464	589	594	599	rBV	7713680	7730999	66.15%	7.328%
11	6.592	799	805	808	rBV	9500591	9935839	85.02%	9.418%
12	7.298	932	937	942	rBV	7940338	8334892	71.32%	7.901%
13	8.144	1090	1095	1118	rBV	6553327	7398201	63.31%	7.013%
14	8.860	1223	1229	1233	rBV	8102881	8535135	73.03%	8.091%
15	8.908	1235	1238	1245	rVB	110404	121664	1.04%	0.115%
16	9.529	1350	1354	1365	rBV	158827	182768	1.56%	0.173%
17	10.262	1487	1491	1498	rBV	194763	190139	1.63%	0.180%
18	10.572	1543	1549	1571	rBV	9838610	10978554	93.94%	10.407%
19	11.711	1756	1762	1783	rBV	5762722	7920031	67.77%	7.507%
20	12.791	1959	1964	1978	rBV	281843	383009	3.28%	0.363%
21	13.358	2062	2070	2094	rBV	3865014	6243849	53.43%	5.919%

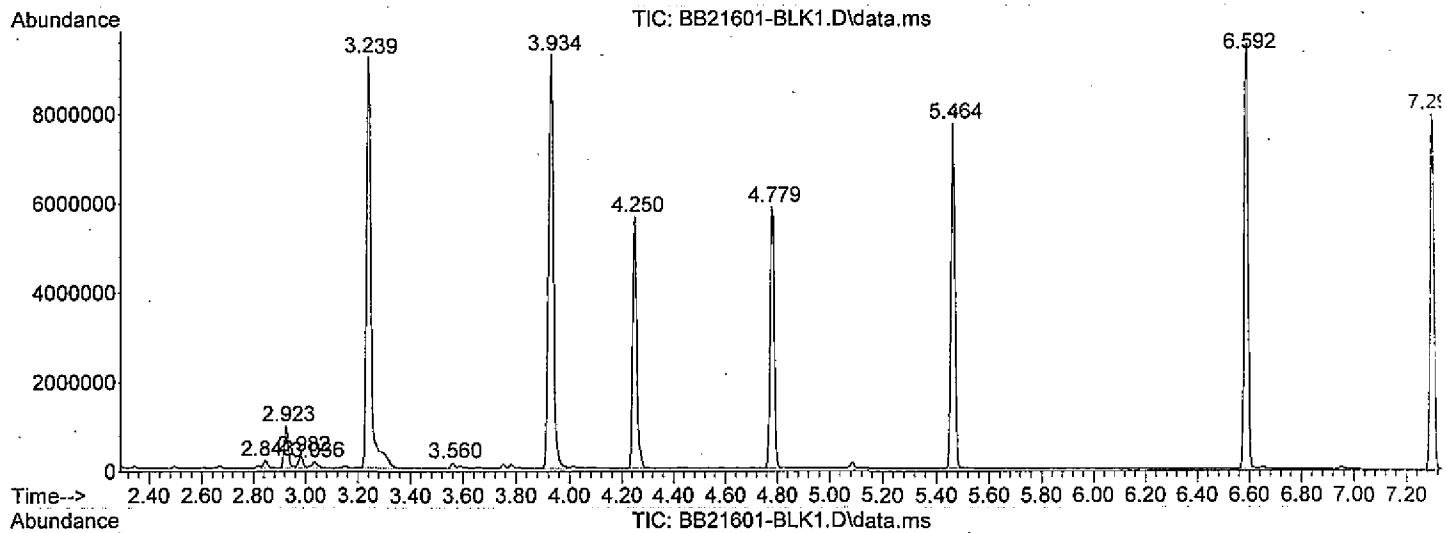
Sum of corrected areas: 105495555

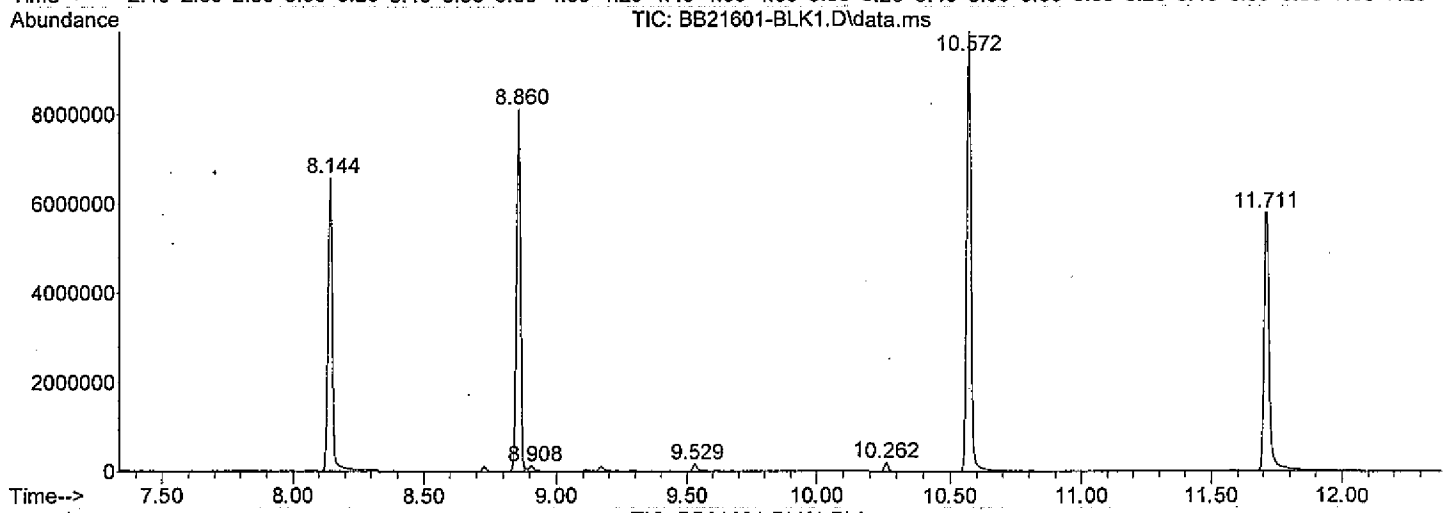
LSC Report - Integrated Chromatogram

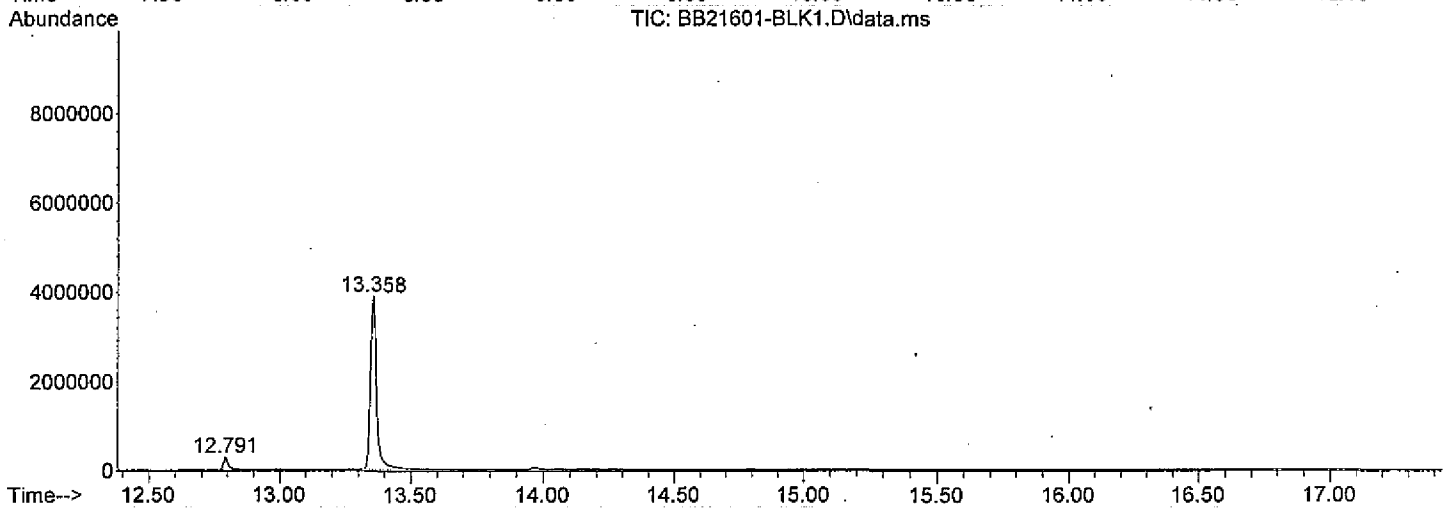
Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

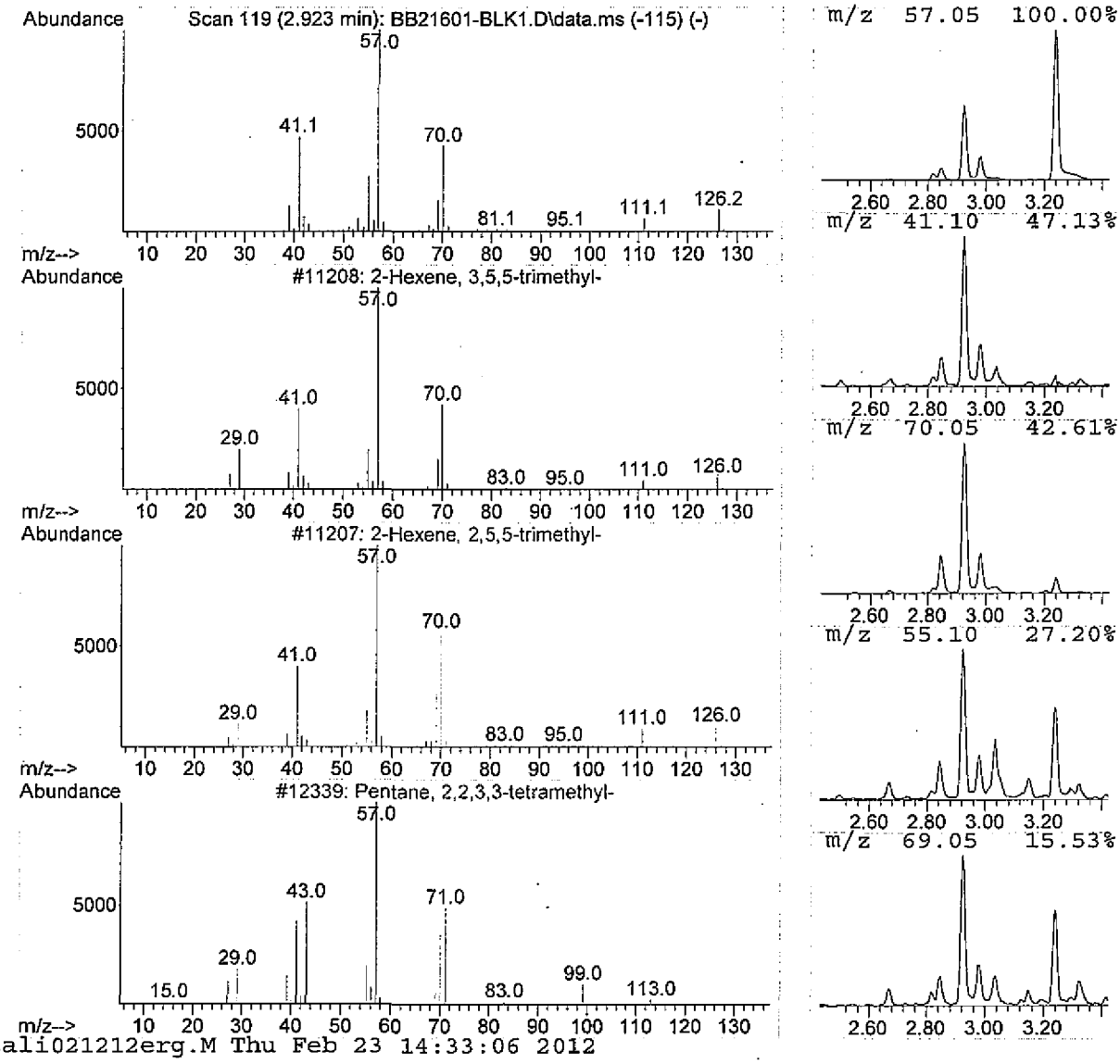
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.923	3.48 ug/mL	1042070	1,4-Dichlorobenzene-d4	4.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	72
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
4	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	38
5	3,4,4,-Trimethyl-1-pentyn-3-ol	126	C8H14O	000993-53-3	36



Tentatively Identified Compound (LSC) summary

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : BB21601-BLK1.D
Acq On : 22 Feb 2012 2:29 pm
Operator : ERG 96-5975B
Sample : BB21601-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.923	3.5	ug/mL	1042070	1	4.250	5984010	20.0

Clean Blank

LSC Area Percent Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: 1202004-29.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.848	102	105	115	rVB2	183760	250468	2.20%	0.240%
2	2.929	115	120	126	rVV	927417	1081164	9.48%	1.035%
3	2.982	126	130	134	rVV	295712	342826	3.01%	0.328%
4	3.036	136	140	153	rVB2	145548	227137	1.99%	0.217%
5	3.244	173	179	203	rVB	8937848	11091715	97.25%	10.618%
6	3.560	234	238	241	rBV	140317	136121	1.19%	0.130%
7	3.934	301	308	320	rBV	9179653	11405531	100.00%	10.919%
8	4.250	362	367	374	rBV	5511562	5773216	50.62%	5.527%
9	4.779	461	466	473	rBV	5921572	6193269	54.30%	5.929%
10	5.464	589	594	599	rBV	7611627	7650013	67.07%	7.323%
11	6.587	799	804	808	rBV	9656404	9857570	86.43%	9.437%
12	7.304	932	938	942	rBV	7622251	8290639	72.69%	7.937%
13	8.144	1089	1095	1114	rBV	6853352	7762452	68.06%	7.431%
14	8.860	1223	1229	1235	rBV	7894418	8585195	75.27%	8.219%
15	8.903	1235	1237	1247	rVB2	109742	141749	1.24%	0.136%
16	9.529	1349	1354	1367	rBV	517203	555299	4.87%	0.532%
17	10.262	1487	1491	1501	rBV2	195156	192754	1.69%	0.185%
18	10.572	1543	1549	1575	rBV	9501870	10871768	95.32%	10.408%
19	11.711	1754	1762	1787	rBV	6028014	7856700	68.88%	7.521%
20	13.359	2062	2070	2104	rBV	3905484	6193457	54.30%	5.929%

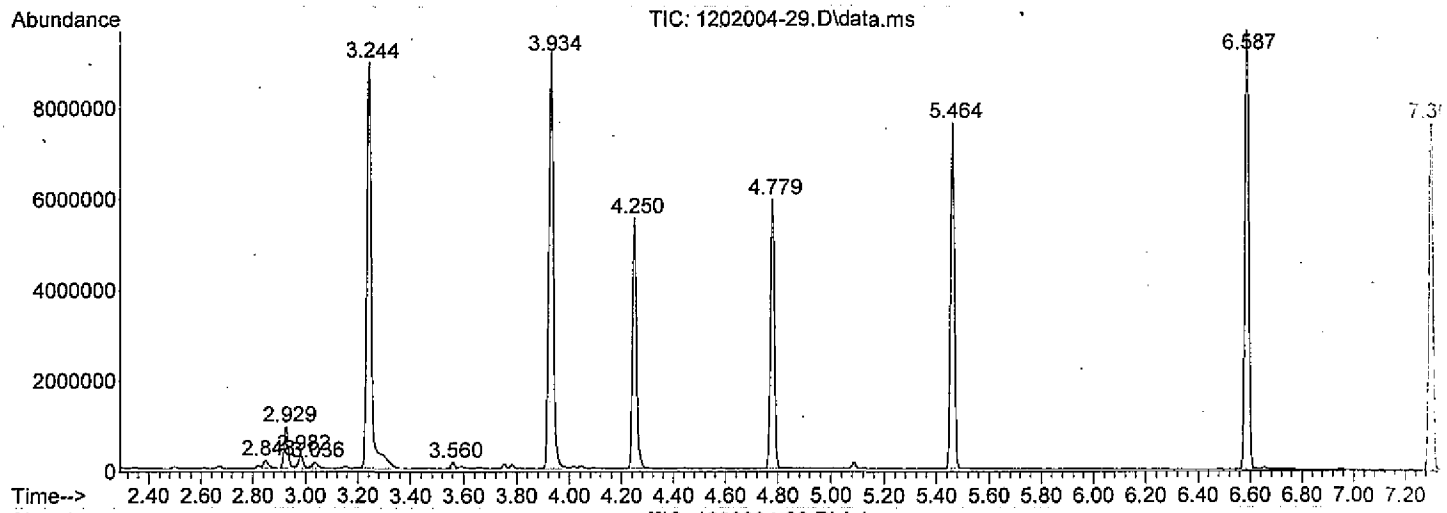
Sum of corrected areas: 104459043

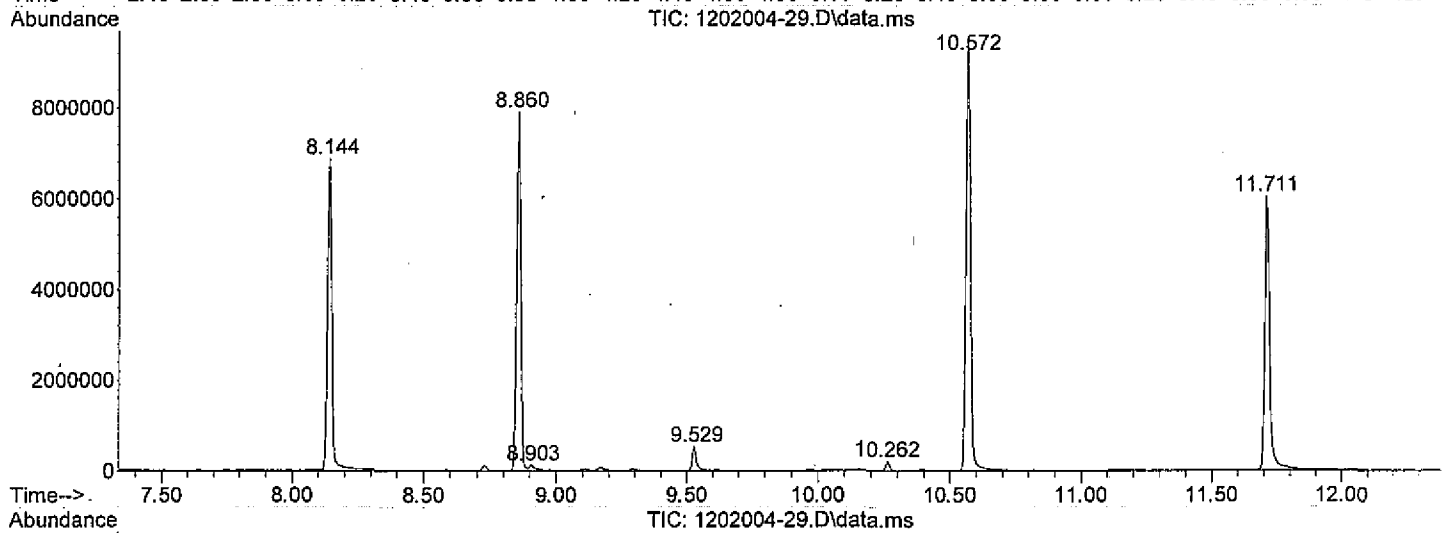
LSC Report - Integrated Chromatogram

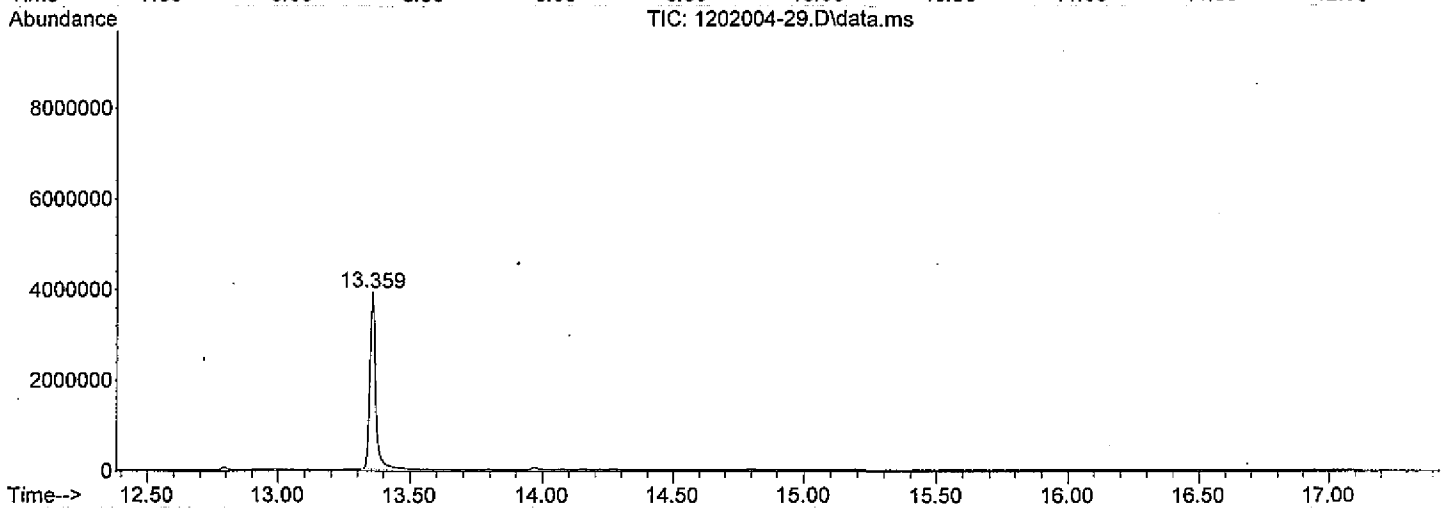
Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

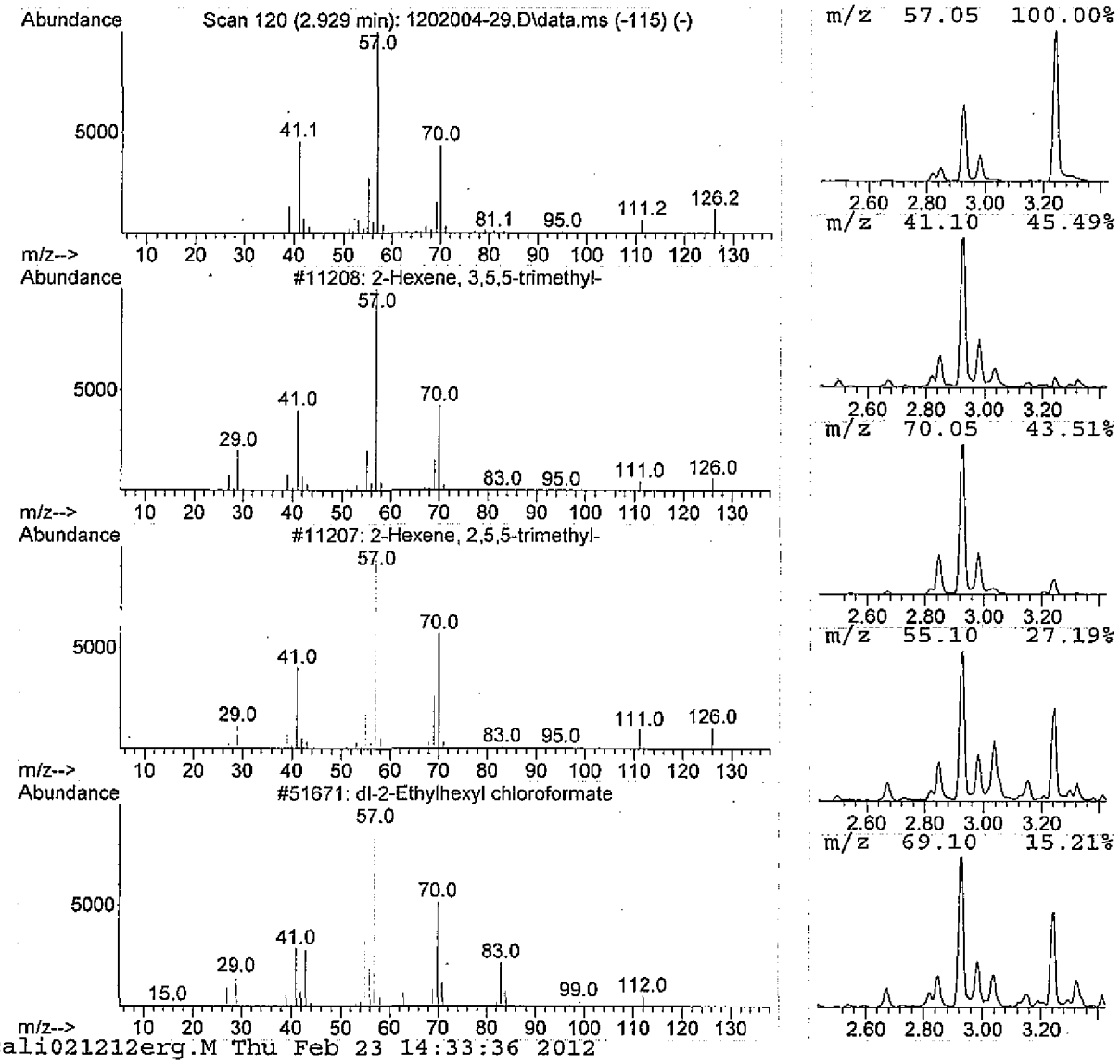
TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.929	3.75 ug/mL	1081160	1,4-Dichlorobenzene-d4	4.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	72
3	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	38
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	25
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	12

del in blk



Tentatively Identified Compound (LSC) summary

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : 1202004-29.D
Acq On : 22 Feb 2012 5:03 pm
Operator : ERG 96-5975B
Sample : 1202004-29
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.929	3.7	ug/mL	1081160	1	4.250	5773220	20.0

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Log Book Copies, Run Logs

Sequence Name: C:\msdchem\1\sequence\SVOCs\ERG022212.S
Comment: DAS R33907 1202004&05 DIMOCK BB21501,601,701
Operator: ERG 96-5975B
Data Path: D:\DATA\SVOC\2012\FEB\022212\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Initial cal ran on 2/12/12 cali021212ERG.m and cali DIMOCK0212124

Line		Sample Name/Misc Info
1) Sample	100	DFTPPP0112
Datafile		DFTPPP0112
Method		FULL SCAN R6100+
2) Sample	1	STD60A_021012
Datafile		STD60A_021012
Method		FULL SCAN R6100+
3) Sample	99	MECL2BLK1
Datafile		MECL2BLK1
Method		FULL SCAN R6100+
4) Sample	2	STD40A_021012B
Datafile		STD40A_021012B
Method		FULL SCAN R6100+
5) Sample	99	MECL2BLK8
Datafile		MECL2BLK8
Method		FULL SCAN R6100+
6) Sample	3	BB21501-MS1
Datafile		BB21501-MS1
Method		FULL SCAN R6100+
7) Sample	99	MECL2BLK9
Datafile		MECL2BLK9
Method		FULL SCAN R6100+
8) Sample	4	BB21601-BLK1
Datafile		BB21601-BLK1
Method		FULL SCAN R6100+
9) Sample	99	MECL2BLK10
Datafile		MECL2BLK10
Method		FULL SCAN R6100+
10) Sample	5	BB21601-BS1
Datafile		BB21601-BS1
Method		FULL SCAN R6100+
11) Sample	99	MECL2BLK11
Datafile		MECL2BLK11
Method		FULL SCAN R6100+
12) Sample	6	BB21601-BS2
Datafile		BB21601-BS2
Method		FULL SCAN R6100+
13) Sample	99	MECL2BLK12
Datafile		MECL2BLK12
Method		FULL SCAN R6100+
14) Sample	7	1202004-29
Datafile		1202004-29
Method		FULL SCAN R6100+
15) Sample	99	MECL2BLK13
Datafile		MECL2BLK13
Method		FULL SCAN R6100+
16) Sample	8	1202005-11
Datafile		1202005-11
Method		FULL SCAN R6100+
17) Sample	99	MECL2BLK15
Datafile		MECL2BLK15
Method		FULL SCAN R6100+
18) Sample	9	1202005-12
Datafile		1202005-12
Method		FULL SCAN R6100+

Last Modified: Wed Feb 22 11:21:18 2012

```
19) Sample        99  MECL2BLK16
    Datafile          MECL2BLK16
    Method            FULL SCAN R6100+
20) Sample        10  1202005-13
    Datafile          1202005-13
    Method            FULL SCAN R6100+
21) Sample        99  MECL2BLK17
    Datafile          MECL2BLK17
    Method            FULL SCAN R6100+
22) Sample        11  1202005-14
    Datafile          1202005-14
    Method            FULL SCAN R6100+
23) Sample        99  MECL2BLK18
    Datafile          MECL2BLK18
    Method            FULL SCAN R6100+
24) Sample        12  1202005-15
    Datafile          1202005-15
    Method            FULL SCAN R6100+
25) Sample        99  MECL2BLK19
    Datafile          MECL2BLK19
    Method            FULL SCAN R6100+
26) Sample        13  1202005-16
    Datafile          1202005-16
    Method            FULL SCAN R6100+
27) Sample        99  MECL2BLK20
    Datafile          MECL2BLK20
    Method            FULL SCAN R6100+
28) Sample        14  DFTPPQ0112
    Datafile          DFTPPQ0112
    Method            FULL SCAN R6100+
29) Sample        15  STD60B_021012
    Datafile          STD60B_021012
    Method            FULL SCAN R6100+
30) Sample        99  MECL2BLK21
    Datafile          MECL2BLK21
    Method            FULL SCAN R6100+
31) Sample        16  STD40B_021012B
    Datafile          STD40B_021012B
    Method            FULL SCAN R6100+
32) Sample        99  MECL2BLK22
    Datafile          MECL2BLK22
    Method            FULL SCAN R6100+
33) Sample        17  BB21701-BLK1
    Datafile          BB21701-BLK1
    Method            FULL SCAN R6100+
34) Sample        99  MECL2BLK23
    Datafile          MECL2BLK23
    Method            FULL SCAN R6100+
35) Sample        18  BB21701-BS1
    Datafile          BB21701-BS1
    Method            FULL SCAN R6100+
36) Sample        99  MECL2BLK24
    Datafile          MECL2BLK24
    Method            FULL SCAN R6100+
37) Sample        19  BB21701-BS2
    Datafile          BB21701-BS2
    Method            FULL SCAN R6100+
38) Sample        99  MECL2BLK25
    Datafile          MECL2BLK25
    Method            FULL SCAN R6100+
39) Sample        20  1202005-34
    Datafile          1202005-34
    Method            FULL SCAN R6100+
40) Sample        99  MECL2BLK26
    Datafile          MECL2BLK26
    Method            FULL SCAN R6100+
41) Sample        21  1202005-36
    Datafile          1202005-36
    Method            FULL SCAN R6100+
42) Sample        99  MECL2BLK27
```

```
     Datafile          MECL2BLK27
     Method            FULL SCAN R6100+
43)  Sample        22  1202005-39
     Datafile          1202005-39
     Method            FULL SCAN R6100+
```

Sequence Name: C:\msdchem\1\sequence\SVOCs\ERG022212.S

Line Type	Vial	DataFile	Method	Sample Name
44) Sample	99	MECL2BLK28		
Datafile		MECL2BLK28		
Method		FULL SCAN R6100+		
4 ample	23	1202005-40		
Datafile		1202005-40		
Method		FULL SCAN R6100+		
46) Sample	99	MECL2BLK29		
Datafile		MECL2BLK29		
Method		FULL SCAN R6100+		
47) Sample	24	1202005-17		
Datafile		1202005-17		
Method		FULL SCAN R6100+		
48) Sample	99	MECL2BLK30		
Datafile		MECL2BLK30		
Method		FULL SCAN R6100+		
49) Sample	25	1202005-18		
Datafile		1202005-18		
Method		FULL SCAN R6100+		
50) Sample	99	MECL2BLK31		
Datafile		MECL2BLK31		
Method		FULL SCAN R6100+		
51) Sample	26	1202005-33		
Datafile		1202005-33		
Method		FULL SCAN R6100+		
52) Sample	99	MECL2BLK32		
Datafile		MECL2BLK32		
Method		FULL SCAN R6100+		
53) Sample	27	BB21601-MS1		
Datafile		BB21601-MS1		
Method		FULL SCAN R6100+		
54) Sample	99	MECL2BLK33		
Datafile		MECL2BLK33		
Method		FULL SCAN R6100+		
5 ample	28	BB21601-MSD1		
Datafile		BB21601-MSD1		
Method		FULL SCAN R6100+		
56) Sample	99	MECL2BLK34		
Datafile		MECL2BLK34		
Method		FULL SCAN R6100+		

BB21601 bch_LLE.rpt

Project:	DAS R33907	**Location:**	EPA #3 Shelf 2C EPA #3 Shelf 7C
Work Order No:	1202004 1202005	**Prepared:**	02/16/12 08:20
Site Name:	Dimock Residential Groundwater	**SOP#:**	201
Analysis:	SVOCs by CLP Equivalent	**Analyst:**	ERG

Matrix: Water

Extraction Solvent	Barcode #	Quantity Used For Each Sample mL	Pest/PCB DRO SVOC (circle one)	SVOC Base/Neutral	Concentration Solvent	Barcode #
$MeCl_2$	13812	~220mL	Start 2/16/12 Date/Time 1045	Start Date/Time	$MeCl_2$	13811
			Stop 2/17/12 Date/Time 0800	Stop Date/Time		

QC Info	Standard ID#	Conc µg/mL	Volume Added mL	Reagent	Barcode # or Standard ID#	Reagent	Barcode # or Standard ID#	Concentration Date: 2/17/12	
Surrogate Spike	1200125	100/50	1.0	10N NaOH	N/A	$Na_2S_2O_3$	N/A	S-EVAP Temp	N-EVAP Temp
Matrix Spike/ Blank Spike	1200085/1200087- 1200126/1200127	5/5/23 60/60/60	1.0 1.0	18N H_2SO_4	12761	Reagent Purity Check: ✓		less than 70°C	less than 35°C
Internal Standard	1200109	2000	0.01 ~~1.0~~	6N HCl	N/A	DI Water Pass: ✓			

ERG 2/16/12

Analytical Standard Record
U.S. EPA Region 3
1200085

std_Org_analytical.rpt

Description:	ERG BSLO_013112	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	5	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	5	ug/mL	
2,4,5-Trichlorophenol	95-95-4	5	ug/mL	
2,4,6-Trichlorophenol	88-06-2	5	ug/mL	
2,4-Dichlorophenol	120-83-2	5	ug/mL	
2,4-Dimethylphenol	105-67-9	5	ug/mL	
2,4-Dinitrophenol	51-28-5	5	ug/mL	
2,4-Dinitrotoluene	121-14-2	5	ug/mL	
2,6-Dinitrotoluene	606-20-2	5	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Chloronaphthalene	91-58-7	5	ug/mL	
2-Chlorophenol	95-57-8	5	ug/mL	
2-Methylnaphthalene	91-57-6	5	ug/mL	
2-Methylphenol	95-48-7	5	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Nitroaniline	88-74-4	5	ug/mL	
2-Nitrophenol	88-75-5	5	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	5	ug/mL	
3-Nitroaniline	99-09-2	5	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	5	ug/mL	
4-Chloro-3-methylphenol	59-50-7	5	ug/mL	
4-Chloroaniline	106-47-8	5	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	5	ug/mL	
4-Methylphenol	106-44-5	5	ug/mL	
4-Nitroaniline	100-01-6	5	ug/mL	
4-Nitrophenol	100-02-7	5	ug/mL	
Acenaphthene	83-32-9	5	ug/mL	
Acenaphthylene	208-96-8	5	ug/mL	

Pyrene	129-00-0	5	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100656	ERG Additions Standards 091311	09/13/2011	03/14/2012	Eric Graybill	Restek	A077017	1000	0.25
1100807	ERG OLM 01.1 Revised SV Mega Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A082407	1000	0.25
1100837	ERG N-Nitrosodimethylamine	12/27/2011	06/24/2012	** Vendor **	Restek	A0696622	1000	0.25

Analytical Standard Record
U.S. EPA Region 3
1100656

std_Org_analytical.rpt

Description:	ERG Additions Standards 091311	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	09/13/2011 VENDOR ERG 9/27/1
Department:	ORGANIC-GCMS	Prepared By:	~~Eric Graybill~~
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A077017
Vials:	1	Received:	01/20/2011
Reagent Purity Checked	ERG	Mfgr Expiration:	09/30/2012

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK Made in USA
Cat# 31902 Rec 01/20/11 ERG
Additions Standard
1000 ug/mL each in Methylene Chloride (MECH FREE)
Lot# A077017 Exp. Date: 09/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Analytical Standard Record
U.S. EPA Region 3
1100807

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	06/11/2012
Standard Type:	Analyte Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Metylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A082407
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	12/30/2012

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA

Catalog # 31900
Sonication required. Mix is photosensitive.
OLM 01.1 Revised SV MegaMix

Rec 9/20/11 ERS

500 - 1000 ug/mL each in Methylene Chloride
Lot# A082407 Exp. Date: 12/2012 Store: 0°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100837

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	06/24/2012
Standard Type:	Analyte Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A0696622
Vials:	1	Received:	12/15/2011
Reagent Purity Checked	ERG	Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 12/15/11 ERG

1 0

Analytical Standard Record
U.S. EPA Region 3
1200109

std_Org_analytical.rpt

Description:	ERG ISTD	Expires:	08/05/2012
Standard Type:	Internal Std	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A083976
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	10/30/2018

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
Acenaphthene-d10	NA	2000	ug/mL
Chrysene-d12	NA	2000	ug/mL
Naphthalene-d8	NA	2000	ug/mL
Perylene-d12	NA	2000	ug/mL
Phenanthrene-d10	NA	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31206
SV Internal Standard Mix 2mg/ml
Rec 2/6/12 ERS
2000 ug/mL each in Methylene Chloride
Lot# A083976 Exp. Date: 10/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200053

std_Org_analytical.rpt

Description:	ERG 1-methylnaphthalene	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/24/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB79536
Vials:	1	Received:	01/18/2012
Reagent Purity Checked		Mfgr Expiration:	10/28/2013

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	2000	ug/mL

NOTEBOOK INSERT LABEL

1-Methylnaphthalene 4-8162
Lot: LB79536 EXP: OCT/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/18/12

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200087

std_Org_analytical.rpt

Description:	ERG DILO_013112	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked ERG

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	5	ug/mL
2-Methoxyethanol	109-86-4	23.16	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.125
1200073	ERG 2ME_010912	01/09/2012	07/23/2012	Eric Graybill	AccuStandard	160-01-9766	1930	0.6

Analytical Standard Record
U.S. EPA Region 3
1200073

std_Org_analytical.rpt

Description:	ERG 2ME_010912	Expires:	07/23/2012
Standard Type:	Analyte Spike	Prepared:	01/09/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	160-01-9766
Vials:	1		

Reagent Purity Checked ERM

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1930	ug/mL

Prepared By: EDY
Prepared Date: 1/9/12
Expiration Date: 6/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeOH / 10643
Reagent Purity: EDY
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
Lot # 160-01-9766	~~10~~ 20 EDY 2/9/12	1930	10	2ME_010912

Comments: Accu Standard PS-160C-01-1mL 2-methoxyethanol May 7 2020 160-01-9766

DIM0217500 DIM0217662

Analytical Standard Record
U.S. EPA Region 3
1200113

std_Org_analytical.rpt

Description:	ERG 2-ME_020812 (SS)	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Ultra
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1932	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200112	2-methoxyethanol	01/19/2012	08/06/2012	** Vendor **	Ultra	WRK 190R	966000	0.02

Analytical Standard Record
U.S. EPA Region 3
1200127

std_Org_analytical.rpt

Description:	ERG DIHI_021512	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	60	ug/mL
2-Methoxyethanol	109-86-4	57.96	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.3
1200113	ERG 2-ME_020812 (SS)	02/08/2012	07/22/2012	Eric Graybill	Ultra	Below	1932	0.3

Analytical Standard Record
U.S. EPA Region 3
1100808

std_Org_analytical.rpt

Description:	ERG Acid Surrogate Standard Mix	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080152
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	EPM	Mfgr Expiration:	03/30/2019

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	10000	ug/mL
2-Fluorophenol	367-12-4	10000	ug/mL
Phenol-d5	NA	10000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31063
Acid Surrogate Standard Mix (4/89)
10000 ug/mL each in Methanol Rec 9/20/11 EPM
Lot# A080152 Exp. Date: 03/2019 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100836

std_Org_analytical.rpt

Description:	ERG B/N Surrogate Mix	Expires:	06/24/2012
Standard Type:	Surrogate Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080907
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	04/30/2018

Analyte	CAS Number	Concentration	Units
2-Fluorobiphenyl	321-60-8	5000	ug/mL
Nitrobenzene-d5	NA	5000	ug/mL
Terphenyl-d14	NA	5000	ug/mL

RESTEK 110 Benner Circle Bellefonte, PA 16823 Made in USA

Catalog # 31062

Sonicate prior to use.

B/N Surrogate Mix (4/89 SOW)

5000 ug/mL each in Methylene Chloride Rec 9/20/11 ERD

Lot# A080907 Exp. Date: 04/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200125

std_Org_analytical.rpt

Description:	ERG SURR_021512	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	25	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked ERG

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	100	ug/mL
2-Fluorobiphenyl	321-60-8	50	ug/mL
2-Fluorophenol	367-12-4	100	ug/mL
Nitrobenzene-d5	NA	50	ug/mL
Phenol-d5	NA	100	ug/mL
Terphenyl-d14	NA	50	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100808	ERG Acid Surrogate Standard Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A080152	10000	0.25
1100836	ERG B/N Surrogate Mix	12/27/2011	06/24/2012	** Vendor **	Restek	A080907	5000	0.25

Analytical Standard Record
U.S. EPA Region 3
1200108

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A069622
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 2/6/12

Analytical Standard Record
U.S. EPA Region 3
1200107

std_Org_analytical.rpt

Description:	ERG Additions Standards	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A084293
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	GRM	Mfgr Expiration:	09/30/2013

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31902
Additions Standard
Rec 2/6/12 GRM
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A084293 Exp. Date: 09/2013 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	MeCl2	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A085199
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDM	Mfgr Expiration:	05/30/2013

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix EDM 2/23/1
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix EDM 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200126

std_Org_analytical.rpt

Description:	ERG BSHI_021512	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	EDG		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	60	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	60	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	60	ug/mL	
2,4,5-Trichlorophenol	95-95-4	60	ug/mL	
2,4,6-Trichlorophenol	88-06-2	60	ug/mL	
2,4-Dichlorophenol	120-83-2	60	ug/mL	
2,4-Dimethylphenol	105-67-9	60	ug/mL	
2,4-Dinitrophenol	51-28-5	60	ug/mL	
2,4-Dinitrotoluene	121-14-2	60	ug/mL	
2,6-Dinitrotoluene	606-20-2	60	ug/mL	
~~2-Butoxyethanol ??~~	~~111-76-2~~	~~60~~	~~ug/mL~~	Not in mix EDG 2/23/12
2-Chloronaphthalene	91-58-7	60	ug/mL	
2-Chlorophenol	95-57-8	60	ug/mL	
2-Methylnaphthalene	91-57-6	60	ug/mL	
2-Methylphenol	95-48-7	60	ug/mL	
~~2-Naphthylamine ??~~	~~91-59-8~~	~~60~~	~~ug/mL~~	Not in mix EDG 2/23/12
2-Nitroaniline	88-74-4	60	ug/mL	
2-Nitrophenol	88-75-5	60	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	60	ug/mL	
3-Nitroaniline	99-09-2	60	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	60	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	60	ug/mL	
4-Chloro-3-methylphenol	59-50-7	60	ug/mL	
4-Chloroaniline	106-47-8	60	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	60	ug/mL	
4-Methylphenol	106-44-5	60	ug/mL	
4-Nitroaniline	100-01-6	60	ug/mL	
4-Nitrophenol	100-02-7	60	ug/mL	
Acenaphthene	83-32-9	60	ug/mL	
Acenaphthylene	208-96-8	60	ug/mL	

Pyrene	129-00-0	60	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200106	ERG OLM 01.1 Revised SV Mega Mix	02/06/2012	08/05/2012	** Vendor **	Restek	A085199	1000	0.6
1200107	ERG Additions Standards	02/06/2012	08/05/2012	** Vendor **	Restek	A084293	1000	0.6
1200108	ERG N-Nitrosodimethylamine	02/06/2012	08/05/2012	** Vendor **	Restek	A069622	1000	0.6

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Log Book Copies, Run Logs

Sequence Name: C:\msdchem\1\sequence\SVOCs\ERG022212.S
Comment: DAS R33907 1202004&05 DIMOCK BB21501,601,701
Operator: ERG 96-5975B
Data Path: D:\DATA\SVOC\2012\FEB\022212\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Invital cal ran on 2/12/12 cali021212ERG.m and cali TBDIMOCK0212124

Line		Sample Name/Misc Info
1) Sample	100	DFTPPP0112
Datafile		DFTPPP0112
Method		FULL SCAN R6100+
2) Sample	1	STD60A_021012
Datafile		STD60A_021012
Method		FULL SCAN R6100+
3) Sample	99	MECL2BLK1
Datafile		MECL2BLK1
Method		FULL SCAN R6100+
4) Sample	2	STD40A_021012B
Datafile		STD40A_021012B
Method		FULL SCAN R6100+
5) Sample	99	MECL2BLK8
Datafile		MECL2BLK8
Method		FULL SCAN R6100+
6) Sample	3	BB21501-MS1
Datafile		BB21501-MS1
Method		FULL SCAN R6100+
7) Sample	99	MECL2BLK9
Datafile		MECL2BLK9
Method		FULL SCAN R6100+
8) Sample	4	BB21601-BLK1
Datafile		BB21601-BLK1
Method		FULL SCAN R6100+
9) Sample	99	MECL2BLK10
Datafile		MECL2BLK10
Method		FULL SCAN R6100+
10) Sample	5	BB21601-BS1
Datafile		BB21601-BS1
Method		FULL SCAN R6100+
11) Sample	99	MECL2BLK11
Datafile		MECL2BLK11
Method		FULL SCAN R6100+
12) Sample	6	BB21601-BS2
Datafile		BB21601-BS2
Method		FULL SCAN R6100+
13) Sample	99	MECL2BLK12
Datafile		MECL2BLK12
Method		FULL SCAN R6100+
14) Sample	7	1202004-29
Datafile		1202004-29
Method		FULL SCAN R6100+
15) Sample	99	MECL2BLK13
Datafile		MECL2BLK13
Method		FULL SCAN R6100+
16) Sample	8	1202005-11
Datafile		1202005-11
Method		FULL SCAN R6100+
17) Sample	99	MECL2BLK15
Datafile		MECL2BLK15
Method		FULL SCAN R6100+
18) Sample	9	1202005-12
Datafile		1202005-12
Method		FULL SCAN R6100+

Last Modified: Wed Feb 22 11:21:18 2012 Page: 1

```
19) Sample        99  MECL2BLK16
    Datafile          MECL2BLK16
    Method            FULL SCAN R6100+
20) Sample        10  1202005-13
    Datafile          1202005-13
    Method            FULL SCAN R6100+
21) Sample        99  MECL2BLK17
    Datafile          MECL2BLK17
    Method            FULL SCAN R6100+
22) Sample        11  1202005-14
    Datafile          1202005-14
    Method            FULL SCAN R6100+
23) Sample        99  MECL2BLK18
    Datafile          MECL2BLK18
    Method            FULL SCAN R6100+
24) Sample        12  1202005-15
    Datafile          1202005-15
    Method            FULL SCAN R6100+
25) Sample        99  MECL2BLK19
    Datafile          MECL2BLK19
    Method            FULL SCAN R6100+
26) Sample        13  1202005-16
    Datafile          1202005-16
    Method            FULL SCAN R6100+
27) Sample        99  MECL2BLK20
    Datafile          MECL2BLK20
    Method            FULL SCAN R6100+
28) Sample        14  DFTPPQ0112
    Datafile          DFTPPQ0112
    Method            FULL SCAN R6100+
29) Sample        15  STD60B_021012
    Datafile          STD60B_021012
    Method            FULL SCAN R6100+
30) Sample        99  MECL2BLK21
    Datafile          MECL2BLK21
    Method            FULL SCAN R6100+
31) Sample        16  STD40B_021012B
    Datafile          STD40B_021012B
    Method            FULL SCAN R6100+
32) Sample        99  MECL2BLK22
    Datafile          MECL2BLK22
    Method            FULL SCAN R6100+
33) Sample        17  BB21701-BLK1
    Datafile          BB21701-BLK1
    Method            FULL SCAN R6100+
34) Sample        99  MECL2BLK23
    Datafile          MECL2BLK23
    Method            FULL SCAN R6100+
35) Sample        18  BB21701-BS1
    Datafile          BB21701-BS1
    Method            FULL SCAN R6100+
36) Sample        99  MECL2BLK24
    Datafile          MECL2BLK24
    Method            FULL SCAN R6100+
37) Sample        19  BB21701-BS2
    Datafile          BB21701-BS2
    Method            FULL SCAN R6100+
38) Sample        99  MECL2BLK25
    Datafile          MECL2BLK25
    Method            FULL SCAN R6100+
39) Sample        20  1202005-34
    Datafile          1202005-34
    Method            FULL SCAN R6100+
40) Sample        99  MECL2BLK26
    Datafile          MECL2BLK26
    Method            FULL SCAN R6100+
41) Sample        21  1202005-36
    Datafile          1202005-36
    Method            FULL SCAN R6100+
42) Sample        99  MECL2BLK27
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```
     Datafile          MECL2BLK27
     Method            FULL SCAN R6100+
43)  Sample        22  1202005-39
     Datafile          1202005-39
     Method            FULL SCAN R6100+
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Sequence Name: C:\msdchem\1\sequence\SVOCs\ERG022212.S

Line Type	Vial	DataFile	Method	Sample Name
44) Sample	99	MECL2BLK28		
Datafile		MECL2BLK28		
Method		FULL SCAN R6100+		
4[illegible] ample	23	1202005-40		
Datafile		1202005-40		
Method		FULL SCAN R6100+		
46) Sample	99	MECL2BLK29		
Datafile		MECL2BLK29		
Method		FULL SCAN R6100+		
47) Sample	24	1202005-17		
Datafile		1202005-17		
Method		FULL SCAN R6100+		
48) Sample	99	MECL2BLK30		
Datafile		MECL2BLK30		
Method		FULL SCAN R6100+		
49) Sample	25	1202005-18		
Datafile		1202005-18		
Method		FULL SCAN R6100+		
50) Sample	99	MECL2BLK31		
Datafile		MECL2BLK31		
Method		FULL SCAN R6100+		
51) Sample	26	1202005-33		
Datafile		1202005-33		
Method		FULL SCAN R6100+		
52) Sample	99	MECL2BLK32		
Datafile		MECL2BLK32		
Method		FULL SCAN R6100+		
53) Sample	27	BB21601-MS1		
Datafile		BB21601-MS1		
Method		FULL SCAN R6100+		
54) Sample	99	MECL2BLK33		
Datafile		MECL2BLK33		
Method		FULL SCAN R6100+		
5[illegible] ample	28	BB21601-MSD1		
Datafile		BB21601-MSD1		
Method		FULL SCAN R6100+		
56) Sample	99	MECL2BLK34		
Datafile		MECL2BLK34		
Method		FULL SCAN R6100+		

BB21601 **bch_LLE.rpt**

Project: DAS R33907

Work Order No: 1202004
1202005

Site Name: Dimock Residential Groundwater

Analysis: SVOCs by CLP Equivalent

Location: EPA #3 Shelf 2C
EPA #3 Shelf 7C

Prepared: 02/16/12 08:20

SOP#: 201

Analyst: ERG

Matrix: Water

Extraction Solvent	Barcode #	Quantity Used For Each Sample mL	Pest/PCB DRO SVOC (circle one)	SVOC Base/Neutral	Concentration Solvent	Barcode #
$MeCl_2$	13812	~220mL	Start 2/16/12 Date/Time 1045	Start Date/Time	$MeCl_2$	13811
			Stop 2/17/12 Date/Time 0800	Stop Date/Time		

QC Info	Standard ID#	Conc µg/mL	Volume Added mL	Reagent	Barcode # or Standard ID#	Reagent	Barcode # or Standard ID#	Concentration Date: 2/17/12	
Surrogate Spike	1200125	100/50	1.0	10N NaOH	N/A	$Na_2S_2O_3$	N/A	S-EVAP Temp	N-EVAP Temp
Matrix Spike/ Blank Spike	1200085/1200087- 1200126/1200127	5/5/23 60/60/60	1.0 1.0	18N H_2SO_4	12761	Reagent Purity Check: ✓		less than 70°C	less than 35°C
Internal Standard	1200109	2000	~~1.0~~ 0.01	6N HCl	N/A	DI Water Pass: ✓			

ERG 2/16/12

EPA REGION 3 - OASQA - LLE SAMPLE/REAGENT PREPARATION LOG

BB21601 **bch_LLE.rpt**

LabNumber	Container ID	Collection Date	Initial (mL)	Initial Final pH	Initial Final Cl-	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	ExtractionComments
1202004-29	G	02/09/12 14:26	1000	2	0	1				1000	71 Drinking Water
1202005-11	O	02/14/12 10:33	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-12	O	02/13/12 15:22	1000	7,2	0	1				1000	71 Drinking Water
1202005-13	O	02/13/12 15:05	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-14	O	02/13/12 14:57	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-15	O	02/13/12 15:17	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-16	O	02/14/12 09:09	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-17	O	02/14/12 10:31	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-18	O	02/14/12 14:47	~~1000~~ 1050	7,2	0	1				1000	71 Drinking Water
1202005-33	O	02/14/12 10:07	1000	7,2	0	1				1000	71 Drinking Water
BB21601-BLK1		02/16/12 08:20	1000	7,2	0	1				1000	
BB21601-BS1		02/16/12 08:20	1000	7,2	0	1	1200085		1000	1000	
BB21601-BS2		02/16/12 08:20	1000	7,2	0	1	1200126		1000	1000	
BB21601-MS1		02/14/12 10:07	1000	7,2	0	1	1200126	1202005-33	1000	1000	
BB21601-MSD1		02/14/12 10:07	1000	7,2	0	1	1200126	1202005-33	1000	1000	

Surrogate used: 1200125

Analytical Standard Record
U.S. EPA Region 3
1200085

std_Org_analytical.rpt

Description:	ERG BSLO_013112	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	5	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	5	ug/mL	
2,4,5-Trichlorophenol	95-95-4	5	ug/mL	
2,4,6-Trichlorophenol	88-06-2	5	ug/mL	
2,4-Dichlorophenol	120-83-2	5	ug/mL	
2,4-Dimethylphenol	105-67-9	5	ug/mL	
2,4-Dinitrophenol	51-28-5	5	ug/mL	
2,4-Dinitrotoluene	121-14-2	5	ug/mL	
2,6-Dinitrotoluene	606-20-2	5	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Chloronaphthalene	91-58-7	5	ug/mL	
2-Chlorophenol	95-57-8	5	ug/mL	
2-Methylnaphthalene	91-57-6	5	ug/mL	
2-Methylphenol	95-48-7	5	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Nitroaniline	88-74-4	5	ug/mL	
2-Nitrophenol	88-75-5	5	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	5	ug/mL	
3-Nitroaniline	99-09-2	5	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	5	ug/mL	
4-Chloro-3-methylphenol	59-50-7	5	ug/mL	
4-Chloroaniline	106-47-8	5	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	5	ug/mL	
4-Methylphenol	106-44-5	5	ug/mL	
4-Nitroaniline	100-01-6	5	ug/mL	
4-Nitrophenol	100-02-7	5	ug/mL	
Acenaphthene	83-32-9	5	ug/mL	
Acenaphthylene	208-96-8	5	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200085

Acetophenone	98-86-2	5	ug/mL	
Anthracene	120-12-7	5	ug/mL	
Atrazine	1912-24-9	5	ug/mL	CRD 2/23/12
Benzaldehyde	100-52-7	~~10~~ 5	ug/mL	Entry error
Benzo(a)anthracene	56-55-3	5	ug/mL	in HH CRD 2/2
Benzo(a)pyrene	50-32-8	5	ug/mL	1100807
Benzo(b)fluoranthene	205-99-2	5	ug/mL	
Benzo(ghi)perylene	191-24-2	5	ug/mL	
Benzo(k)fluoranthene	207-08-9	5	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~5~~	~~ug/mL~~	Not in mix
Benzyl butyl phthalate	85-68-7	5	ug/mL	CRD 2/23/12
~~Biphenyl~~	~~92-52-4~~	~~5~~	~~ug/mL~~	Wrong Name
Bis(2-chloroethoxy)methane	111-91-1	5	ug/mL	CRD 2/23/1
Bis(2-chloroethyl)ether	111-44-4	5	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	5	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/mL	
Butyl benzyl phthalate	85-68-7	5	ug/mL	
Caprolactam	105-60-2	5	ug/mL	
Carbazole	86-74-8	5	ug/mL	
Chrysene	218-01-9	5	ug/mL	
Dibenz(a,h)anthracene	53-70-3	5	ug/mL	
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~5~~	~~ug/mL~~	Wrong Name
Dibenzofuran	132-64-9	5	ug/mL	CRD 2/23/12
Diethyl phthalate	84-66-2	5	ug/mL	
Dimethyl phthalate	131-11-3	5	ug/mL	
Di-n-butyl phthalate	84-74-2	5	ug/mL	
Di-n-octyl phthalate	117-84-0	5	ug/mL	
Fluoranthene	206-44-0	5	ug/mL	
Fluorene	86-73-7	5	ug/mL	
Hexachlorobenzene	118-74-1	5	ug/mL	
Hexachlorobutadiene	87-68-3	5	ug/mL	
Hexachlorocyclopentadiene	77-47-4	5	ug/mL	
Hexachloroethane	67-72-1	5	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	5	ug/mL	
Isophorone	78-59-1	5	ug/mL	
Naphthalene	91-20-3	5	ug/mL	
Nitrobenzene	98-95-3	5	ug/mL	
N-Nitrosodimethylamine	62-75-9	5	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	5	ug/mL	
N-Nitrosodiphenylamine	86-30-6	5	ug/mL	
Pentachlorophenol	87-86-5	5	ug/mL	
Phenanthrene	85-01-8	5	ug/mL	
Phenol	108-95-2	5	ug/mL	

Pyrene	129-00-0	5	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100656	ERG Additions Standards 091311	09/13/2011	03/14/2012	Eric Graybill	Restek	A077017	1000	0.25
1100807	ERG OLM 01.1 Revised SV Mega Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A082407	1000	0.25
1100837	ERG N-Nitrosodimethylamine	12/27/2011	06/24/2012	** Vendor **	Restek	A0696622	1000	0.25

Analytical Standard Record
U.S. EPA Region 3
1100656

std_Org_analytical.rpt

Description:	ERG Additions Standards 091311	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	09/13/2011 Vendor ERD 01/27/1
Department:	ORGANIC-GCMS	Prepared By:	~~Eric Graybill~~
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A077017
Vials:	1	Received:	01/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	09/30/2012

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK Made in USA
Cat# 31902 Rec 01/20/11 ERD
Additions Standard
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A077017 Exp. Date: 09/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Analytical Standard Record
U.S. EPA Region 3
1100807

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	06/11/2012
Standard Type:	Analyte Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Metylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A082407
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	12/30/2012

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix ERD 12/23/12
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix ERD 12/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1100807

Acetophenone	98-86-2	1000	ug/mL	
Anthracene	120-12-7	1000	ug/mL	
~~Benzaldehyde~~	~~100-52-7~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
Benzo(a)anthracene	56-55-3	1000	ug/mL	
Benzo(a)pyrene	50-32-8	1000	ug/mL	
Benzo(b)fluoranthene	205-99-2	1000	ug/mL	
Benzo(ghi)perylene	191-24-2	1000	ug/mL	
Benzo(k)fluoranthene	207-08-9	1000	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
Benzyl butyl phthalate	85-68-7	1000	ug/mL	
~~Biphenyl~~	~~92-52-4~~	~~1000~~	~~ug/mL~~	Wrong name ERD 2/23/12
Bis(2-chloroethoxy)methane	111-91-1	1000	ug/mL	
Bis(2-chloroethyl)ether	111-44-4	1000	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	1000	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	1000	ug/mL	
Butyl benzyl phthalate	85-68-7	1000	ug/mL	
Carbazole	86-74-8	1000	ug/mL	
Chrysene	218-01-9	1000	ug/mL	
Dibenz(a,h)anthracene	53-70-3	1000	ug/mL	
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~1000~~	~~ug/mL~~	Wrong name ERD 2/23/12
Dibenzofuran	132-64-9	1000	ug/mL	
Diethyl phthalate	84-66-2	1000	ug/mL	
Dimethyl phthalate	131-11-3	1000	ug/mL	
Di-n-butyl phthalate	84-74-2	1000	ug/mL	
Di-n-octyl phthalate	117-84-0	1000	ug/mL	
Fluoranthene	206-44-0	1000	ug/mL	
Fluorene	86-73-7	1000	ug/mL	
Hexachlorobenzene	118-74-1	1000	ug/mL	
Hexachlorobutadiene	87-68-3	1000	ug/mL	
Hexachlorocyclopentadiene	77-47-4	1000	ug/mL	
Hexachloroethane	67-72-1	1000	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	ug/mL	
Isophorone	78-59-1	1000	ug/mL	
Naphthalene	91-20-3	1000	ug/mL	
Nitrobenzene	98-95-3	1000	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	1000	ug/mL	
N-Nitrosodiphenylamine	86-30-6	1000	ug/mL	
Pentachlorophenol	87-86-5	1000	ug/mL	
Phenanthrene	85-01-8	1000	ug/mL	
Phenol	108-95-2	1000	ug/mL	
Pyrene	129-00-0	1000	ug/mL	

RESTEK
110 Banner Circle
Bellefonte, PA 16823
Made in USA

Catalog # 31900
Sonication required. Mix is photosensitive.
OLM 01.1 Revised SV MegaMix
Rec 9/20/11 ERD
500 - 1000 ug/mL each in Methylene Chloride
Lot# A082407 Exp. Date: 12/2012 Store: 0°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100837

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	06/24/2012
Standard Type:	Analyte Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A0696622
Vials:	1	Received:	12/15/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 12/15/11 ERD

1 0

Analytical Standard Record
U.S. EPA Region 3
1200109

std_Org_analytical.rpt

Description:	ERG ISTD	Expires:	08/05/2012
Standard Type:	Internal Std	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A083976
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	10/30/2018

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
Acenaphthene-d10	NA	2000	ug/mL
Chrysene-d12	NA	2000	ug/mL
Naphthalene-d8	NA	2000	ug/mL
Perylene-d12	NA	2000	ug/mL
Phenanthrene-d10	NA	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31206
SV Internal Standard Mix 2mg/ml
Rec 2/6/12 ERS
2000 ug/mL each in Methylene Chloride
Lot# A083976 Exp. Date: 10/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200053

std_Org_analytical.rpt

Description:	ERG 1-methylnaphthalene	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/24/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB79536
Vials:	1	Received:	01/18/2012
Reagent Purity Checked	EBS	Mfgr Expiration:	10/28/2013

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	2000	ug/mL

NOTEBOOK INSERT LABEL

1-Methylnaphthalene 4-8162
Lot: LB79536 EXP: OCT/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/18/12

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200087

std_Org_analytical.rpt

Description:	ERG DILO_013112	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked			

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	5	ug/mL
2-Methoxyethanol	109-86-4	23.16	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.125
1200073	ERG 2ME_010912	01/09/2012	07/23/2012	Eric Graybill	AccuStandard	160-01-9766	1930	0.6

Analytical Standard Record
U.S. EPA Region 3
1200073

std_Org_analytical.rpt

Description:	ERG 2ME_010912	Expires:	07/23/2012
Standard Type:	Analyte Spike	Prepared:	01/09/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	160-01-9766
Vials:	1		

Reagent Purity Checked ERG

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1930	ug/mL

Prepared By: EDM
Prepared Date: 1/9/12
Expiration Date: 6/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeOH / 10643
Reagent Purity: EDM
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
Lot # 160-01-9766	~~10~~ 20 EDM 2/9/12	1930	10	2ME_010912

Comments: Accu Standard PS-160C-01-1mL 2-methoxyethanol May 7 2020 160-01-9766

DIM0217500 DIM0217693

Analytical Standard Record
U.S. EPA Region 3
1200113

std_Org_analytical.rpt

Description:	ERG 2-ME_020812 (SS)	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Ultra
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked ERG

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1932	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200112	2-methoxyethanol	01/19/2012	08/06/2012	** Vendor **	Ultra	WRK 190R	966000	0.02

Analytical Standard Record
U.S. EPA Region 3
1200127

std_Org_analytical.rpt

Description:	ERG DIHI_021512	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	EGY		

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	60	ug/mL
2-Methoxyethanol	109-86-4	57.96	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.3
1200113	ERG 2-ME_020812 (SS)	02/08/2012	07/22/2012	Eric Graybill	Ultra	Below	1932	0.3

Analytical Standard Record
U.S. EPA Region 3
1100808

std_Org_analytical.rpt

Description:	ERG Acid Surrogate Standard Mix	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080152
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	EDM	Mfgr Expiration:	03/30/2019

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	10000	ug/mL
2-Fluorophenol	367-12-4	10000	ug/mL
Phenol-d5	NA	10000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31063
Acid Surrogate Standard Mix (4/89)
10000 ug/mL each in Methanol
Lot# A080152 Exp. Date: 03/2019 Store: 10°C or colder
Rec 9/20/11 EDM

Analytical Standard Record
U.S. EPA Region 3
1100836

std_Org_analytical.rpt

Description:	ERG B/N Surrogate Mix	Expires:	06/24/2012
Standard Type:	Surrogate Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080907
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	04/30/2018

Analyte	CAS Number	Concentration	Units
2-Fluorobiphenyl	321-60-8	5000	ug/mL
Nitrobenzene-d5	NA	5000	ug/mL
Terphenyl-d14	NA	5000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31062
Sonicate prior to use.
B/N Surrogate Mix (4/89 SOW)
5000 ug/mL each in Methylene Chloride
Lot# A080907 Exp. Date: 04/2018 Store: 10°C or colder
Rec 9/20/11 ERD

Analytical Standard Record
U.S. EPA Region 3
1200125

std_Org_analytical.rpt

Description:	ERG SURR_021512	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	25	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked ERG

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	100	ug/mL
2-Fluorobiphenyl	321-60-8	50	ug/mL
2-Fluorophenol	367-12-4	100	ug/mL
Nitrobenzene-d5	NA	50	ug/mL
Phenol-d5	NA	100	ug/mL
Terphenyl-d14	NA	50	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100808	ERG Acid Surrogate Standard Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A080152	10000	0.25
1100836	ERG B/N Surrogate Mix	12/27/2011	06/24/2012	** Vendor **	Restek	A080907	5000	0.25

Analytical Standard Record
U.S. EPA Region 3
1200108

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A069622
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 2/6/12

Analytical Standard Record
U.S. EPA Region 3
1200107

std_Org_analytical.rpt

Description:	ERG Additions Standards	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A084293
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDY	Mfgr Expiration:	09/30/2013

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31902
Additions Standard
Rec 2/6/12 EDY
1 0
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A084293 Exp. Date: 09/2013 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	MeCl2	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A085199
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDY	Mfgr Expiration:	05/30/2013

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix EDY 2/23/1
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix EDY 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200126

std_Org_analytical.rpt

Description:	ERG BSHI_021512	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/15/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	60	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	60	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	60	ug/mL	
2,4,5-Trichlorophenol	95-95-4	60	ug/mL	
2,4,6-Trichlorophenol	88-06-2	60	ug/mL	
2,4-Dichlorophenol	120-83-2	60	ug/mL	
2,4-Dimethylphenol	105-67-9	60	ug/mL	
2,4-Dinitrophenol	51-28-5	60	ug/mL	
2,4-Dinitrotoluene	121-14-2	60	ug/mL	
2,6-Dinitrotoluene	606-20-2	60	ug/mL	
~~2-Butoxyethanol ??~~	~~111-76-2~~	~~60~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Chloronaphthalene	91-58-7	60	ug/mL	
2-Chlorophenol	95-57-8	60	ug/mL	
2-Methylnaphthalene	91-57-6	60	ug/mL	
2-Methylphenol	95-48-7	60	ug/mL	
~~2-Naphthylamine ??~~	~~91-59-8~~	~~60~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Nitroaniline	88-74-4	60	ug/mL	
2-Nitrophenol	88-75-5	60	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	60	ug/mL	
3-Nitroaniline	99-09-2	60	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	60	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	60	ug/mL	
4-Chloro-3-methylphenol	59-50-7	60	ug/mL	
4-Chloroaniline	106-47-8	60	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	60	ug/mL	
4-Methylphenol	106-44-5	60	ug/mL	
4-Nitroaniline	100-01-6	60	ug/mL	
4-Nitrophenol	100-02-7	60	ug/mL	
Acenaphthene	83-32-9	60	ug/mL	
Acenaphthylene	208-96-8	60	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200126

Pyrene	129-00-0	60	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200106	ERG OLM 01.1 Revised SV Mega Mix	02/06/2012	08/05/2012	** Vendor **	Restek	A085199	1000	0.6
1200107	ERG Additions Standards	02/06/2012	08/05/2012	** Vendor **	Restek	A084293	1000	0.6
1200108	ERG N-Nitrosodimethylamine	02/06/2012	08/05/2012	** Vendor **	Restek	A069622	1000	0.6

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

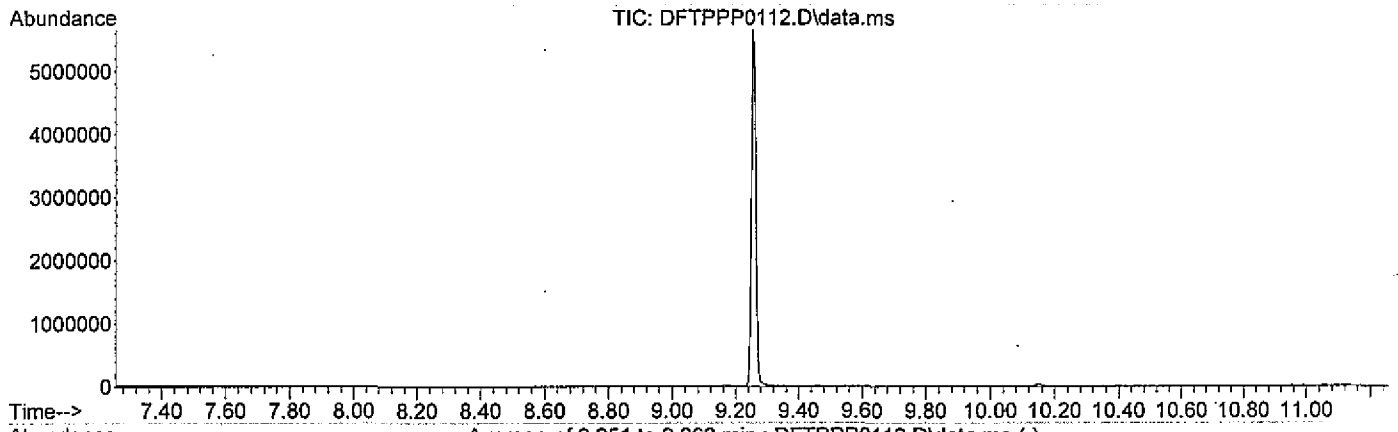
DAS R33907

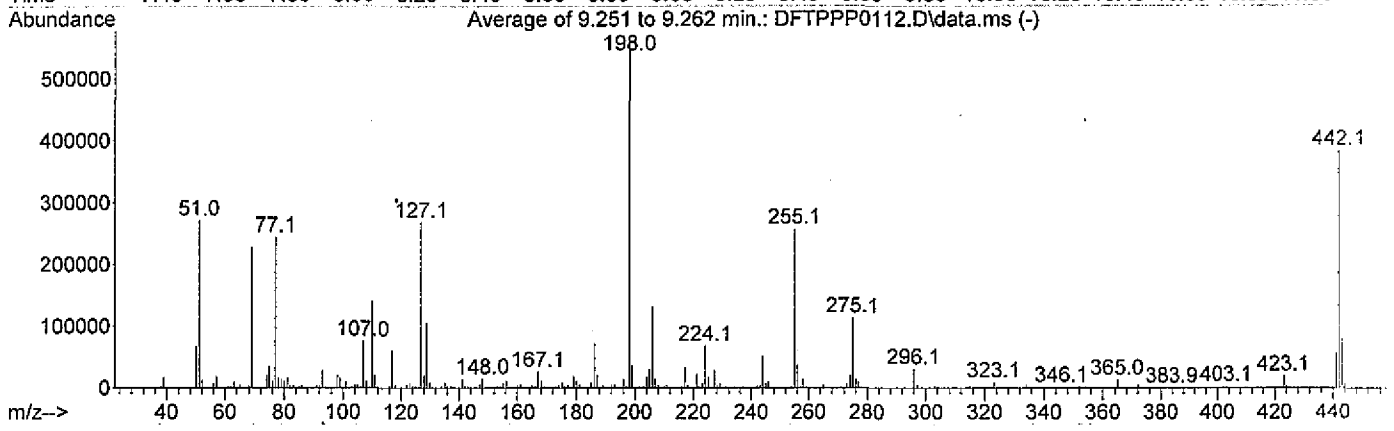
Calibration Data

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : DFTPPP0112.D
Acq On : 22 Feb 2012 11:31 am
Operator : ERG 96-5975B
Sample : DFTPPP0112
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212
Last Update : Mon Feb 13 11:26:25 2012





AutoFind: Scans 1302, 1303, 1304; Background Corrected with Scan 1295

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	49.4	271469	PASS
68	69	0.00	2	1.7	3778	PASS
69	198	0.00	100	41.3	227285	PASS
70	69	0.00	2	0.5	1153	PASS
127	198	40	60	48.8	268373	PASS
197	198	0.00	1	0.5	2857	PASS
198	198	100	100	100.0	549760	PASS
199	198	5	9	6.8	37229	PASS
275	198	10	30	20.7	113736	PASS
365	198	1	100	2.5	13826	PASS
441	443	0.01	100	71.7	56264	PASS
442	198	40	100	69.7	383232	PASS
443	442	17	23	20.5	78504	PASS

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD60A_021012.D
Acq On : 22 Feb 2012 11:56 am
Operator : ERG 96-5975B
Sample : STD60A_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 1 Sample Multiplier: 1

CCV

5out

Quant Time: Feb 22 14:21:58 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	50	0.00	
2		N-Nitrosodimethylamine	0.946	0.713	24.6#	43#	0.00	-out
3	S	2-Fluorophenol	1.204	1.126	6.5	49#	0.00	
4		Benzaldehyde	1.104	0.875	20.7#	47#	0.00	±40
5	S	Phenol-d6	1.339	1.218	9.0	50#	0.00	
6		Phenol	1.514	1.412	6.7	50#	0.00	
7		Bis(2-chloroethyl)ether	1.473	1.252	15.0	48#	0.00	
8		2-Chlorophenol	1.439	1.304	9.4	49#	0.00	
9		2-Methylphenol	1.301	1.164	10.5	49#	0.00	
10		Bis(2-chloroisopropyl)ether	2.966	2.090	29.5#	41#	0.00	-out
11		Acetophenone	1.816	1.615	11.1	51	0.00	
12		4-Methylphenol	1.359	1.165	14.3	47#	0.00	
13		Hexachloroethane	0.580	0.569	1.9	55	0.00	
14		N-Nitroso-di-n-propylamine	1.003	0.892	11.1	49#	0.00	
15	I	Naphthalene-d8	1.000	1.000	0.0	50#	0.00	
16	S	Nitrobenzene-d5	0.339	0.353	-4.1	52	0.00	
17		Nitrobenzene	0.362	0.340	6.1	51	0.00	
18		Isophorone	0.674	0.622	7.7	49#	0.00	
19		2-Nitrophenol	0.180	0.179	0.6	49#	0.00	
20		2,4-Dimethylphenol	0.332	0.319	3.9	53	0.00	
21		Bis(2-chloroethoxy)methane	0.422	0.374	11.4	49#	0.00	
22		2-4-Dichlorophenol	0.271	0.263	3.0	52	0.00	
23		Naphthalene	0.933	0.896	4.0	62	0.00	
24		4-Chloroaniline	0.412	0.381	7.5	51	0.00	
25		Hexachlorobutadiene	0.143	0.150	-4.9	57	0.00	
26		Caprolactam	0.107	0.104	2.8	51	0.00	
27		4-Chloro-3-methylphenol	0.285	0.292	-2.5	53	0.00	
28		2-Methylnaphthalene	0.656	0.611	6.9	56	0.00	
29	I	Acenaphthene-d10	1.000	1.000	0.0	54	0.00	
30		Hexachlorocyclopentadiene	0.231	0.270	-16.9	61	0.00	
31		1,2,4,5-tetrachlorobenzene	0.498	0.455	8.6	55	0.00	
32		2,4,6-Trichlorophenol	0.332	0.326	1.8	55	0.00	
33		2,4,5-Trichlorophenol	0.342	0.327	4.4	53	0.00	
34	S	2-Fluorobiphenyl	1.132	1.173	-3.6	56	0.00	
35		2-Chloronaphthalene	1.078	0.937	13.1	57	0.00	
36		1,1-Biphenyl	1.381	1.143	17.2	59	0.00	
37		2-Nitroaniline	0.401	0.403	-0.5	54	0.00	
38		Acenaphthylene	1.675	1.430	14.6	58	0.00	
39		Dimethyl phthalate	1.321	1.300	1.6	57	0.00	
40		2,6-Dinitrotoluene	0.254	0.240	5.5	60	0.00	
41		3-Nitroaniline	0.353	0.337	4.5	53	0.00	
42		Acenaphthene	1.165	1.078	7.5	59	0.00	
43		2,4-Dinitrophenol	0.125	0.176	-40.8#	57	0.00	-out
44		Dibenzofuran	1.531	1.451	5.2	60	0.00	
45		4-Nitrophenol	0.144	0.178	-23.6#	61	0.00	-out
46		2,4-Dinitrotoluene	0.411	0.448	-9.0	57	0.00	

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD60A_021012.D
Acq On : 22 Feb 2012 11:56 am
Operator : ERG 96-5975B
Sample : STD60A_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 14:21:58 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		2,3,4,6-tetrachlorophenol	0.252	0.276	-9.5	58	0.00
48		Fluorene	1.095	0.991	9.5	62	0.00
49		Diethyl phthalate	1.241	1.280	-3.1	59	0.00
50		4-Chlorophenyl phenyl ether	0.508	0.464	8.7	60	0.00
51		4-Nitroaniline	0.298	0.282	5.4	50	0.00
52	I	Phenanthrene-d10	1.000	1.000	0.0	58	0.00
53		4,6-Dinitro-2-methylphenol	0.106	0.122	-15.1	57	0.00
54		N-Nitrosodiphenylamine	0.620	0.515	16.9	58	0.00
55	S	2,4,6-Tribromophenol	0.074	0.071	4.1	59	0.00
56		4-Bromophenyl phenyl ether	0.181	0.166	8.3	59	0.00
57		Hexachlorobenzene	0.195	0.186	4.6	59	0.00
58		Atrazine	0.209	0.197	5.7	59	0.00
59		Pentachlorophenol	0.120	0.129	-7.5	59	0.00
60		Phenanthrene	1.041	0.950	8.7	65	0.00
61		Anthracene	1.056	0.969	8.2	66	0.00
62		Carbazole	0.968	0.874	9.7	60	0.00
63		Di-n-butyl phthalate	1.135	1.123	1.1	76	0.00
64		Fluoranthene	1.090	1.057	3.0	67	0.00
65	I	Chrysene-d12	1.000	1.000	0.0	58	0.00
66		Pyrene	1.406	1.394	0.9	66	0.00
67	S	Terphenyl-d14	0.765	0.783	-2.4	59	0.00
68		Butyl benzyl phthalate	0.581	0.598	-2.9	61	0.00
69		Benzo(a)anthracene	1.089	1.050	3.6	58	0.00
70		3,3'-Dichlorobenzidine	0.309	0.277	10.4	53	0.00
71		Chrysene	1.054	1.017	3.5	58	0.00
72		Bis(2-ethylhexyl)phthalate	0.751	0.771	-2.7	61	0.00
73	I	Perylene-d12	1.000	1.000	0.0	58	0.00
74		Di-n-octyl phthalate	1.399	1.548	-10.7	62	0.00
75		Benzo(b)fluoranthene	1.211	1.202	0.7	55	0.00
76		Benzo(k)fluoranthene	1.138	0.874	23.2#	46#	0.00 -out
77		Benzo(a)pyrene	1.092	1.097	-0.5	56	0.00
78		Indeno(1,2,3-cd)pyrene	0.899	0.820	8.8	56	0.01
79		Dibenz(a,h)anthracene	0.727	0.673	7.4	56	0.00
80		Benzo(ghi)perylene	0.748	0.660	11.8	57	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD60A_021012.D
Acq On : 22 Feb 2012 11:56 am
Operator : ERG 96-5975B
Sample : STD60A_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 14:21:58 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	696061	20.000 ug/mL	0.00
15) Naphthalene-d8	5.469	136	2681400	20.000 ug/mL	# 0.00
29) Acenaphthene-d10	7.309	164	1493258	20.000 ug/mL	0.00
52) Phenanthrene-d10	8.871	188	2789668	20.000 ug/mL	0.00
65) Chrysene-d12	11.727	240	2111399	20.000 ug/mL	# 0.00
73) Perylene-d12	13.369	264	1720367	20.000 ug/mL	0.00
System Monitoring Compounds					
3) 2-Fluorophenol	3.239	112	3920128	93.545 ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 93.55%		
5) Phenol-d6	3.945	99	4240681	90.980 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 90.98%		
16) Nitrobenzene-d5	4.795	82	2364586	52.098 ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 104.20%		
34) 2-Fluorobiphenyl	6.598	172	4380229	51.846 ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 103.70%		
55) 2,4,6-Tribromophenol	8.160	330	985155	95.048 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 95.05%		
67) Terphenyl-d14	10.577	244	4132645	51.183 ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 102.36%		
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.485	74	1488006	45.187 ug/mL#	83
4) Benzaldehyde	3.897	77	1826734	47.526 ug/mL	96
6) Phenol	3.956	94	2947716	55.954 ug/mL#	91
7) Bis(2-chloroethyl)ether	4.047	93	2614863	50.990 ug/mL	97
8) 2-Chlorophenol	4.095	128	2723797	54.400 ug/mL	97
9) 2-Methylphenol	4.480	108	2430134	53.677 ug/mL	99
10) Bis(2-chloroisopropyl)...	4.523	45	4363961	42.279 ug/mL	94
11) Acetophenone	4.646	105	3372618	53.369 ug/mL#	75
12) 4-Methylphenol	4.630	108	2433356	51.434 ug/mL	95
13) Hexachloroethane	4.715	117	1188757	58.913 ug/mL	99
14) N-Nitroso-di-n-propyla...	4.683	70	1862456	53.339 ug/mL	90
17) Nitrobenzene	4.811	77	2737526	56.425 ug/mL	95
18) Isophorone	5.036	82	5006890	55.430 ug/mL	94
19) 2-Nitrophenol	5.116	139	1437046	59.562 ug/mL#	86
20) 2,4-Dimethylphenol	5.138	107	2566390	57.587 ug/mL	94
21) Bis(2-chloroethoxy)met...	5.239	93	3010460	53.238 ug/mL	99
22) 2-4-Dichlorophenol	5.341	162	2119381	58.352 ug/mL	97
23) Naphthalene	5.496	128	7207387	57.646 ug/mL	99
24) 4-Chloroaniline	5.560	127	3068379	55.520 ug/mL	98
25) Hexachlorobutadiene	5.667	225	1204351	62.850 ug/mL	99
26) Caprolactam	5.951	113	838869	58.284 ug/mL	80
27) 4-Chloro-3-methylphenol	6.063	107	2346565	61.404 ug/mL	94
28) 2-Methylnaphthalene	6.197	142	4913994	55.844 ug/mL	98
30) Hexachlorocyclopentadiene	6.427	237	1207797	70.103 ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.411	216	2038245	54.847 ug/mL#	98
32) 2,4,6-Trichlorophenol	6.518	196	1459598	58.918 ug/mL	93
33) 2,4,5-Trichlorophenol	6.566	196	1467075	57.472 ug/mL	93
35) 2-Chloronaphthalene	6.710	162	4197205	52.160 ug/mL	97
36) 1,1-Biphenyl	6.694	154	5119632	49.659 ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD60A_021012.D
Acq On : 22 Feb 2012 11:56 am
Operator : ERG 96-5975B
Sample : STD60A_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 14:21:58 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

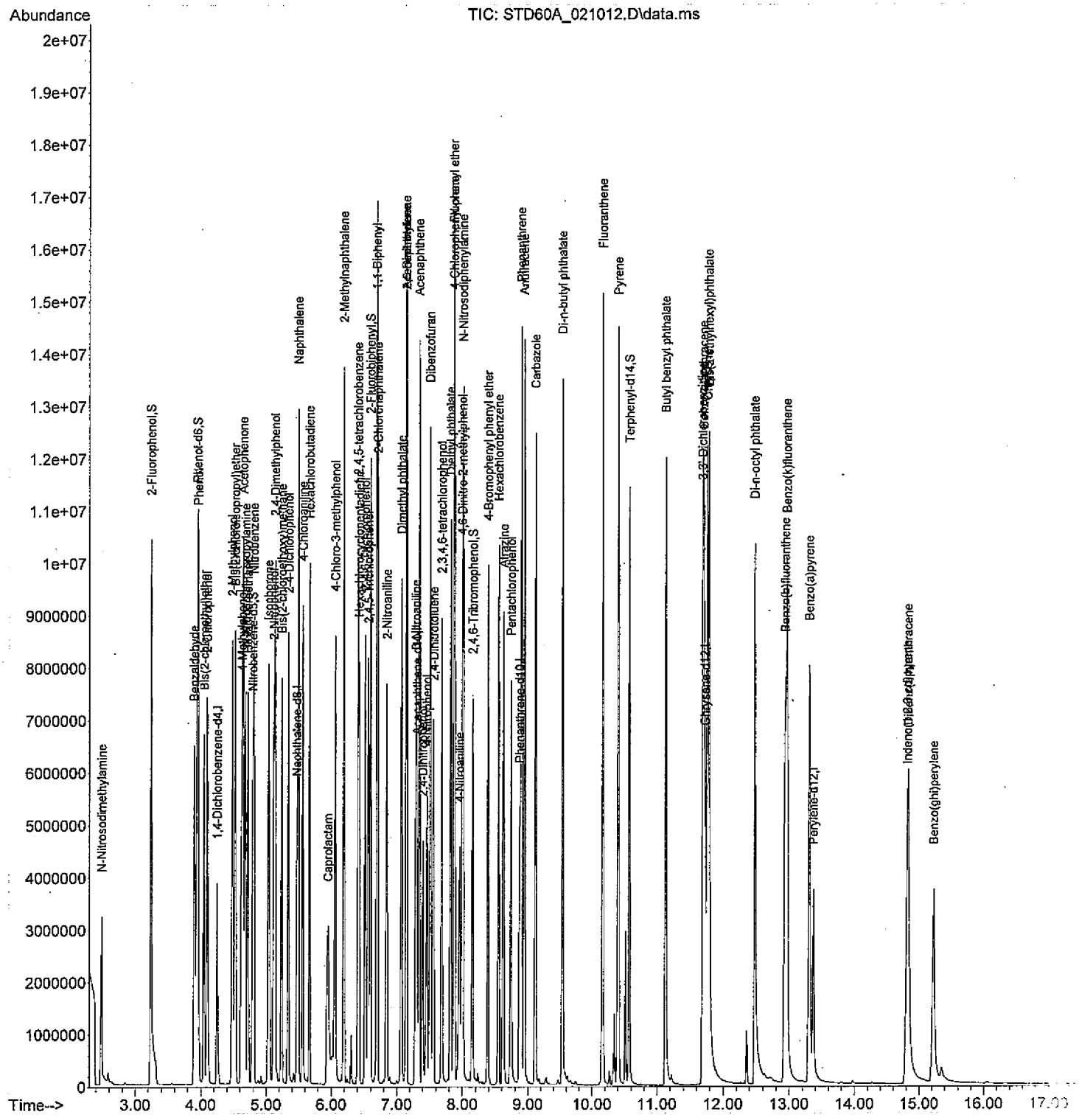
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37)	2-Nitroaniline	6.849	65	1803704	60.227 ug/mL	89
38)	Acenaphthylene	7.149	152	6404064	51.219 ug/mL	99
39)	Dimethyl phthalate	7.074	163	5825473	59.055 ug/mL	99
40)	2,6-Dinitrotoluene	7.149	165	1074516	56.765 ug/mL	89
41)	3-Nitroaniline	7.293	138	1511655	57.346 ug/mL	87
42)	Acenaphthene	7.347	153	4831061	55.542 ug/mL	96
43)	2,4-Dinitrophenol	7.400	184	788664	84.266 ug/mL	92
44)	Dibenzofuran	7.513	168	6501346	56.865 ug/mL	99
45)	4-Nitrophenol	7.464	109	797718	74.393 ug/mL	100
46)	2,4-Dinitrotoluene	7.566	165	2006359	65.453 ug/mL	96
47)	2,3,4,6-tetrachlorophenol	7.689	232	1238500	65.852 ug/mL#	93
48)	Fluorene	7.882	166	4438624	54.278 ug/mL	100
49)	Diethyl phthalate	7.823	149	5735813	61.923 ug/mL	98
50)	4-Chlorophenyl phenyl ...	7.876	204	2080677	54.849 ug/mL	96
51)	4-Nitroaniline	7.962	138	1265392	56.892 ug/mL	98
53)	4,6-Dinitro-2-methylph...	7.999	198	1018560	68.602 ug/mL#	38
54)	N-Nitrosodiphenylamine	8.015	169	4310522	49.884 ug/mL	96
56)	4-Bromophenyl phenyl e...	8.390	248	1391048	55.064 ug/mL	96
57)	Hexachlorobenzene	8.550	284	1557806	57.347 ug/mL	96
58)	Atrazine	8.625	200	1651135	56.614 ug/mL	96
59)	Pentachlorophenol	8.737	266	1075515	64.473 ug/mL	99
60)	Phenanthrene	8.898	178	7948858	54.747 ug/mL	98
61)	Anthracene	8.946	178	8111684	55.045 ug/mL	99
62)	Carbazole	9.117	167	7312153	54.134 ug/mL	99
63)	Di-n-butyl phthalate	9.540	149	9399181	59.384 ug/mL	99
64)	Fluoranthene	10.171	202	8842146	58.152 ug/mL#	90
66)	Pyrene	10.411	202	8832927	59.509 ug/mL#	91
68)	Butyl benzyl phthalate	11.134	149	3787046	61.732 ug/mL	98
69)	Benzo(a)anthracene	11.706	228	6649327	57.812 ug/mL	99
70)	3,3'-Dichlorobenzidine	11.690	252	1756353	53.920 ug/mL	97
71)	Chrysene	11.765	228	6441023	57.861 ug/mL	97
72)	Bis(2-ethylhexyl)phtha...	11.786	149	4885859	61.616 ug/mL	97
74)	Di-n-octyl phthalate	12.481	149	7990913	66.383 ug/mL	100
75)	Benzo(b)fluoranthene	12.941	252	6202057	59.536 ug/mL#	72
76)	Benzo(k)fluoranthene	12.968	252	4508414	46.048 ug/mL#	43
77)	Benzo(a)pyrene	13.310	252	5662798	60.295 ug/mL	96
78)	Indeno(1,2,3-cd)pyrene	14.824	276	4231692	54.708 ug/mL#	87
79)	Dibenz(a,h)anthracene	14.840	278	3475230	55.601 ug/mL	96
80)	Benzo(ghi)perylene	15.231	276	3405875	52.952 ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD60A_021012.D
Acq On : 22 Feb 2012 11:56 am
Operator : ERG 96-5975B
Sample : STD60A_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 14:21:58 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



cali021212erg.M Wed Feb 22 14:24:46 2012 Page: 3

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD40A_021012B.D
Acq On : 22 Feb 2012 12:47 pm
Operator : ERG 96-5975B
Sample : STD40A_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 2 Sample Multiplier: 1

CCV

Quant Time: Feb 22 14:18:43 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	53	0.00
2		2-methoxyethanol	0.052	0.044	15.4	45#	0.00
3	I	Naphthalene-d8	1.000	1.000	0.0	52	0.00
4		1-Methylnaphthalene	0.577	0.574	0.5	56	0.00
5	I	Acenaphthene-d10	1.000	1.000	0.0	57	0.00
6	I	Phenanthrene-d10	1.000	1.000	0.0	62	0.00
7	I	Chrysene-d12	1.000	1.000	0.0	62	0.00
8	I	Perylene-d12	1.000	1.000	0.0	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD40A_021012B.D
Acq On : 22 Feb 2012 12:47 pm
Operator : ERG 96-5975B
Sample : STD40A_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 14:18:43 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

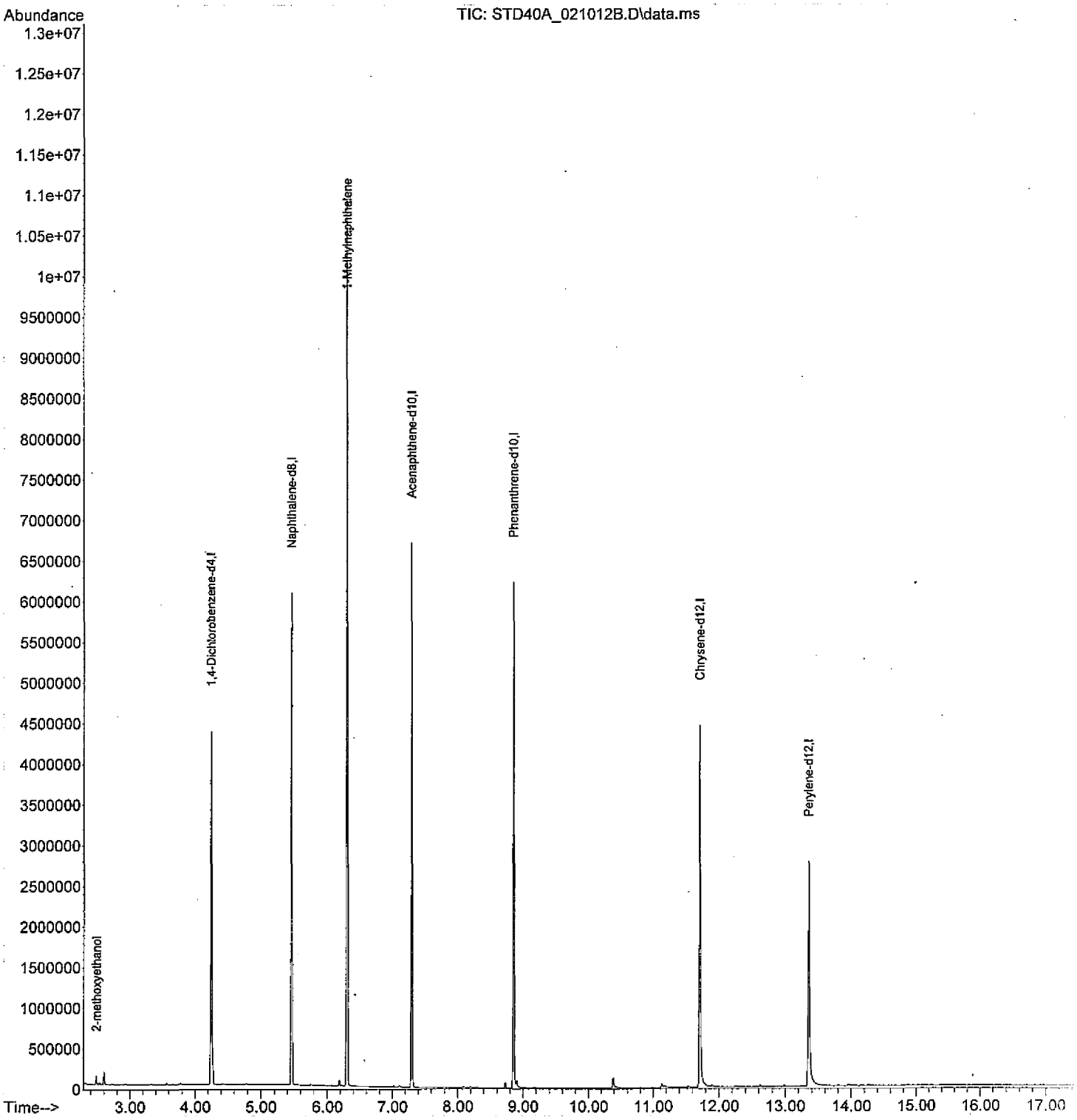
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.245	152	754941	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	2923118	20.000	ug/mL	# 0.00
5) Acenaphthene-d10	7.299	164	1619013	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.855	188	2676890	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	1976018	20.000	ug/mL	0.00
8) Perylene-d12	13.353	264	1446564	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	65258	33.171	ug/mL#	76
4) 1-Methylnaphthalene	6.304	142	3356408	39.769	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022212\
Data File : STD40A_021012B.D
Acq On : 22 Feb 2012 12:47 pm
Operator : ERG 96-5975B
Sample : STD40A_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501,601,701
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 14:18:43 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Comment: Initial Calibration 021212
Operator: ERG 96-5975B
Data Path: D:\DATA\SVOC\2012\FEB\021212 ERJ 02/12/12
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info
1) Sample	100	DFTPPG0112
Datafile		DFTPPG0112
Method		FULL SCAN R6100+
2) Sample	99	MECL2BLK1
Datafile		MECL2BLK1
Method		FULL SCAN R6100+
3) Sample	1	STD05_021012B
Datafile		STD05_021012B
Method		FULL SCAN R6100+
4) Sample	99	MECL2BLK2
Datafile		MECL2BLK2
Method		FULL SCAN R6100+
5) Sample	2	STD10_021012B
Datafile		STD10_021012B
Method		FULL SCAN R6100+
6) Sample	99	MECL2BLK3
Datafile		MECL2BLK3
Method		FULL SCAN R6100+
7) Sample	3	STD20_021012B
Datafile		STD20_021012B
Method		FULL SCAN R6100+
8) Sample	99	MECL2BLK4
Datafile		MECL2BLK4
Method		FULL SCAN R6100+
9) Sample	4	STD40_021012B
Datafile		STD40_021012B
Method		FULL SCAN R6100+
10) Sample	99	MECL2BLK5
Datafile		MECL2BLK5
Method		FULL SCAN R6100+
11) Sample	5	STD60_021012B
Datafile		STD60_021012B
Method		FULL SCAN R6100+
12) Sample	99	MECL2BLK6
Datafile		MECL2BLK6
Method		FULL SCAN R6100+
13) Sample	6	STD80_021012B
Datafile		STD80_021012B
Method		FULL SCAN R6100+
14) Sample	99	MECL2BLK7
Datafile		MECL2BLK7
Method		FULL SCAN R6100+
15) Sample	7	~~SCV60_012612~~
Datafile		SCV60_012612
Method		FULL SCAN R6100+
16) Sample	99	MECL2BLK8
Datafile		MECL2BLK8
Method		FULL SCAN R6100+
17) Sample	8	STD05_021012
Datafile		STD05_021012
Method		FULL SCAN R6100+
18) Sample	99	MECL2BLK9
Datafile		MECL2BLK9
Method		FULL SCAN R6100+

Initial Calibration Reviewed by Kari Pitt 2/13/12

IMNSCV_012612 Should have been ERJ 2/13/12

Last Modified: Sun Feb 12 15:27:36 2012

```
     Datafile              STD10_021012
     Method                FULL SCAN R6100+
20)  Sample          99    MECL2BLK10
     Datafile              MECL2BLK10
     Method                FULL SCAN R6100+
21)  Sample          10    STD20_021012
     Datafile              STD20_021012
     Method                FULL SCAN R6100+
22)  Sample          99    MECL2BLK11
     Datafile              MECL2BLK11
     Method                FULL SCAN R6100+
23)  Sample          11    STD40_021012
     Datafile              STD40_021012
     Method                FULL SCAN R6100+
24)  Sample          99    MECL2BLK12
     Datafile              MECL2BLK12
     Method                FULL SCAN R6100+
25)  Sample          12    STD60_021012
     Datafile              STD60_021012
     Method                FULL SCAN R6100+
26)  Sample          99    MECL2BLK13
     Datafile              MECL2BLK13
     Method                FULL SCAN R6100+
27)  Sample          13    STD80_021012
     Datafile              STD80_021012
     Method                FULL SCAN R6100+
28)  Sample          99    MECL2BLK14
     Datafile              MECL2BLK14
     Method                FULL SCAN R6100+
29)  Sample          14    SCV60_021212
     Datafile              SCV60_021212
     Method                FULL SCAN R6100+
30)  Sample          99    MECL2BLK15
     Datafile              MECL2BLK15
     Method                FULL SCAN R6100+
```

Method Path : D:\DATA\SVOC\calibrations\
Method File : cali021212erg.M
Title : Calibration 021212
Last Update : Mon Feb 13 11:26:25 2012
Response Via : Initial Calibration

5out

Calibration Files
5 =STD05_021012.D 10 =STD10_021012.D 20 =STD20_021012.D 40 =STD40_021012.D
60 =STD60_021012.D 80 =STD80_021012.D

		Compound	5	10	20	40	60	80	Avg	%RSD	
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		N-Nitrosodimet...	0.918	1.025	1.011	0.947	0.832	0.944	0.946	7.38	
3)	S	2-Fluorophenol	1.179	1.206	1.209	1.195	1.152	1.284	1.204	3.69	
4)		Benzaldehyde	1.256	1.247	1.209	1.101	0.928	0.886	1.104	14.78	
5)	S	Phenol-d6	1.374	1.396	1.373	1.328	1.227	1.337	1.339	4.53	
6)		Phenol	1.616	1.612	1.535	1.483	1.433	1.404	1.514	5.92	
7)		Bis(2-chloroet...	1.661	1.629	1.561	1.423	1.307	1.260	1.473	11.47	
8)		2-Chlorophenol	1.552	1.538	1.502	1.412	1.337	1.290	1.439	7.60	
9)		2-Methylphenol	1.384	1.418	1.378	1.279	1.190	1.156	1.301	8.45	
10)		Bis(2-chlorois...	3.413	3.379	3.183	2.862	2.554	2.403	2.966	14.42	
11)		Acetophenone	2.050	2.039	1.949	1.760	1.591	1.505	1.816	12.86	
12)		4-Methylphenol	1.461	1.472	1.453	1.353	1.241	1.176	1.359	9.27	
13)		Hexachloroethane	0.637	0.654	0.615	0.559	0.521	0.492	0.580	11.34	
14)		N-Nitroso-di-n...	1.096	1.102	1.045	0.972	0.909	0.895	1.003	9.11	
15)	I	Naphthalene-d8	----------ISTD----------								
16)	S	Nitrobenzene-d5	0.337	0.337	0.342	0.339	0.337	0.339	0.339	0.60	
17)		Nitrobenzene	0.402	0.390	0.376	0.346	0.331	0.325	0.362	8.91	
18)		Isophorone	0.726	0.724	0.693	0.651	0.625	0.624	0.674	7.00	
19)		2-Nitrophenol	0.163	0.183	0.192	0.187	0.180	0.175	0.180	5.63	
20)		2,4-Dimethylph...	0.368	0.369	0.348	0.319	0.297	0.294	0.332	10.24	
21)		Bis(2-chloroet...	0.472	0.466	0.443	0.409	0.379	0.362	0.422	10.89	
22)		2-4-Dichloroph...	0.281	0.288	0.288	0.268	0.253	0.247	0.271	6.56	
23)		Naphthalene	1.189	1.145	1.060	0.864	0.711	0.626	0.933	25.16	-out 20
24)		4-Chloroaniline	0.444	0.452	0.437	0.402	0.373	0.365	0.412	9.10	
25)		Hexachlorobuta...	0.159	0.156	0.149	0.138	0.130	0.125	0.143	9.88	
26)		Caprolactam	0.102	0.110	0.121	0.105	0.102	0.105	0.107	6.76	
27)		4-Chloro-3-met...	0.287	0.298	0.300	0.284	0.271	0.271	0.285	4.50	
28)		2-Methylnaphth...	0.791	0.766	0.710	0.613	0.544	0.515	0.656	17.74	
29)	I	Acenaphthene-d10	----------ISTD----------								
30)		Hexachlorocycl...	0.192	0.226	0.239	0.241	0.238	0.249	0.231	8.91	
31)		1,2,4,5-tetrac...	0.562	0.537	0.504	0.472	0.449	0.463	0.498	8.96	
32)		2,4,6-Trichlor...	0.319	0.338	0.341	0.332	0.322	0.339	0.332	2.79	
33)		2,4,5-Trichlor...	0.326	0.351	0.352	0.341	0.331	0.351	0.342	3.25	
34)	S	2-Fluorobiphenyl	1.107	1.126	1.079	1.110	1.139	1.229	1.132	4.57	
35)		2-Chloronaphth...	1.310	1.264	1.147	0.990	0.886	0.869	1.078	17.67	<40 40
36)		1,1-Biphenyl	1.792	1.719	1.496	1.245	1.051	0.982	1.381	24.73	
37)		2-Nitroaniline	0.371	0.402	0.402	0.405	0.398	0.428	0.401	4.53	
38)		Acenaphthylene	2.092	2.030	1.805	1.520	1.328	1.272	1.675	21.09	-out 20
39)		Dimethyl phtha...	1.352	1.389	1.346	1.301	1.240	1.299	1.321	3.94	
40)		2,6-Dinitrotol...	0.281	0.291	0.278	0.242	0.214	0.214	0.254	13.69	
41)		3-Nitroaniline	0.323	0.359	0.369	0.362	0.345	0.359	0.353	4.64	
42)		Acenaphthene	1.375	1.344	1.213	1.075	0.989	0.993	1.165	14.72	
43)		2,4-Dinitrophenol	0.047	0.077	0.115	0.147	0.166	0.200	0.125	45.32	-out 35
44)		Dibenzofuran	1.771	1.743	1.591	1.473	1.311	1.299	1.531	13.43	
45)		4-Nitrophenol	0.101	0.121	0.145	0.156	0.159	0.180	0.144	19.80	
46)		2,4-Dinitrotol...	0.347	0.393	0.411	0.425	0.425	0.462	0.411	9.37	
47)		2,3,4,6-tetrac...	0.221	0.248	0.256	0.256	0.256	0.275	0.252	7.01	
48)		Fluorene	1.397	1.320	1.157	0.977	0.863	0.859	1.095	21.17	-out 20
49)		Diethyl phthalate	1.283	1.279	1.284	1.231	1.164	1.202	1.241	4.04	
50)		4-Chlorophenyl...	0.628	0.591	0.530	0.465	0.416	0.418	0.508	17.62	
51)		4-Nitroaniline	0.250	0.289	0.316	0.312	0.302	0.317	0.298	8.57	
52)	I	Phenanthrene-d10	----------ISTD----------								

Method Path : D:\DATA\SVOC\calibrations\
Method File : cali021212erg.M
Title : Calibration 021212

53)		4,6-Dinitro-2-...	0.059	0.091	0.118	0.130	0.124	0.117	0.106	25.32 <35
54)		N-Nitrosodiphe...	0.744	0.726	0.677	0.585	0.511	0.474	0.620	18.26
55)	S	2,4,6-Tribromo...	0.071	0.076	0.078	0.074	0.069	0.078	0.074	5.04
56)		4-Bromophenyl ...	0.201	0.198	0.189	0.174	0.163	0.162	0.181	9.50
57)		Hexachlorobenzene	0.213	0.208	0.200	0.185	0.181	0.181	0.195	7.14
58)		Atrazine	0.215	0.225	0.221	0.208	0.193	0.192	0.209	6.67
59)		Pentachlorophenol	0.095	0.112	0.125	0.128	0.127	0.132	0.120	11.78
60)		Phenanthrene	1.282	1.222	1.131	0.996	0.846	0.769	1.041	19.81
61)		Anthracene	1.276	1.251	1.189	1.026	0.845	0.753	1.056	20.79 =out 20
62)		Carbazole	1.083	1.098	1.066	0.963	0.839	0.761	0.968	14.55
63)		Di-n-butyl pht...	1.377	1.410	1.355	1.052	0.848	0.766	1.135	25.14 <35
64)		Fluoranthene	1.243	1.267	1.217	1.079	0.913	0.821	1.090	17.13
65)	I	Chrysene-d12	----------ISTD----------							
66)		Pyrene	1.619	1.567	1.494	1.389	1.215	1.152	1.406	13.50
67)	S	Terphenyl-d14	0.765	0.743	0.748	0.763	0.765	0.805	0.765	2.82
68)		Butyl benzyl p...	0.571	0.598	0.608	0.588	0.563	0.559	0.581	3.37
69)		Benzo(a)anthra...	1.124	1.149	1.142	1.064	1.041	1.017	1.089	5.15
70)		3,3'-Dichlorob...	0.290	0.316	0.337	0.320	0.300	0.289	0.309	6.16
71)		Chrysene	1.082	1.121	1.095	1.056	1.015	0.958	1.054	5.65
72)		Bis(2-ethylhex...	0.758	0.767	0.799	0.769	0.724	0.691	0.751	5.10
73)	I	Perylene-d12	----------ISTD----------							
74)		Di-n-octyl pht...	1.214	1.351	1.492	1.507	1.441	1.392	1.399	7.74
75)		Benzo(b)fluora...	1.073	1.205	1.187	1.266	1.271	1.265	1.211	6.31
76)		Benzo(k)fluora...	1.171	1.176	1.205	1.103	1.106	1.069	1.138	4.66
77)		Benzo(a)pyrene	0.993	1.066	1.143	1.125	1.125	1.099	1.092	5.06
78)		Indeno(1,2,3-c...	0.922	0.958	0.941	0.879	0.846	0.849	0.899	5.33
79)		Dibenz(a,h)ant...	0.732	0.762	0.757	0.717	0.693	0.699	0.727	3.99
80)		Benzo(ghi)pery...	0.815	0.833	0.789	0.704	0.673	0.672	0.748	9.77

(#) = Out of Range

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

8 out
with 5 out
by less than
1%

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

SCV

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	
2		N-Nitrosodimethylamine	0.946	1.143	-20.8#	111	0.01	-out
3	S	2-Fluorophenol	1.204	1.415	-17.5	99	0.00	
4		Benzaldehyde	1.104	1.059	4.1	92	0.00	
5	S	Phenol-d6	1.339	1.546	-15.5	102	0.00	
6		Phenol	1.514	1.754	-15.9	99	0.00	
7		Bis(2-chloroethyl)ether	1.473	1.373	6.8	85	0.00	
8		2-Chlorophenol	1.439	1.586	-10.2	96	0.00	
9		2-Methylphenol	1.301	1.375	-5.7	93	0.00	
10		Bis(2-chloroisopropyl)ether	2.966	3.004	-1.3	95	0.00	
11		Acetophenone	1.816	1.948	-7.3	99	0.00	
12		4-Methylphenol	1.359	1.468	-8.0	95	-0.02	
13		Hexachloroethane	0.580	0.611	-5.3	95	0.00	
14		N-Nitroso-di-n-propylamine	1.003	1.068	-6.5	95	0.00	
15	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	
16	S	Nitrobenzene-d5	0.339	0.341	-0.6	93	0.00	
17		Nitrobenzene	0.362	0.346	4.4	96	0.00	
18		Isophorone	0.674	0.656	2.7	96	0.00	
19		2-Nitrophenol	0.180	0.188	-4.4	96	0.00	
20		2,4-Dimethylphenol	0.332	0.290	12.7	90	0.00	
21		Bis(2-chloroethoxy)methane	0.422	0.385	8.8	93	0.00	
22		2-4-Dichlorophenol	0.271	0.268	1.1	97	0.00	
23		Naphthalene	0.933	0.745	20.2#	96	0.00	-out
24		4-Chloroaniline	0.412	0.401	2.7	99	0.00	
25		Hexachlorobutadiene	0.143	0.133	7.0	94	0.00	
26		Caprolactam	0.107	0.109	-1.9	98	0.00	
27		4-Chloro-3-methylphenol	0.285	0.281	1.4	95	0.00	
28		2-Methylnaphthalene	0.656	0.562	14.3	95	0.00	
29	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00	
30		Hexachlorocyclopentadiene	0.231	0.281	-21.6#	110	0.00	<40
31		~~1,2,4,5-tetrachlorobenzene~~	~~0.498~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-6.41#~~	NOT IN MIX
32		2,4,6-Trichlorophenol	0.332	0.346	-4.2	100	0.00	
33		2,4,5-Trichlorophenol	0.342	0.341	0.3	96	0.00	
34	S	2-Fluorobiphenyl	1.132	1.181	-4.3	96	0.00	
35		2-Chloronaphthalene	1.078	0.926	14.1	97	0.00	
36		1,1-Biphenyl	1.381	1.115	19.3	99	0.00	
37		2-Nitroaniline	0.401	0.419	-4.5	98	0.00	
38		Acenaphthylene	1.675	1.384	17.4	97	0.00	
39		Dimethyl phthalate	1.321	1.283	2.9	96	0.00	
40		2,6-Dinitrotoluene	0.254	0.233	8.3	101	0.00	
41		3-Nitroaniline	0.353	0.357	-1.1	96	0.00	
42		Acenaphthene	1.165	1.004	13.8	94	0.00	
43		2,4-Dinitrophenol	0.125	0.184	-47.2#	103	0.00	-out
44		Dibenzofuran	1.531	1.411	7.8	100	0.00	
45		4-Nitrophenol	0.144	0.172	-19.4	101	0.00	
46		2,4-Dinitrotoluene	0.411	0.456	-10.9	100	0.00	

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
47		~~2,3,4,6-tetrachlorophenol~~	~~0.252~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-7.69#~~	Not in mix
48		Fluorene	1.095	0.883	19.4	95	0.00	
49		Diethyl phthalate	1.241	1.214	2.2	97	0.00	
50		4-Chlorophenyl phenyl ether	0.508	0.436	14.2	97	0.00	
51		4-Nitroaniline	0.298	0.319	-7.0	98	0.00	
52	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	
53		4,6-Dinitro-2-methylphenol	0.106	0.134	-26.4#	105	0.00	-out
54		N-Nitrosodiphenylamine	0.620	0.437	29.5#	83	0.00	-out
55	S	2,4,6-Tribromophenol	0.074	0.070	5.4	98	0.00	
56		4-Bromophenyl phenyl ether	0.181	0.163	9.9	97	0.00	
57		Hexachlorobenzene	0.195	0.183	6.2	98	0.00	
58		Atrazine	0.209	0.193	7.7	97	0.00	
59		Pentachlorophenol	0.120	0.125	-4.2	96	0.00	
60		Phenanthrene	1.041	0.862	17.2	99	0.00	
61		Anthracene	1.056	0.839	20.5#	96	0.00	-out
62		Carbazole	0.968	0.844	12.8	98	0.00	
63		Di-n-butyl phthalate	1.135	0.897	21.0#	102	0.00	-out
64		Fluoranthene	1.090	0.919	15.7	97	0.00	
65	I	Chrysene-d12	1.000	1.000	0.0	98	0.00	
66		Pyrene	1.406	1.203	14.4	97	0.00	
67	S	Terphenyl-d14	0.765	0.779	-1.8	99	0.00	
68		Butyl benzyl phthalate	0.581	0.580	0.2	100	0.00	
69		Benzo(a)anthracene	1.089	1.026	5.8	96	0.00	
70		3,3'-Dichlorobenzidine	0.309	0.246	20.4#	80	0.00	-out
71		Chrysene	1.054	0.987	6.4	95	0.00	
72		Bis(2-ethylhexyl)phthalate	0.751	0.754	-0.4	102	0.00	
73	I	Perylene-d12	1.000	1.000	0.0	99	0.00	
74		Di-n-octyl phthalate	1.399	1.491	-6.6	102	0.00	
75		Benzo(b)fluoranthene	1.211	1.231	-1.7	95	0.00	
76		Benzo(k)fluoranthene	1.138	1.068	6.2	95	0.00	
77		Benzo(a)pyrene	1.092	0.981	10.2	86	0.00	
78		Indeno(1,2,3-cd)pyrene	0.899	0.867	3.6	101	0.01	
79		Dibenz(a,h)anthracene	0.727	0.707	2.8	100	0.00	
80		Benzo(ghi)perylene	0.748	0.692	7.5	101	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

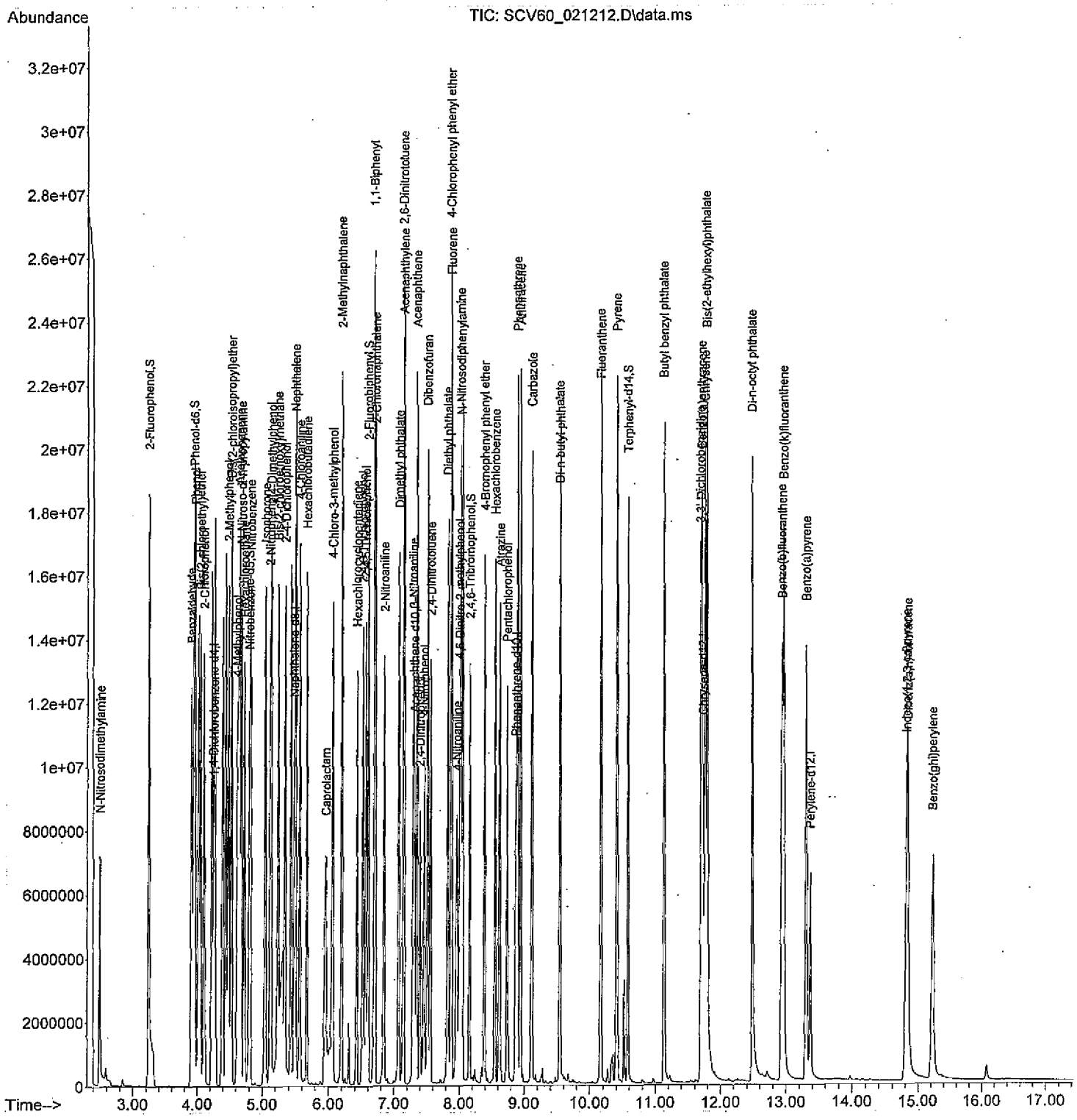
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1114764	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	4968787	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2573839	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4682766	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	3573597	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2928067	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	7886803	117.513	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 117.51%#			
5) Phenol-d6	3.945	99	8619420	115.465	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 115.47%#			
16) Nitrobenzene-d5	4.795	82	4241839	50.434	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.86%			
34) 2-Fluorobiphenyl	6.598	172	7602396	52.206	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 104.42%			
55) 2,4,6-Tribromophenol	8.160	330	1632569	93.834	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 93.83%			
67) Terphenyl-d14	10.577	244	6960525	50.934	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 101.86%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.495	74	3824009	72.510	ug/mL	93
4) Benzaldehyde	3.902	77	3542132	57.543	ug/mL	95
6) Phenol	3.961	94	5867188	69.541	ug/mL	96
7) Bis(2-chloroethyl)ether	4.046	93	4592875	55.922	ug/mL	88
8) 2-Chlorophenol	4.100	128	5303421	66.138	ug/mL	96
9) 2-Methylphenol	4.480	108	4598437	63.421	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.528	45	10047631	60.781	ug/mL#	90
11) Acetophenone	4.651	105	6514131	64.364	ug/mL#	76
12) 4-Methylphenol	4.613	108	4908905	64.788	ug/mL	82
13) Hexachloroethane	4.720	117	2044456	63.264	ug/mL	100
14) N-Nitroso-di-n-propyla...	4.678	70	3570079	63.841	ug/mL#	88
17) Nitrobenzene	4.817	77	5164468	57.445	ug/mL	97
18) Isophorone	5.041	82	9775762	58.404	ug/mL	95
19) 2-Nitrophenol	5.116	139	2795539	62.528	ug/mL	91
20) 2,4-Dimethylphenol	5.138	107	4323951	52.359	ug/mL	89
21) Bis(2-chloroethoxy)met...	5.239	93	5734708	54.729	ug/mL	98
22) 2-4-Dichlorophenol	5.341	162	3999264	59.421	ug/mL	97
23) Naphthalene	5.491	128	11104986	47.931	ug/mL	98
24) 4-Chloroaniline	5.560	127	5981917	58.411	ug/mL	97
25) Hexachlorobutadiene	5.667	225	1985948	55.928	ug/mL	100
26) Caprolactam	5.956	113	1630055	61.118	ug/mL#	78
27) 4-Chloro-3-methylphenol	6.058	107	4193216	59.214	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	8370384	51.333	ug/mL	99
30) Hexachlorocyclopentadiene	6.427	237	2170459	73.088	ug/mL	100
32) 2,4,6-Trichlorophenol	6.518	196	2670164	62.533	ug/mL	93
33) 2,4,5-Trichlorophenol	6.560	196	2634537	59.877	ug/mL	93
35) 2-Chloronaphthalene	6.710	162	7150711	51.556	ug/mL	99
36) 1,1-Biphenyl	6.694	154	8610511	48.455	ug/mL	99
37) 2-Nitroaniline	6.849	65	3234610	62.661	ug/mL	91

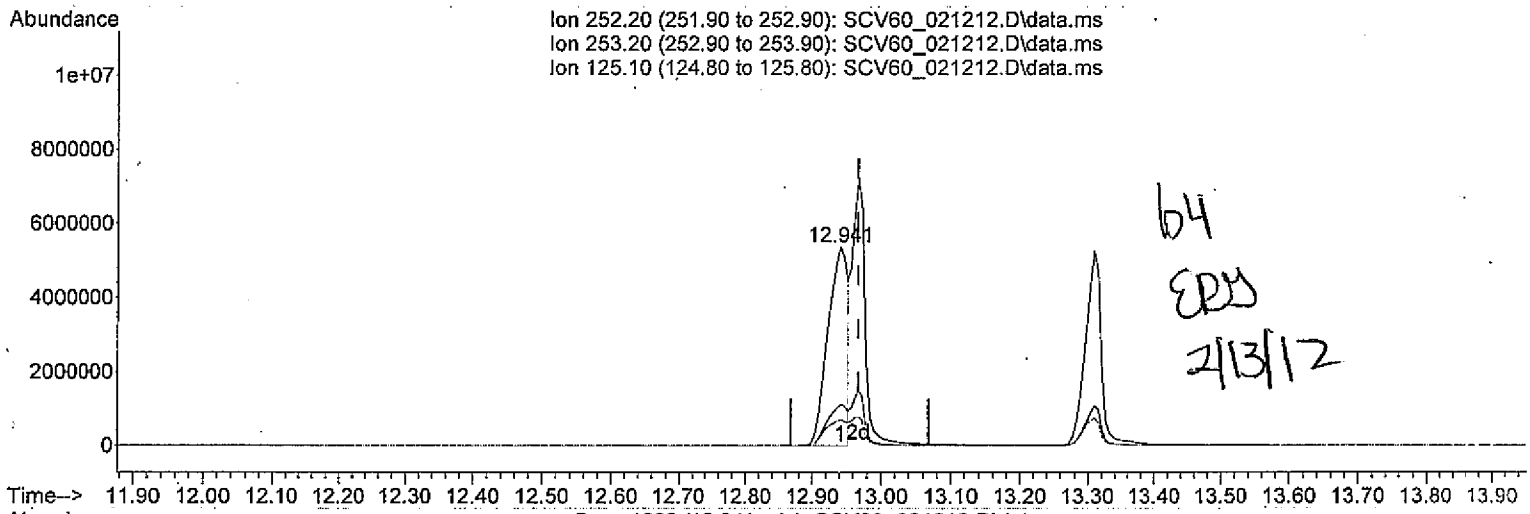
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

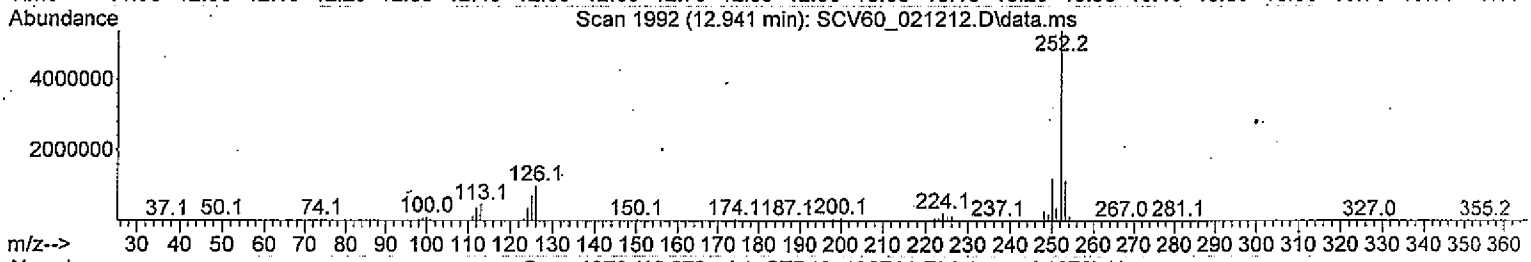


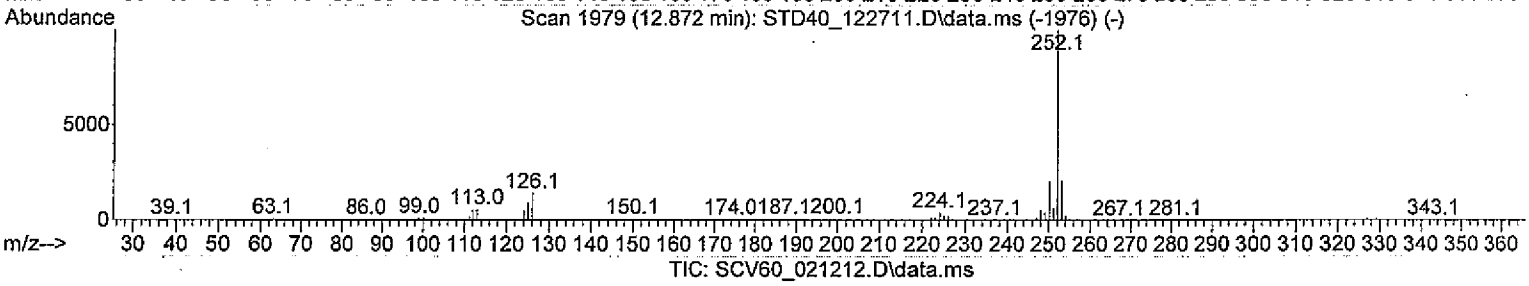
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:29:06 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



b4
EDY
2/13/12





TIC: SCV60_021212.D\data.ms

(76) Benzo(k)fluoranthene

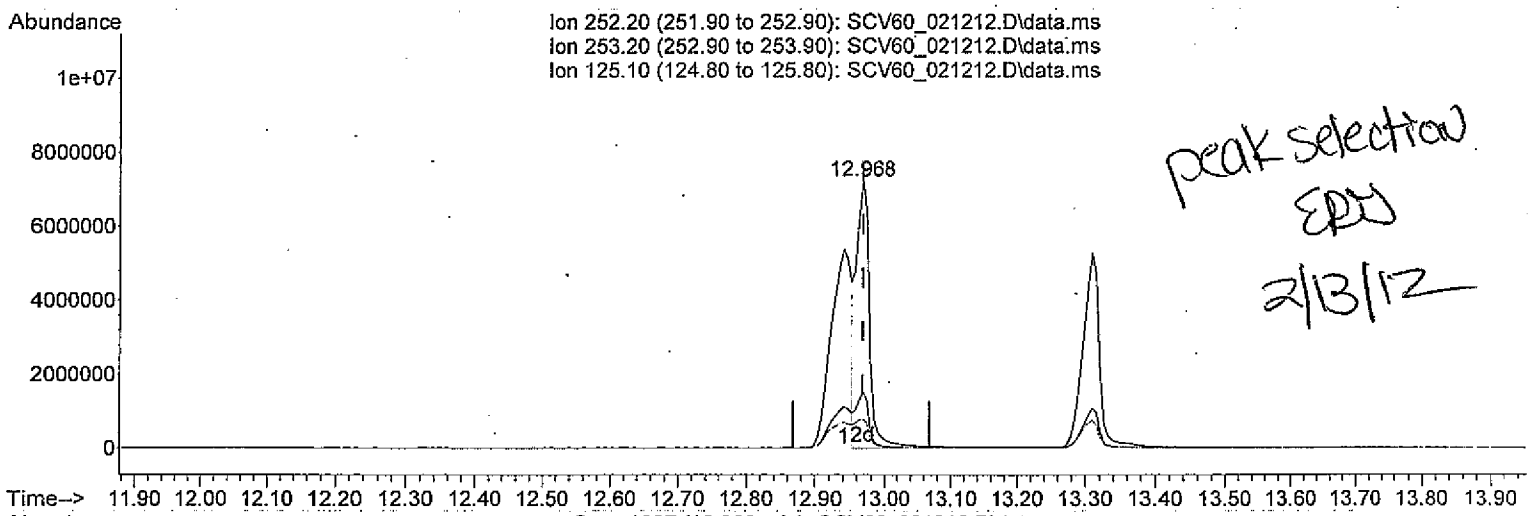
12.941min (-0.027) 64.87 ug/mL

response 10809402

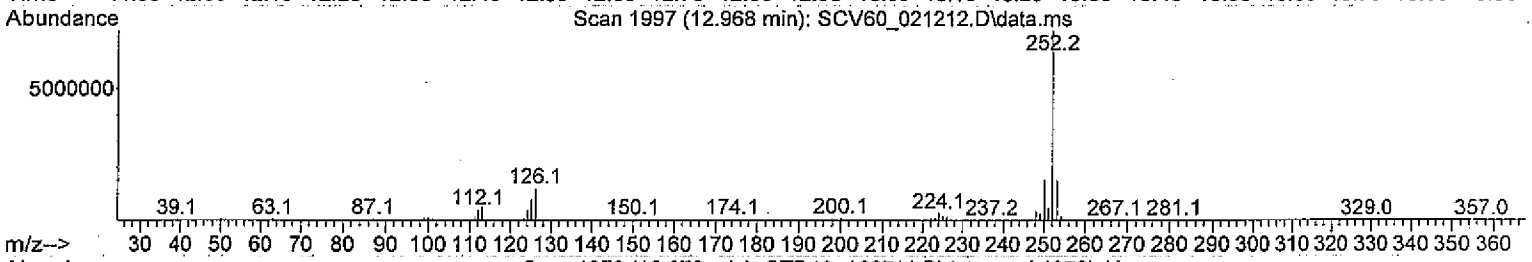
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.17
125.10	14.90	14.41
0.00	0.00	0.00

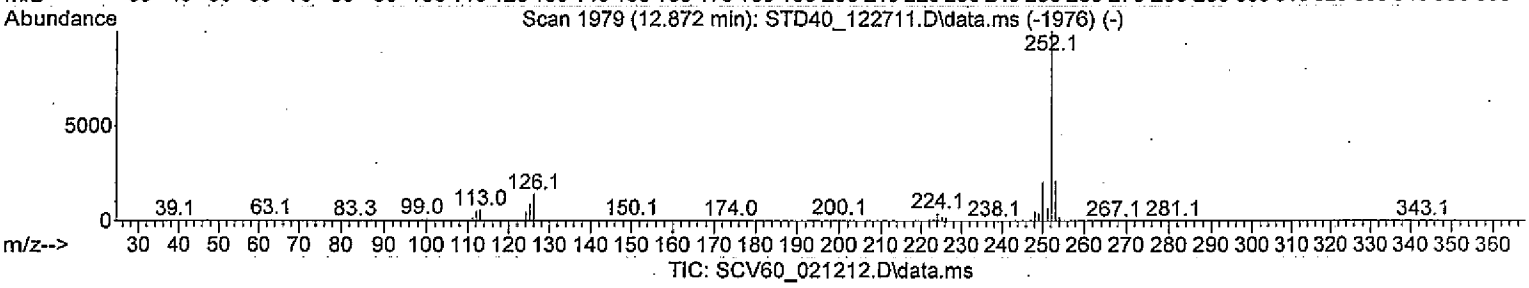
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:29:06 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
EPW
2/13/12





TIC: SCV60_021212.D\data.ms

(76) Benzo(k)fluoranthene

12.968min (-0.000) 56.30 ug/mL m

response 9380886

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	24.39
125.10	14.90	16.61
0.00	0.00	0.00

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\021212\DFTPPG0112.D
Tune Time : 12 Feb 2012 3:31 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012.D

						1383290	5416330	2769460
						4831900	3659970	2970560

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SCV60_021212.D								
	SCV60_0212	118*	115*	101	104	1114764	4968787	2573839
		94	102			4682766	3573597	2928067
STD05_021012.D								
	STD05_0210	98	103	99	98	1480003	5812007	3010799
		96	100			4689826	3857262	3192599
STD10_021012.D								
	STD10_0210	100	104	99	99	1451279	5747491	2972968
		102	97			4718473	4007460	3282873
STD20_021012.D								
	STD20_0210	100	103	101	95	1523258	6005137	3180358
		105	98			5142736	4330461	3590016
STD40_021012.D								
	STD40_0210	99	99	100	98	1413607	5563705	2899538
		100	100			4870908	3891224	3222824
STD60_021012.D								
	STD60_0210	96	92	100	101	1383291	5416333	2769463
		93	100			4831900	3659974	2970562
STD80_021012.D								
	STD80_0210	107	100	100	109	1271635	4950545	2400963
		105	105			4558951	3404470	2712559

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 13 11:34:41 2012 CWA

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1480003	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	5812007	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.304	164	3010799	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	4689826	20.000	ug/mL	-0.01
65) Chrysene-d12	11.717	240	3857262	20.000	ug/mL	-0.01
73) Perylene-d12	13.359	264	3192599	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8723665	97.905	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 97.90%			
5) Phenol-d6	3.940	99	10170317	102.619	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 102.62%			
16) Nitrobenzene-d5	4.785	82	4894093	49.747	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.50%			
34) 2-Fluorobiphenyl	6.593	172	8334377	48.926	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 97.86%			
55) 2,4,6-Tribromophenol	8.149	330	1666795	95.657	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 95.66%			
67) Terphenyl-d14	10.577	244	7374789	49.996	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 100.00%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	339715	4.852	ug/mL	89
4) Benzaldehyde	3.902	77	464746	5.687	ug/mL	98
6) Phenol	3.945	94	597756	5.337	ug/mL#	24
7) Bis(2-chloroethyl)ether	4.036	93	614674	5.637	ug/mL	97
8) 2-Chlorophenol	4.095	128	574273	5.394	ug/mL	97
9) 2-Methylphenol	4.469	108	512144	5.320	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.517	45	1262870	5.754	ug/mL#	90
11) Acetophenone	4.635	105	758600	5.646	ug/mL	92
12) 4-Methylphenol	4.603	108	540511	5.373	ug/mL	97
13) Hexachloroethane	4.720	117	235705	5.494	ug/mL	95
14) N-Nitroso-di-n-propyla...	4.651	70	405593	5.463	ug/mL#	85
17) Nitrobenzene	4.801	77	584509	5.558	ug/mL	97
18) Isophorone	5.020	82	1055262	5.390	ug/mL	95
19) 2-Nitrophenol	5.106	139	236800	4.528	ug/mL#	84
20) 2,4-Dimethylphenol	5.116	107	534772	5.536	ug/mL	86
21) Bis(2-chloroethoxy)met...	5.223	93	685360	5.592	ug/mL	99
22) 2-4-Dichlorophenol	5.325	162	408675	5.191	ug/mL	97
23) Naphthalene	5.485	128	1728237	6.377	ug/mL	99
24) 4-Chloroaniline	5.550	127	645443	5.388	ug/mL	98
25) Hexachlorobutadiene	5.662	225	231085	5.564	ug/mL	99
26) Caprolactam	5.865	113	147961m	4.743	ug/mL	
27) 4-Chloro-3-methylphenol	6.031	107	416448	5.028	ug/mL	91
28) 2-Methylnaphthalene	6.186	142	1149913	6.029	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	144208	4.151	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.405	216	422722	5.642	ug/mL	98
32) 2,4,6-Trichlorophenol	6.507	196	240124	4.811	ug/mL	93
33) 2,4,5-Trichlorophenol	6.539	196	245653	4.772	ug/mL	93
35) 2-Chloronaphthalene	6.694	162	985774	6.076	ug/mL	98
36) 1,1-Biphenyl	6.683	154	1349011	6.490	ug/mL	98

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

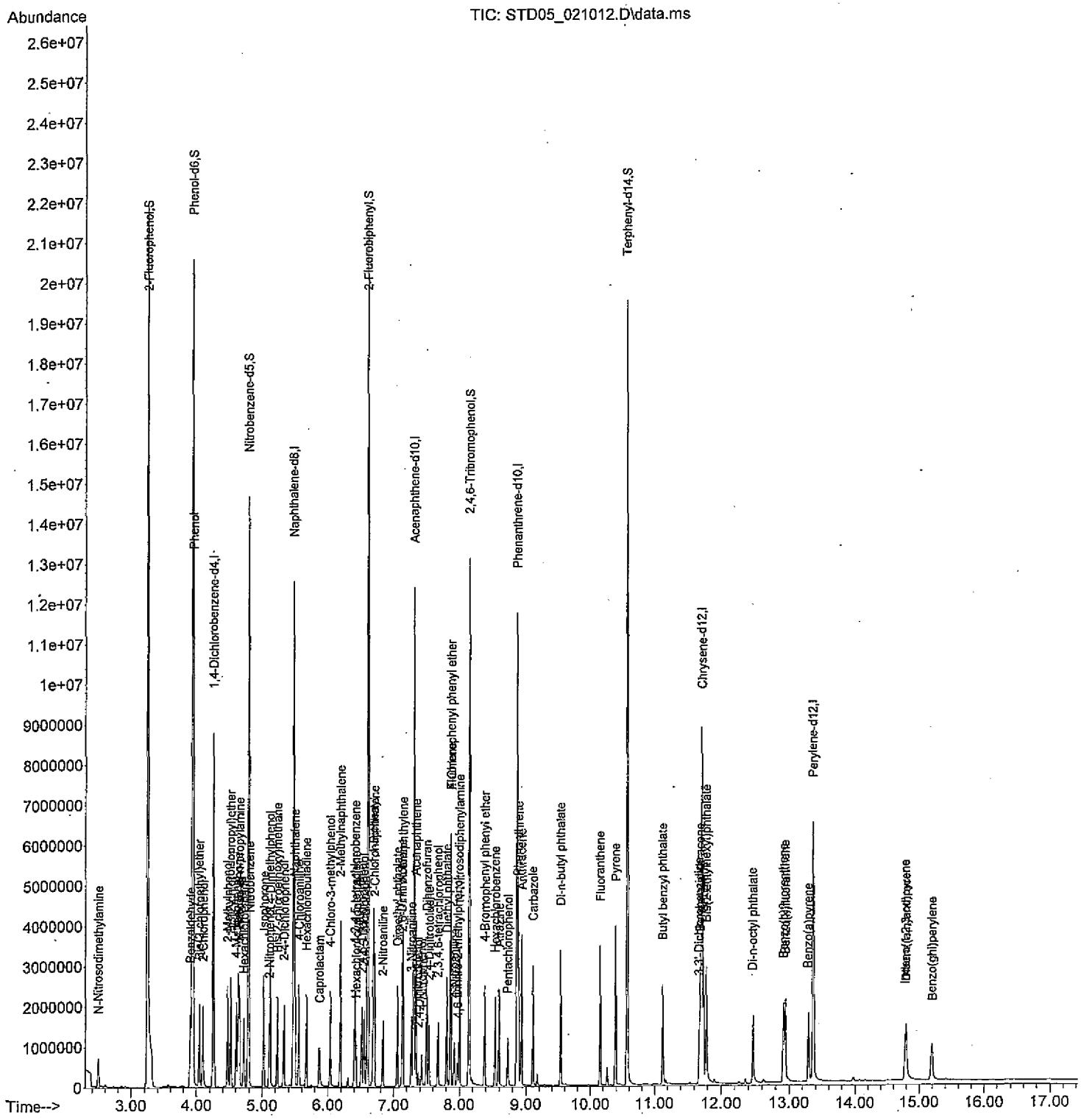
Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	2-Nitroaniline	6.828	65	279499	4.629	ug/mL	90
38)	Acenaphthylene	7.138	152	1574769	6.247	ug/mL	99
39)	Dimethyl phthalate	7.058	163	1017426	5.115	ug/mL	99
40)	2,6-Dinitrotoluene	7.127	165	211843	5.551	ug/mL	89
41)	3-Nitroaniline	7.266	138	243434	4.580	ug/mL	87
42)	Acenaphthene	7.336	153	1034754	5.900	ug/mL	98
43)	2,4-Dinitrophenol	7.373	184	35721	1.893	ug/mL#	1
44)	Dibenzofuran	7.502	168	1332708	5.781	ug/mL	94
45)	4-Nitrophenol	7.427	109	76083	3.519	ug/mL	88
46)	2,4-Dinitrotoluene	7.539	165	261079	4.224	ug/mL	100
47)	2,3,4,6-tetrachlorophenol	7.673	232	166094	4.380	ug/mL#	92
48)	Fluorene	7.865	166	1051256	6.376	ug/mL	100
49)	Diethyl phthalate	7.807	149	965905	5.172	ug/mL	100
50)	4-Chlorophenyl phenyl ...	7.865	204	472423	6.177	ug/mL	93
51)	4-Nitroaniline	7.919	138	188438	4.200	ug/mL	95
53)	4,6-Dinitro-2-methylph...	7.967	198	68711	2.753	ug/mL#	85
54)	N-Nitrosodiphenylamine	7.994	169	871913	6.002	ug/mL	99
56)	4-Bromophenyl phenyl e...	8.379	248	236157	5.561	ug/mL	98
57)	Hexachlorobenzene	8.534	284	249462	5.463	ug/mL	95
58)	Atrazine	8.593	200	251770	5.135	ug/mL	98
59)	Pentachlorophenol	8.721	266	110811	3.951	ug/mL	100
60)	Phenanthrene	8.882	178	1502819	6.157	ug/mL	98
61)	Anthracene	8.930	178	1495811	6.038	ug/mL	99
62)	Carbazole	9.101	167	1270036	5.593	ug/mL	99
63)	Di-n-butyl phthalate	9.529	149	1614090	6.066	ug/mL	99
64)	Fluoranthene	10.149	202	1457821	5.703	ug/mL	99
66)	Pyrene	10.390	202	1560748	5.756	ug/mL	100
68)	Butyl benzyl phthalate	11.123	149	550861	4.915	ug/mL	99
69)	Benzo(a)anthracene	11.690	228	1083530	5.157	ug/mL	99
70)	3,3'-Dichlorobenzidine	11.674	252	279695	4.700	ug/mL	98
71)	Chrysene	11.738	228	1043275	5.130	ug/mL	99
72)	Bis(2-ethylhexyl)phtha...	11.781	149	730501	5.043	ug/mL	99
74)	Di-n-octyl phthalate	12.465	149	968698	4.336	ug/mL	100
75)	Benzo(b)fluoranthene	12.915	252	856178m	4.506	ug/mL	
76)	Benzo(k)fluoranthene	12.941	252	934317	5.151	ug/mL	99
77)	Benzo(a)pyrene	13.284	252	792794	4.549	ug/mL	99
78)	Indeno(1,2,3-cd)pyrene	14.787	276	735783	5.124	ug/mL#	80
79)	Dibenz(a,h)anthracene	14.797	278	583944	5.034	ug/mL	98
80)	Benzo(ghi)perylene	15.193	276	650871	5.452	ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

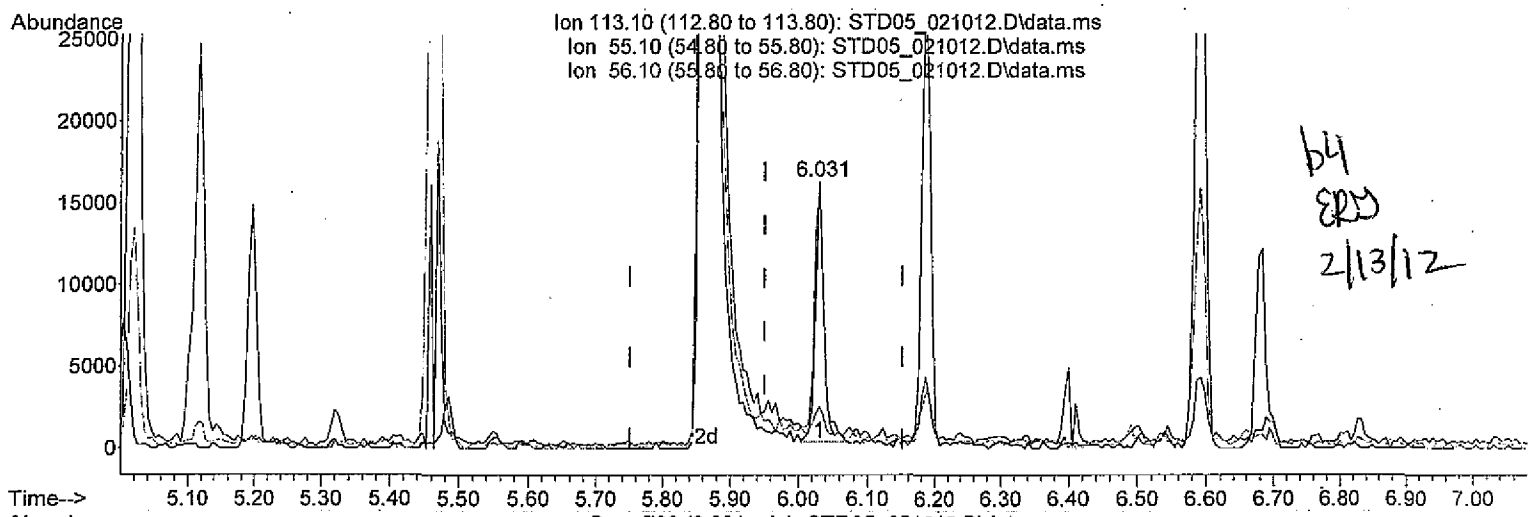
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

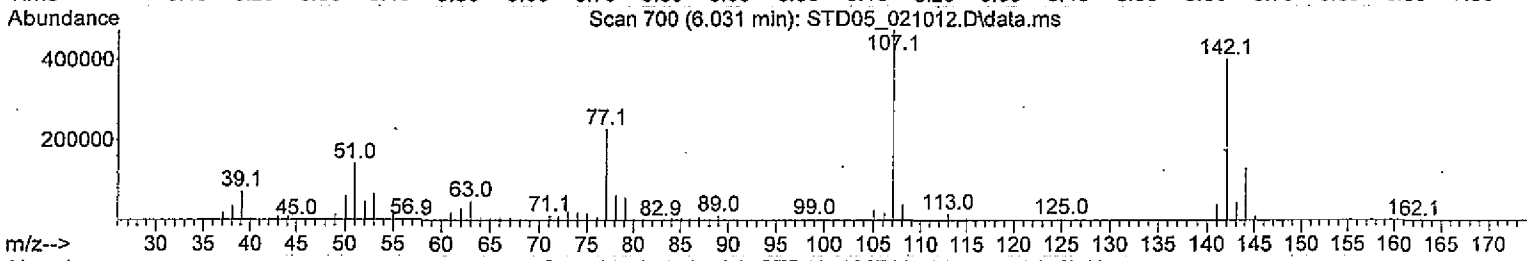
Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

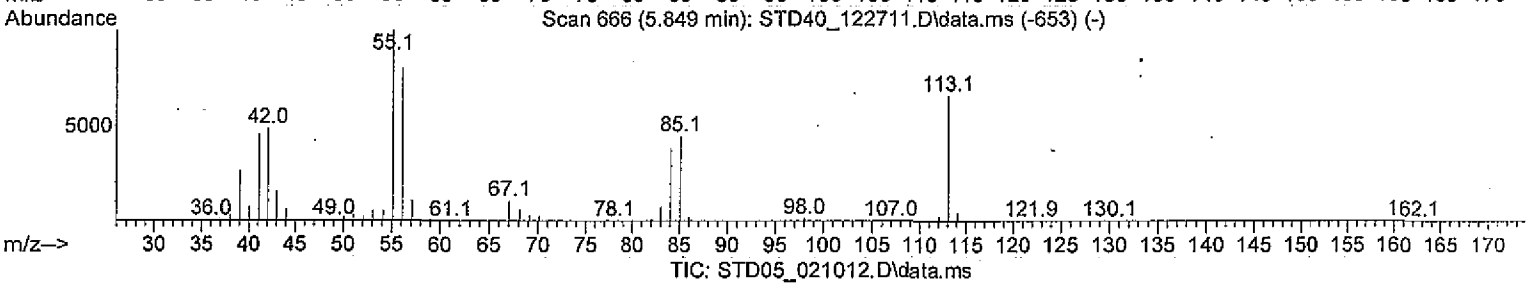


Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration







(26) Caprolactam

6.031min (+0.080) 0.44 ug/mL

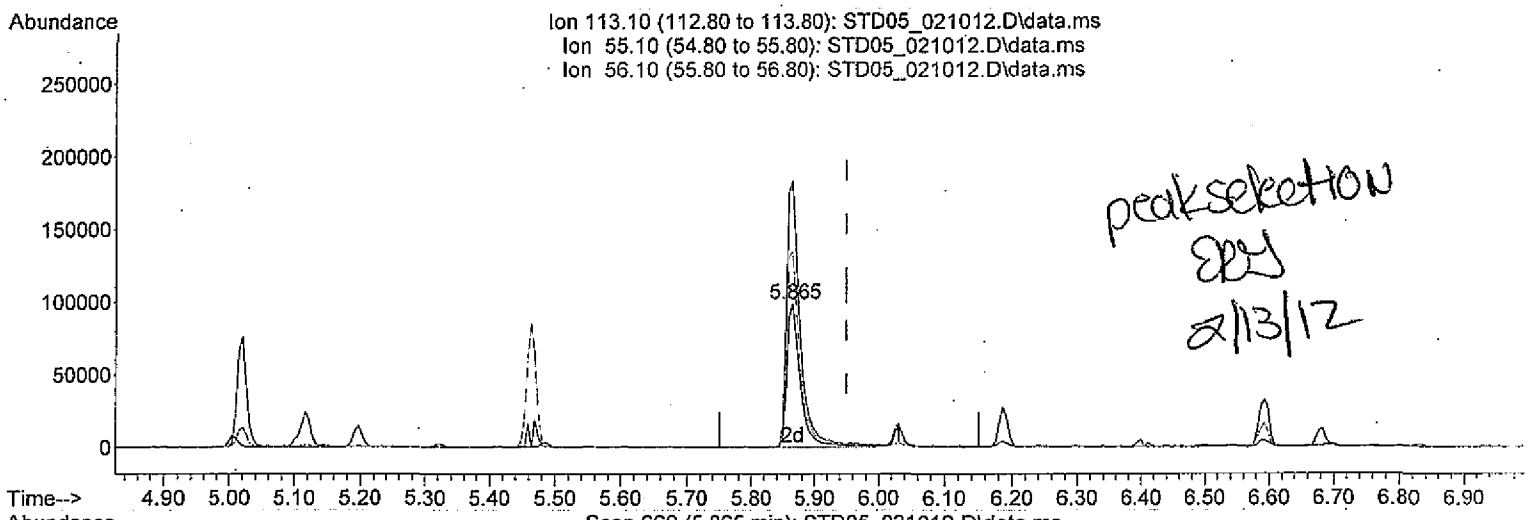
response 13724

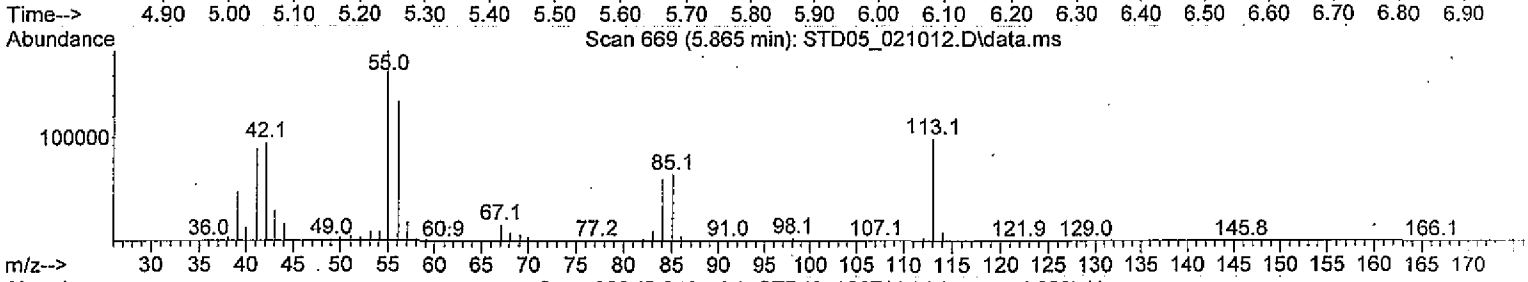
Ion	Exp%	Act%
113.10	100	100
55.10	154.30	107.22#
56.10	117.30	0.00#
0.00	0.00	0.00

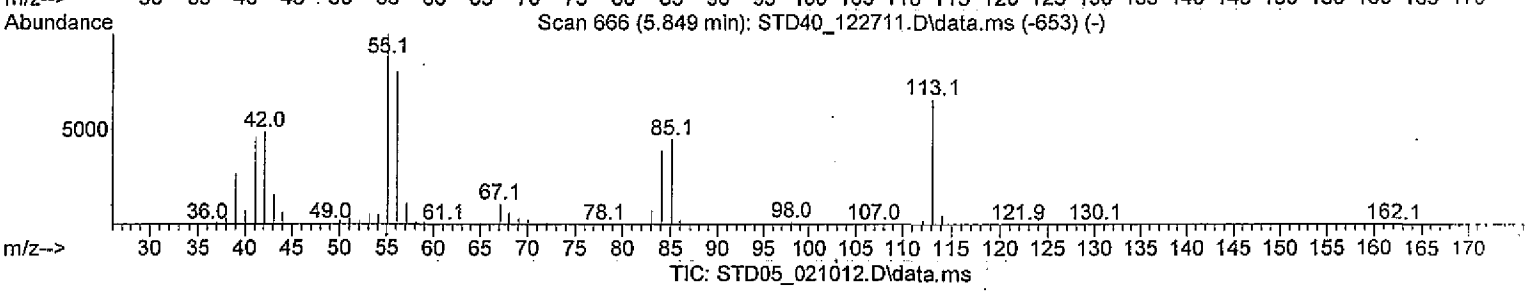
✓ OK
ICP
2/13/12

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration







TIC: STD05_021012.D\data.ms

(26) Caprolactam

5.865min (-0.086) 4.74 ug/mL m

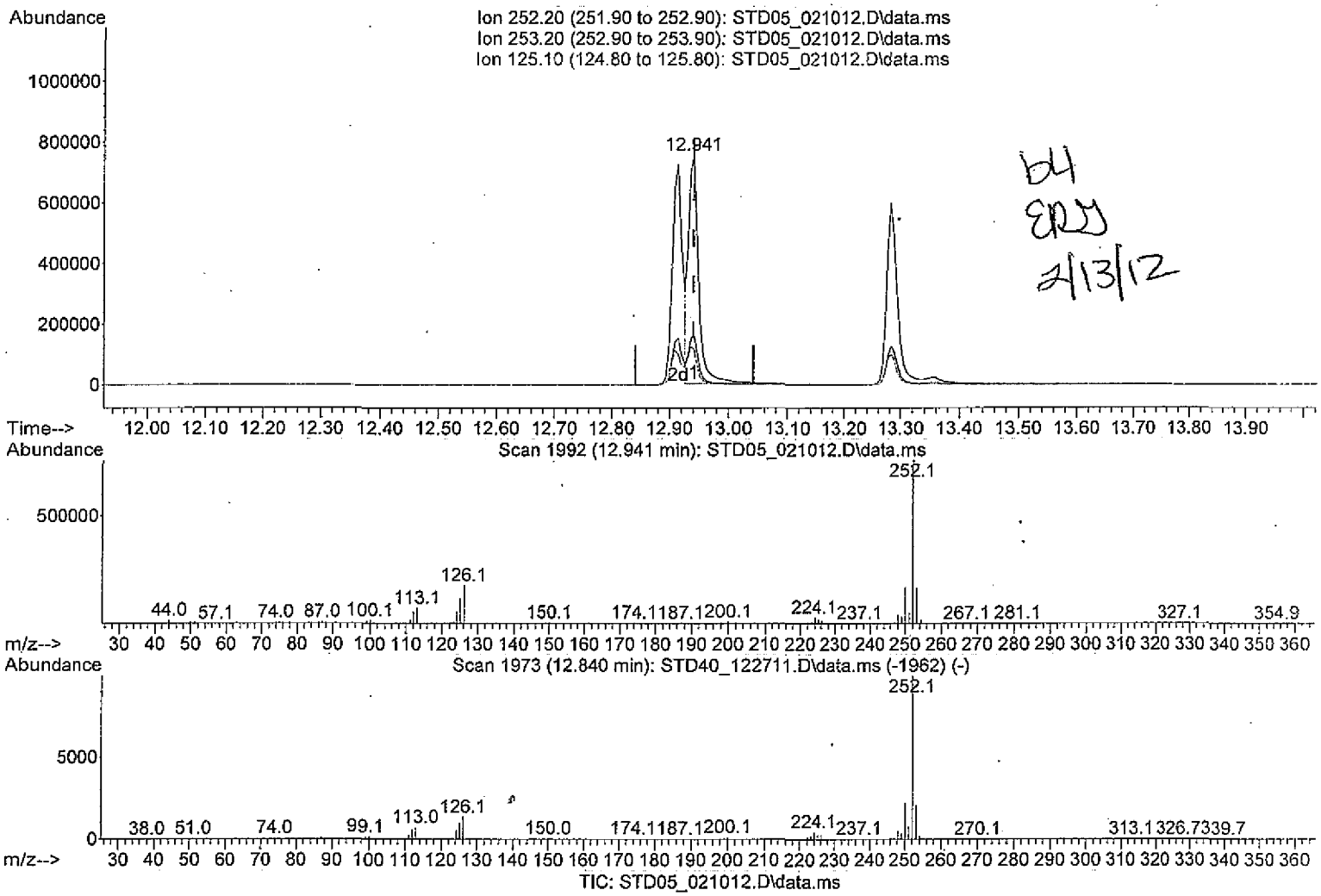
response 147961

Ion	Exp%	Act%
113.10	100	100
55.10	154.30	9.95#
56.10	117.30	0.00#
0.00	0.00	0.00

✓ OK ICP 2/15/12

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration



BH
ERY
2/13/12

(75) Benzo(b)fluoranthene

12.941min (+0.000) 4.79 ug/mL

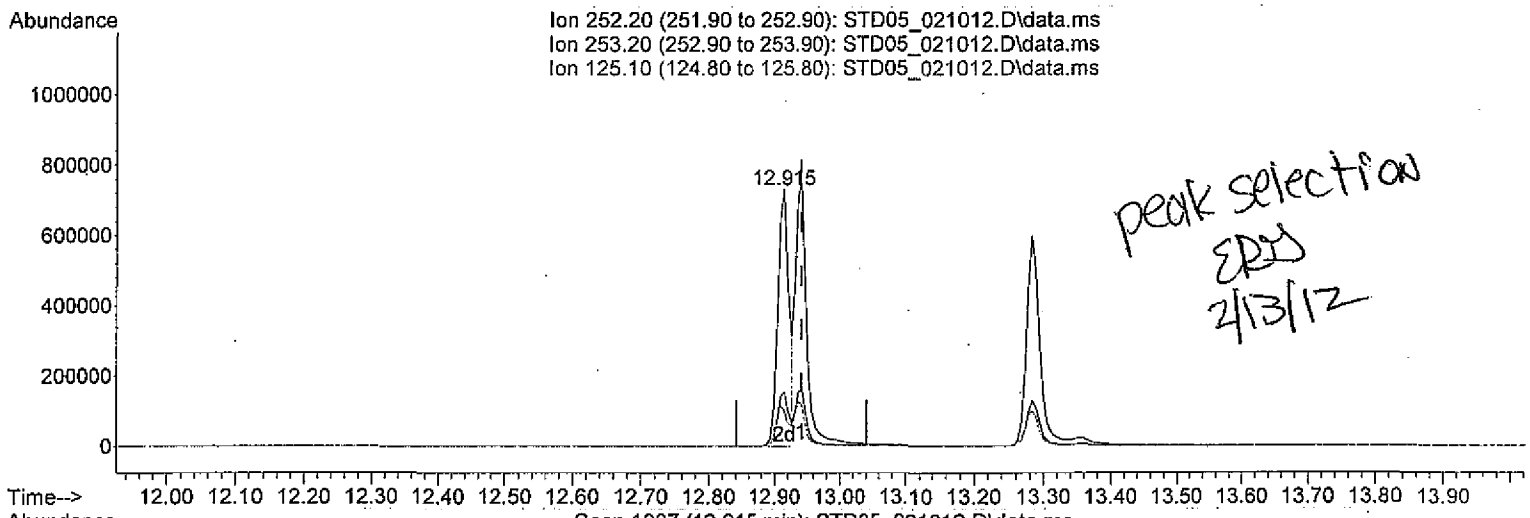
response 910874

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	21.71
125.10	14.70	16.22
0.00	0.00	0.00

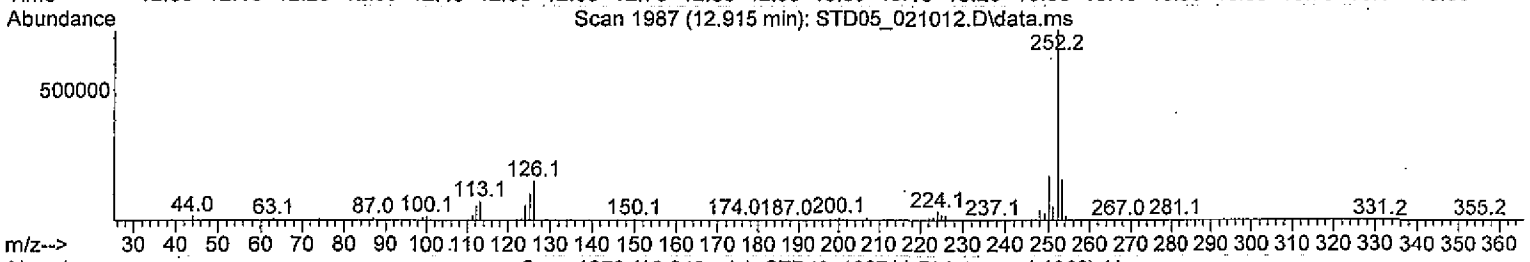
✓
OK
KP
2/13/12

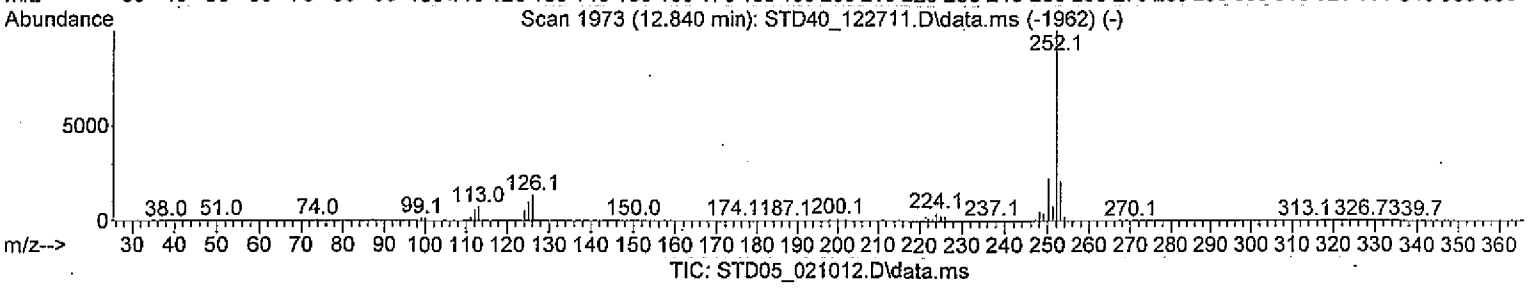
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration



peak selection
EDS
2/13/12





(75) Benzo(b)fluoranthene

12.915min (-0.027) 4.51 ug/mL m

response 856178

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	23.10
125.10	14.70	17.26
0.00	0.00	0.00

OK
KJ
2/13/12

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1451279	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	5747491	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.304	164	2972968	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	4718473	20.000	ug/mL	-0.01
65) Chrysene-d12	11.716	240	4007460	20.000	ug/mL	-0.01
73) Perylene-d12	13.358	264	3282873	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8748282	100.124	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 100.12%			
5) Phenol-d6	3.940	99	10132020	104.256	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 104.26%			
16) Nitrobenzene-d5	4.790	82	4836870	49.718	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.44%			
34) 2-Fluorobiphenyl	6.592	172	8365654	49.735	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 99.46%			
55) 2,4,6-Tribromophenol	8.149	330	1792067	102.222	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 102.22%			
67) Terphenyl-d14	10.577	244	7446063	48.588	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 97.18%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	744140	10.838	ug/mL	91
4) Benzaldehyde	3.902	77	904866	11.291	ug/mL	96
6) Phenol	3.950	94	1169923	10.651	ug/mL#	64
7) Bis(2-chloroethyl)ether	4.036	93	1182132	11.056	ug/mL	98
8) 2-Chlorophenol	4.095	128	1116049	10.691	ug/mL	96
9) 2-Methylphenol	4.469	108	1029171	10.903	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.517	45	2451992	11.393	ug/mL#	90
11) Acetophenone	4.635	105	1479556	11.229	ug/mL	93
12) 4-Methylphenol	4.608	108	1068181	10.829	ug/mL	96
13) Hexachloroethane	4.715	117	474427	11.277	ug/mL	94
14) N-Nitroso-di-n-propyla...	4.656	70	799933	10.988	ug/mL#	85
17) Nitrobenzene	4.801	77	1120831	10.778	ug/mL	97
18) Isophorone	5.020	82	2081435	10.750	ug/mL	95
19) 2-Nitrophenol	5.106	139	526241	10.176	ug/mL#	87
20) 2,4-Dimethylphenol	5.122	107	1060321	11.100	ug/mL	87
21) Bis(2-chloroethoxy)met...	5.229	93	1340343	11.058	ug/mL	99
22) 2-4-Dichlorophenol	5.325	162	827898	10.634	ug/mL	97
23) Naphthalene	5.485	128	3290171	12.277	ug/mL	99
24) 4-Chloroaniline	5.549	127	1297542	10.953	ug/mL	97
25) Hexachlorobutadiene	5.662	225	449487	10.943	ug/mL	99
26) Caprolactam	5.876	113	314985	10.210	ug/mL#	76
27) 4-Chloro-3-methylphenol	6.036	107	856415	10.455	ug/mL	91
28) 2-Methylnaphthalene	6.186	142	2201106	11.670	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	335785	9.789	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.405	216	798529	10.793	ug/mL#	98
32) 2,4,6-Trichlorophenol	6.507	196	502961	10.198	ug/mL	94
33) 2,4,5-Trichlorophenol	6.544	196	521799	10.267	ug/mL	94
35) 2-Chloronaphthalene	6.699	162	1879546	11.732	ug/mL	98
36) 1,1-Biphenyl	6.683	154	2554696	12.446	ug/mL	99

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

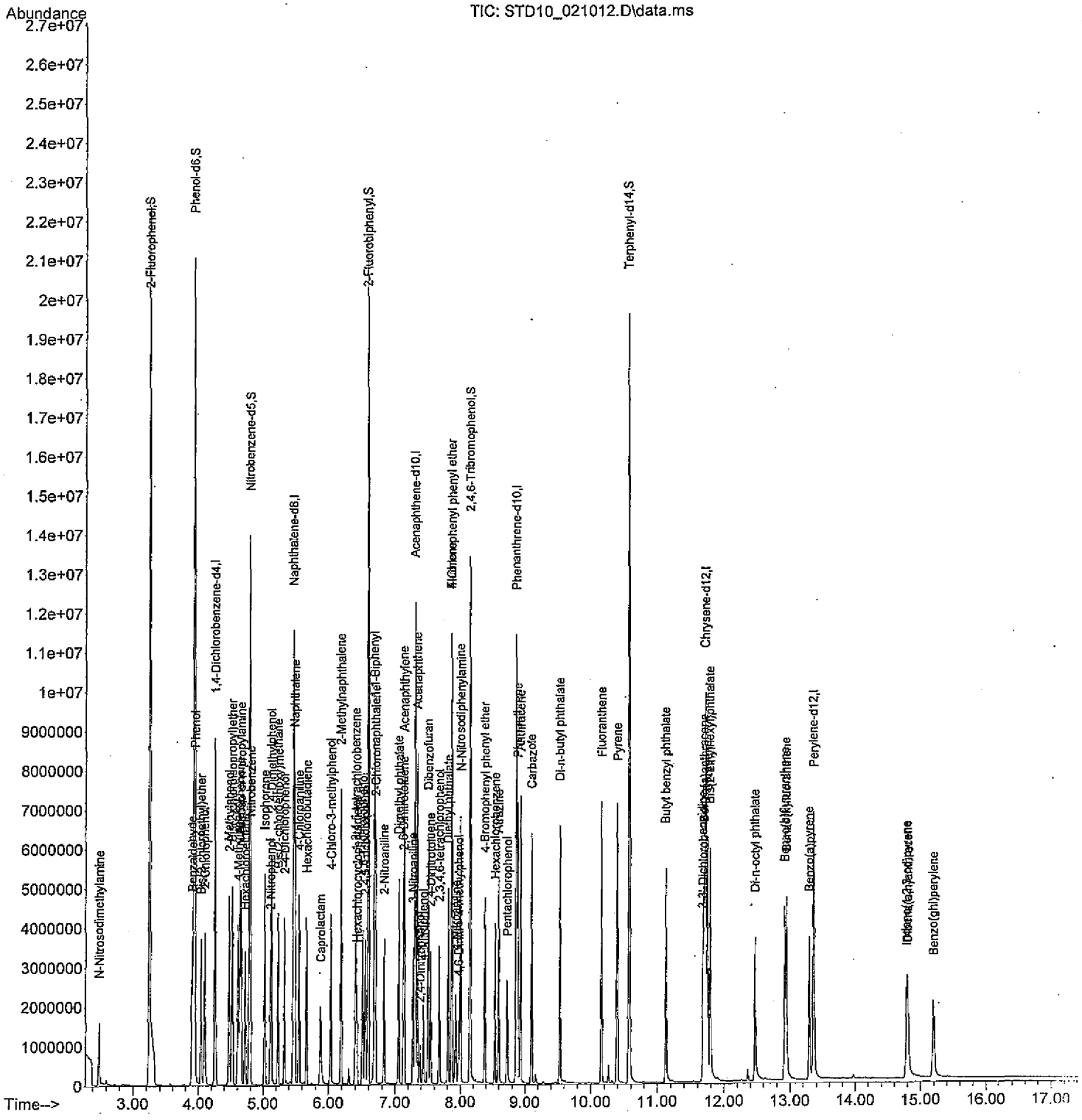
Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	2-Nitroaniline	6.833	65	597013	10.013	ug/mL	90
38)	Acenaphthylene	7.138	152	3018260	12.125	ug/mL	99
39)	Dimethyl phthalate	7.058	163	2064565	10.512	ug/mL	99
40)	2,6-Dinitrotoluene	7.127	165	432218	11.469	ug/mL	89
41)	3-Nitroaniline	7.272	138	534347	10.182	ug/mL	87
42)	Acenaphthene	7.336	153	1998546	11.541	ug/mL	97
43)	2,4-Dinitrophenol	7.379	184	114539	6.147	ug/mL#	1
44)	Dibenzofuran	7.502	168	2591408	11.385	ug/mL	94
45)	4-Nitrophenol	7.427	109	179942	8.429	ug/mL	83
46)	2,4-Dinitrotoluene	7.539	165	584734	9.581	ug/mL	98
47)	2,3,4,6-tetrachlorophenol	7.673	232	369369	9.865	ug/mL#	92
48)	Fluorene	7.865	166	1961708	12.049	ug/mL	99
49)	Diethyl phthalate	7.807	149	1901122	10.309	ug/mL	99
50)	4-Chlorophenyl phenyl ...	7.865	204	878963	11.638	ug/mL	94
51)	4-Nitroaniline	7.924	138	429952	9.705	ug/mL	95
53)	4,6-Dinitro-2-methylph...	7.967	198	214711	8.550	ug/mL#	81
54)	N-Nitrosodiphenylamine	7.999	169	1711890	11.713	ug/mL	97
56)	4-Bromophenyl phenyl e...	8.379	248	466003	10.906	ug/mL	99
57)	Hexachlorobenzene	8.539	284	489656	10.657	ug/mL	97
58)	Atrazine	8.593	200	530955	10.763	ug/mL	97
59)	Pentachlorophenol	8.721	266	263119	9.325	ug/mL	99
60)	Phenanthrene	8.882	178	2883090	11.740	ug/mL	98
61)	Anthracene	8.930	178	2950484	11.837	ug/mL	98
62)	Carbazole	9.101	167	2591577	11.343	ug/mL	100
63)	Di-n-butyl phthalate	9.529	149	3326585	12.426	ug/mL	98
64)	Fluoranthene	10.155	202	2988151	11.619	ug/mL	99
66)	Pyrene	10.395	202	3139726	11.145	ug/mL	99
68)	Butyl benzyl phthalate	11.123	149	1197466	10.284	ug/mL	99
69)	Benzo(a)anthracene	11.695	228	2303232	10.551	ug/mL	100
70)	3,3'-Dichlorobenzidine	11.674	252	632745	10.235	ug/mL	98
71)	Chrysene	11.743	228	2246167	10.631	ug/mL	98
72)	Bis(2-ethylhexyl)phtha...	11.781	149	1536220	10.207	ug/mL	100
74)	Di-n-octyl phthalate	12.471	149	2218107	9.656	ug/mL	100
75)	Benzo(b)fluoranthene	12.915	252	1977184m	10.118	ug/mL	
76)	Benzo(k)fluoranthene	12.941	252	1930760	10.347	ug/mL	97
77)	Benzo(a)pyrene	13.289	252	1749612	9.762	ug/mL	99
78)	Indeno(1,2,3-cd)pyrene	14.787	276	1572618	10.650	ug/mL#	80
79)	Dibenz(a,h)anthracene	14.808	278	1251424	10.492	ug/mL	98
80)	Benzo(ghi)perylene	15.193	276	1366808	11.134	ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

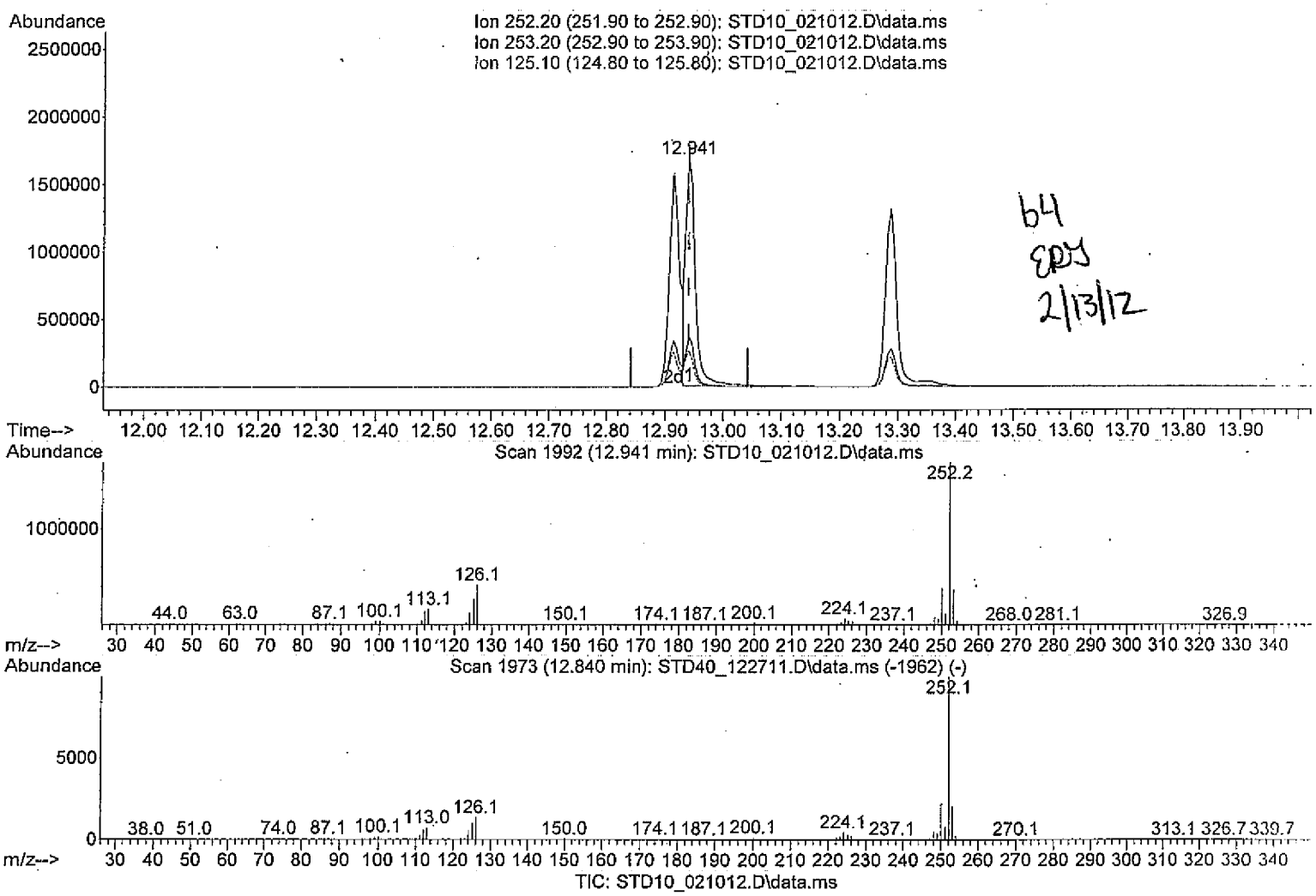
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:17:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



b4
EPJ
2/13/12

(75) Benzo(b)fluoranthene

12.941min (-0.000) 9.69 ug/mL

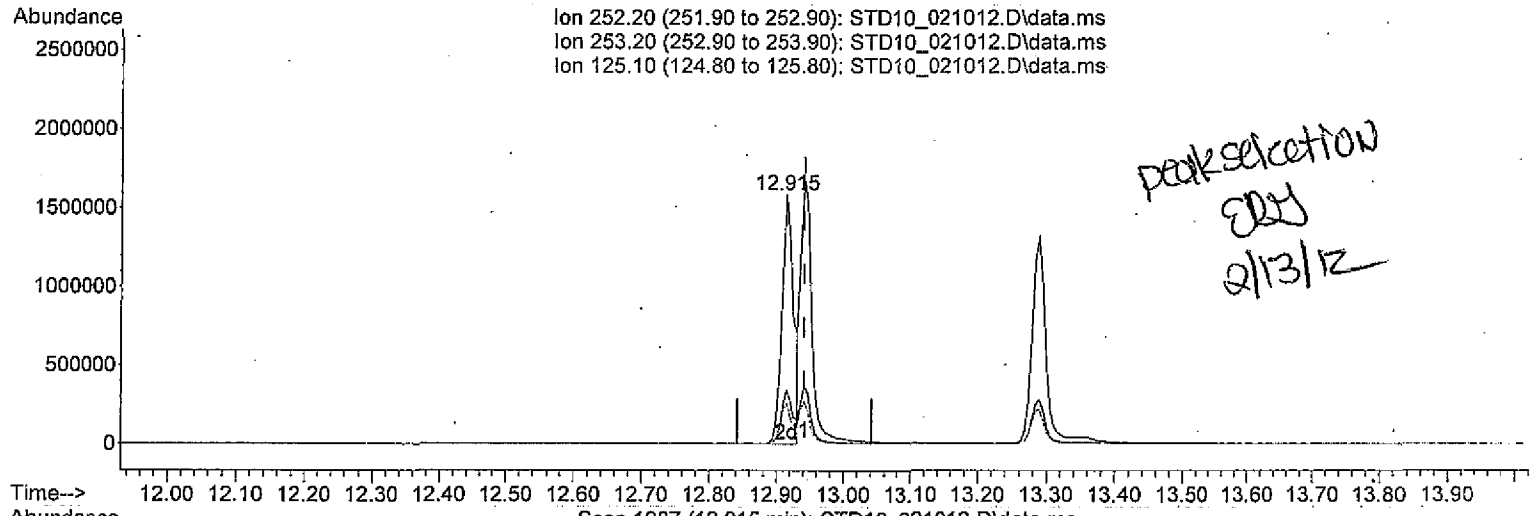
response 1893623

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	21.30
125.10	14.70	17.13
0.00	0.00	0.00

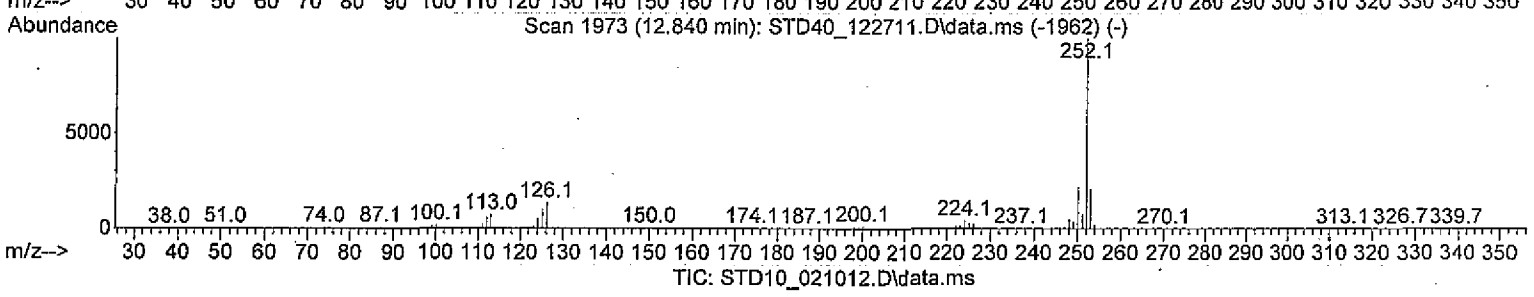
OK
LLP
2/13/12

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:17:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



peak selection
EDY
2/13/12



TIC: STD10_021012.D\data.ms

(75) Benzo(b)fluoranthene

12.915min (-0.027) 10.12 ug/mL m

response 1977184

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.40
125.10	14.70	16.41
0.00	0.00	0.00

✓
ok
KP
2/13/12

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	1523258	20.000 ug/mL	0.00
15) Naphthalene-d8	5.469	136	6005137	20.000 ug/mL	0.00
29) Acenaphthene-d10	7.304	164	3180358	20.000 ug/mL	0.00
52) Phenanthrene-d10	8.866	188	5142736	20.000 ug/mL	0.00
65) Chrysene-d12	11.722	240	4330461	20.000 ug/mL	0.00
73) Perylene-d12	13.364	264	3590016	20.000 ug/mL	0.00
System Monitoring Compounds					
3) 2-Fluorophenol	3.244	112	9206511	100.390 ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 100.39%		
5) Phenol-d6	3.940	99	10460484	102.550 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 102.55%		
16) Nitrobenzene-d5	4.790	82	5131498	50.483 ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.96%		
34) 2-Fluorobiphenyl	6.598	172	8577591	47.669 ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 95.34%		
55) 2,4,6-Tribromophenol	8.154	330	1999827	104.662 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 104.66%		
67) Terphenyl-d14	10.577	244	8100826	48.917 ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 97.84%		
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.495	74	1539783	21.367 ug/mL	89
4) Benzaldehyde	3.902	77	1841279	21.890 ug/mL	96
6) Phenol	3.950	94	2337538	20.276 ug/mL#	84
7) Bis(2-chloroethyl)ether	4.041	93	2377220	21.183 ug/mL	97
8) 2-Chlorophenol	4.095	128	2287963	20.881 ug/mL	96
9) 2-Methylphenol	4.474	108	2098631	21.182 ug/mL	99
10) Bis(2-chloroisopropyl)...	4.523	45	4848379	21.464 ug/mL#	90
11) Acetophenone	4.640	105	2969171	21.470 ug/mL#	78
12) 4-Methylphenol	4.613	108	2213893	21.384 ug/mL	97
13) Hexachloroethane	4.720	117	937555	21.232 ug/mL	96
14) N-Nitroso-di-n-propyla...	4.662	70	1592033	20.835 ug/mL#	85
17) Nitrobenzene	4.806	77	2260917	20.808 ug/mL	98
18) Isophorone	5.025	82	4158603	20.557 ug/mL	95
19) 2-Nitrophenol	5.106	139	1151287	21.307 ug/mL	88
20) 2,4-Dimethylphenol	5.122	107	2088512	20.926 ug/mL	87
21) Bis(2-chloroethoxy)met...	5.229	93	2660503	21.008 ug/mL	98
22) 2-4-Dichlorophenol	5.330	162	1729297	21.260 ug/mL	98
23) Naphthalene	5.491	128	6366431	22.736 ug/mL	99
24) 4-Chloroaniline	5.555	127	2625653	21.214 ug/mL	98
25) Hexachlorobutadiene	5.667	225	895573	20.869 ug/mL	99
26) Caprolactam	5.897	113	726831	22.549 ug/mL#	77
27) 4-Chloro-3-methylphenol	6.042	107	1803194	21.069 ug/mL	91
28) 2-Methylnaphthalene	6.191	142	4262464	21.630 ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	760174	20.716 ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.405	216	1602629	20.248 ug/mL	98
32) 2,4,6-Trichlorophenol	6.507	196	1083770	20.541 ug/mL	93
33) 2,4,5-Trichlorophenol	6.550	196	1118130	20.565 ug/mL	94
35) 2-Chloronaphthalene	6.699	162	3647862	21.285 ug/mL	98
36) 1,1-Biphenyl	6.683	154	4757389	21.666 ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration

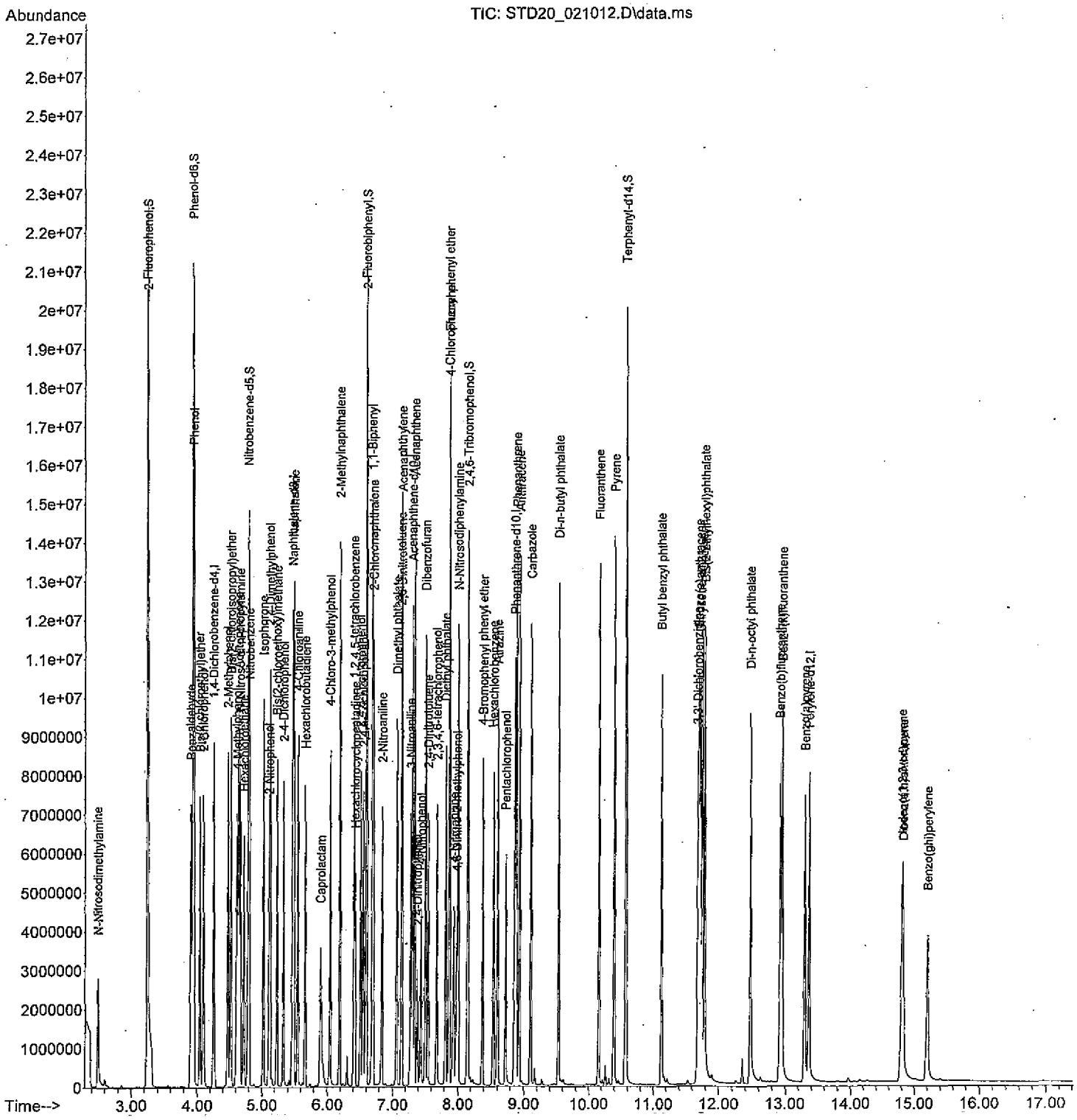
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 2-Nitroaniline	6.838	65	1279016	20.052	ug/mL	91
38) Acenaphthylene	7.143	152	5739692	21.554	ug/mL	98
39) Dimethyl phthalate	7.063	163	4280569	20.374	ug/mL	99
40) 2,6-Dinitrotoluene	7.133	165	885459	21.963	ug/mL#	86
41) 3-Nitroaniline	7.277	138	1171988	20.875	ug/mL	87
42) Acenaphthene	7.341	153	3858846	20.830	ug/mL	96
43) 2,4-Dinitrophenol	7.379	184	365407	18.331	ug/mL	99
44) Dibenzofuran	7.507	168	5058490	20.774	ug/mL	94
45) 4-Nitrophenol	7.438	109	460505	20.164	ug/mL	85
46) 2,4-Dinitrotoluene	7.545	165	1306260	20.008	ug/mL	96
47) 2,3,4,6-tetrachlorophenol	7.678	232	813401	20.307	ug/mL#	93
48) Fluorene	7.871	166	3679283	21.125	ug/mL	100
49) Diethyl phthalate	7.812	149	4084038	20.702	ug/mL	100
50) 4-Chlorophenyl phenyl ...	7.865	204	1686427	20.873	ug/mL	95
51) 4-Nitroaniline	7.935	138	1004797	21.201	ug/mL	94
53) 4,6-Dinitro-2-methylph...	7.978	198	608764	22.241	ug/mL#	13
54) N-Nitrosodiphenylamine	8.004	169	3481894	21.858	ug/mL	97
56) 4-Bromophenyl phenyl e...	8.384	248	971242	20.855	ug/mL	96
57) Hexachlorobenzene	8.539	284	1029629	20.561	ug/mL	99
58) Atrazine	8.604	200	1137368	21.154	ug/mL	97
59) Pentachlorophenol	8.727	266	643418	20.922	ug/mL	99
60) Phenanthrene	8.887	178	5814626	21.724	ug/mL	98
61) Anthracene	8.935	178	6115249	22.510	ug/mL	98
62) Carbazole	9.106	167	5479633	22.006	ug/mL	99
63) Di-n-butyl phthalate	9.534	149	6966538	23.876	ug/mL	98
64) Fluoranthene	10.160	202	6258175	22.326	ug/mL	97
66) Pyrene	10.395	202	6471282	21.257	ug/mL	98
68) Butyl benzyl phthalate	11.123	149	2631292	20.913	ug/mL	99
69) Benzo(a)anthracene	11.695	228	4943659	20.957	ug/mL	99
70) 3,3'-Dichlorobenzidine	11.679	252	1459682	21.849	ug/mL	99
71) Chrysene	11.749	228	4743549	20.776	ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.786	149	3460408	21.277	ug/mL	98
74) Di-n-octyl phthalate	12.471	149	5354515	21.316	ug/mL	100
75) Benzo(b)fluoranthene	12.920	252	4262403m	19.947	ug/mL	
76) Benzo(k)fluoranthene	12.952	252	4325240	21.196	ug/mL	98
77) Benzo(a)pyrene	13.294	252	4103463	20.937	ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.803	276	3379953	20.932	ug/mL#	80
79) Dibenz(a,h)anthracene	14.819	278	2716796	20.830	ug/mL	98
80) Benzo(ghi)perylene	15.209	276	2832401	21.099	ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

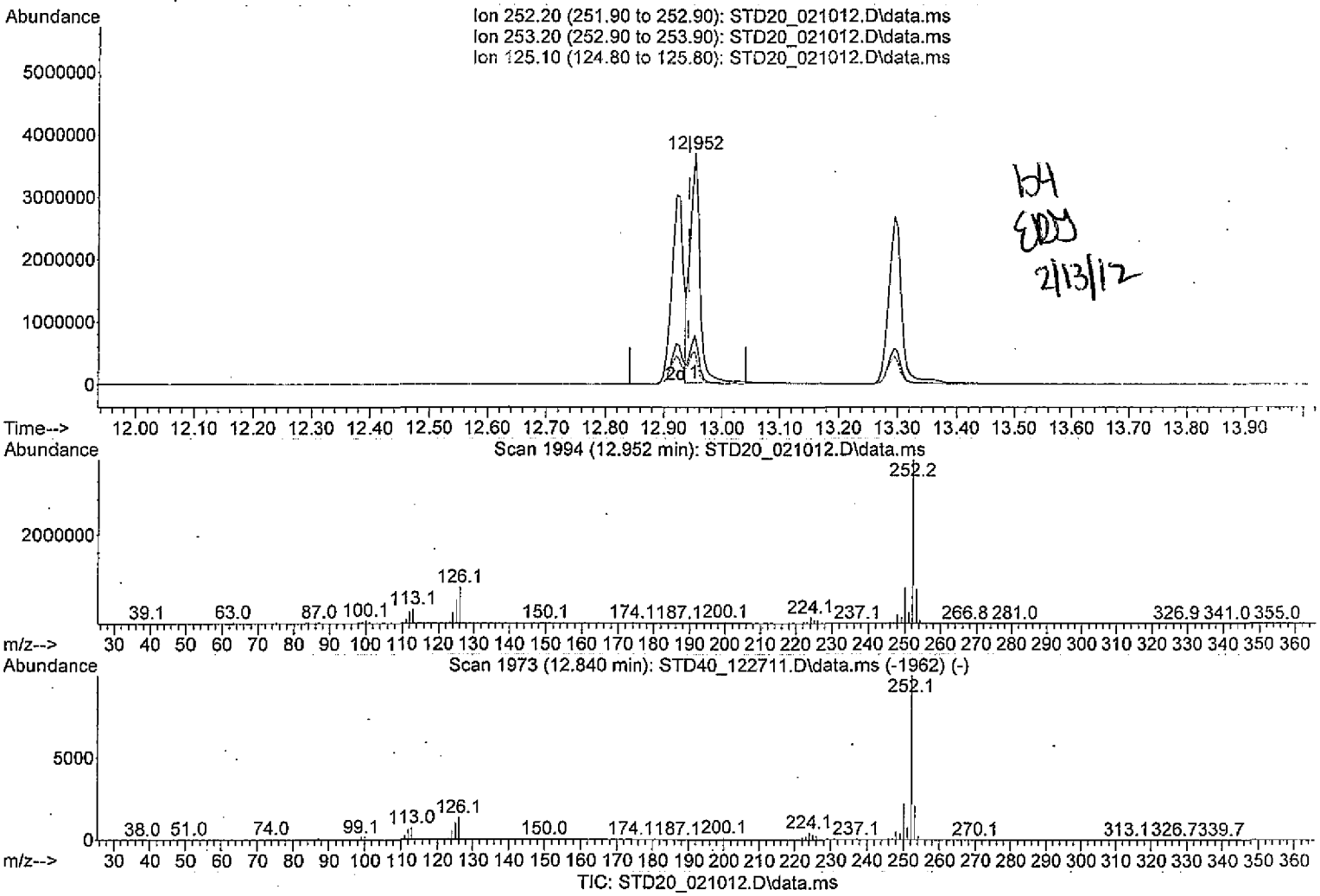
Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:20:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



bH
EDD
2/13/12

(75) Benzo(b)fluoranthene

12.952min (+0.011) 19.85 ug/mL

response 4242101

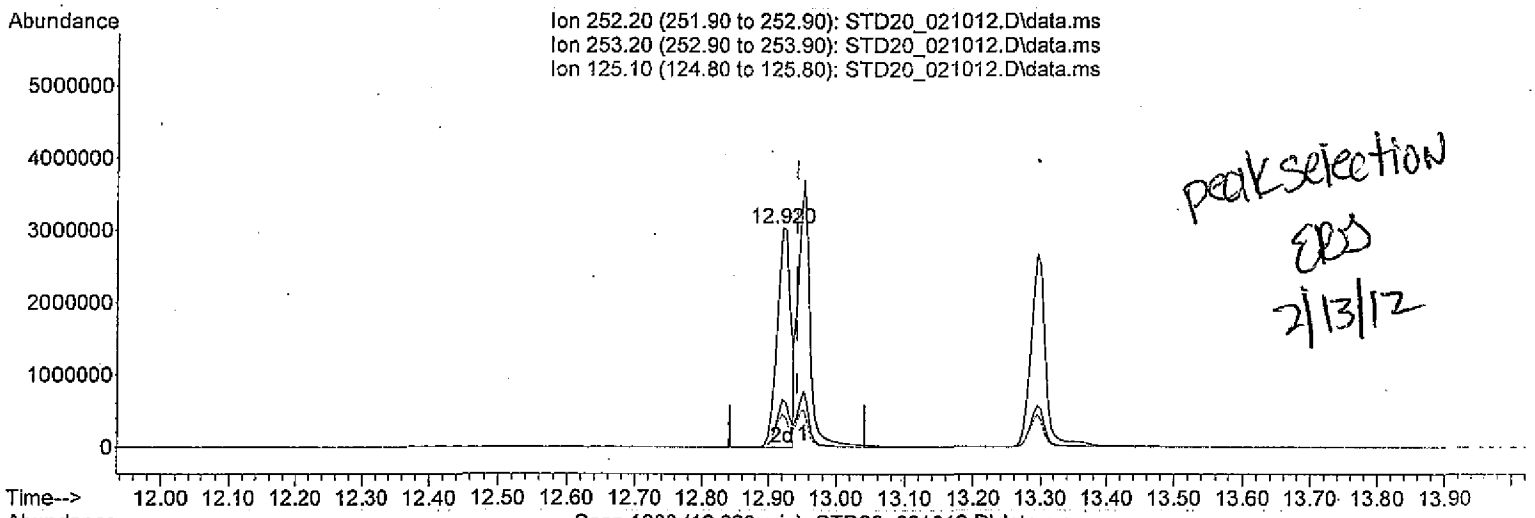
Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.90
125.10	14.70	14.55
0.00	0.00	0.00

✓
OK
KS
2/13/12

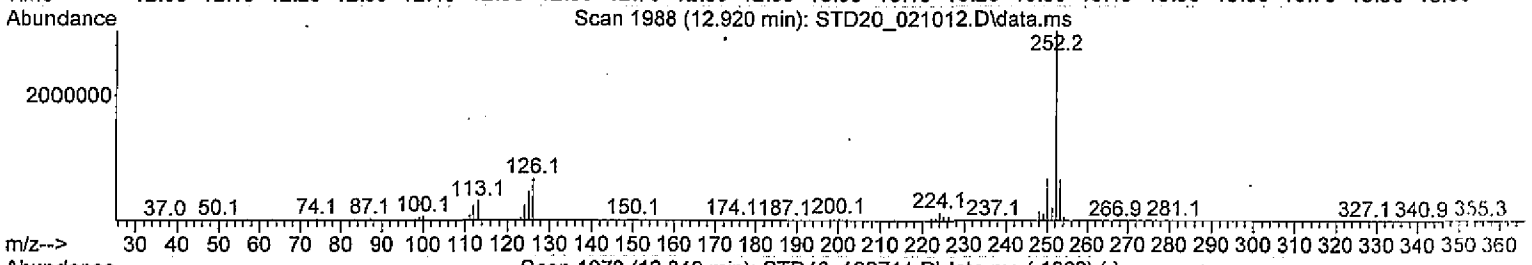
Quantitation Report (Qedit)

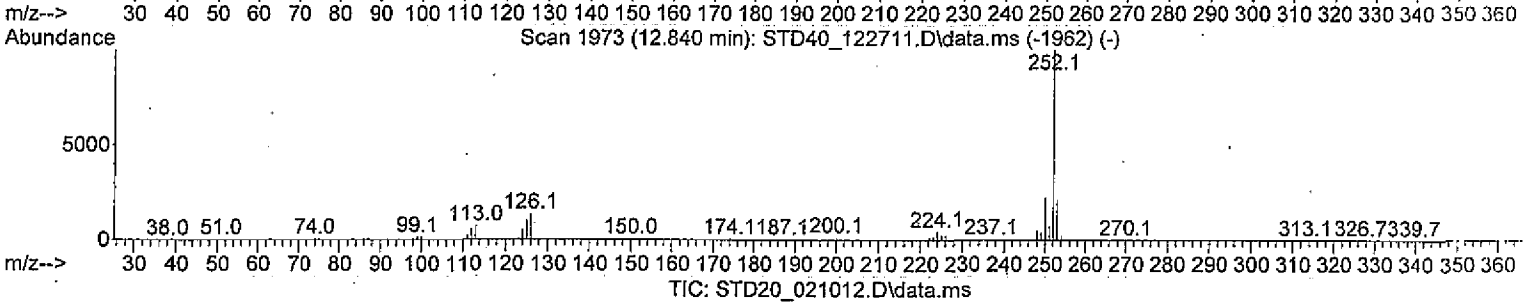
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:20:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



peak selection
EBS
2/13/12





TIC: STD20_021012.D\data.ms

(75) Benzo(b)fluoranthene

12.920min (-0.021) 19.95 ug/mL m

response 4262403

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.80
125.10	14.70	14.48
0.00	0.00	0.00

✓
ok
ICP
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1413607	20.000	ug/mL	0.00
15) Naphthalene-d8	5.469	136	5563705	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2899538	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.866	188	4870908	20.000	ug/mL	0.00
65) Chrysene-d12	11.722	240	3891224	20.000	ug/mL	0.00
73) Perylene-d12	13.364	264	3222824	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8449357	99.280	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 99.28%			
5) Phenol-d6	3.940	99	9383811	99.130	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 99.13%			
16) Nitrobenzene-d5	4.790	82	4719654	50.115	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.24%			
34) 2-Fluorobiphenyl	6.598	172	8044135	49.034	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 98.06%			
55) 2,4,6-Tribromophenol	8.154	330	1806915	99.843	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 99.84%			
67) Terphenyl-d14	10.577	244	7425936	49.904	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 99.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	2676405	40.021	ug/mL#	87
4) Benzaldehyde	3.902	77	3111880	39.866	ug/mL	95
6) Phenol	3.956	94	4193237	39.194	ug/mL	93
7) Bis(2-chloroethyl)ether	4.041	93	4022224	38.621	ug/mL	97
8) 2-Chlorophenol	4.095	128	3993321	39.272	ug/mL	96
9) 2-Methylphenol	4.480	108	3615854	39.327	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.523	45	8092505	38.605	ug/mL#	90
11) Acetophenone	4.646	105	4975638	38.770	ug/mL#	76
12) 4-Methylphenol	4.624	108	3824303	39.803	ug/mL	95
13) Hexachloroethane	4.721	117	1581775	38.599	ug/mL	99
14) N-Nitroso-di-n-propyla...	4.672	70	2747747	38.748	ug/mL#	86
17) Nitrobenzene	4.811	77	3855182	38.296	ug/mL	97
18) Isophorone	5.031	82	7246455	38.664	ug/mL	96
19) 2-Nitrophenol	5.111	139	2083454	41.618	ug/mL	90
20) 2,4-Dimethylphenol	5.132	107	3551915	38.411	ug/mL	89
21) Bis(2-chloroethoxy)met...	5.234	93	4551301	38.790	ug/mL	99
22) 2-4-Dichlorophenol	5.336	162	2979978	39.542	ug/mL	98
23) Naphthalene	5.491	128	9612754	37.054	ug/mL	99
24) 4-Chloroaniline	5.560	127	4472914	39.006	ug/mL	97
25) Hexachlorobutadiene	5.667	225	1535926	38.630	ug/mL	100
26) Caprolactam	5.924	113	1165007	39.011	ug/mL#	77
27) 4-Chloro-3-methylphenol	6.052	107	3161749	39.874	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	6816826	37.337	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	1398230	41.795	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.411	216	2736435	37.921	ug/mL	98
32) 2,4,6-Trichlorophenol	6.512	196	1923968	39.996	ug/mL	93
33) 2,4,5-Trichlorophenol	6.555	196	1978239	39.908	ug/mL	95
35) 2-Chloronaphthalene	6.705	162	5740538	36.740	ug/mL	98
36) 1,1-Biphenyl	6.689	154	7220603	36.069	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration

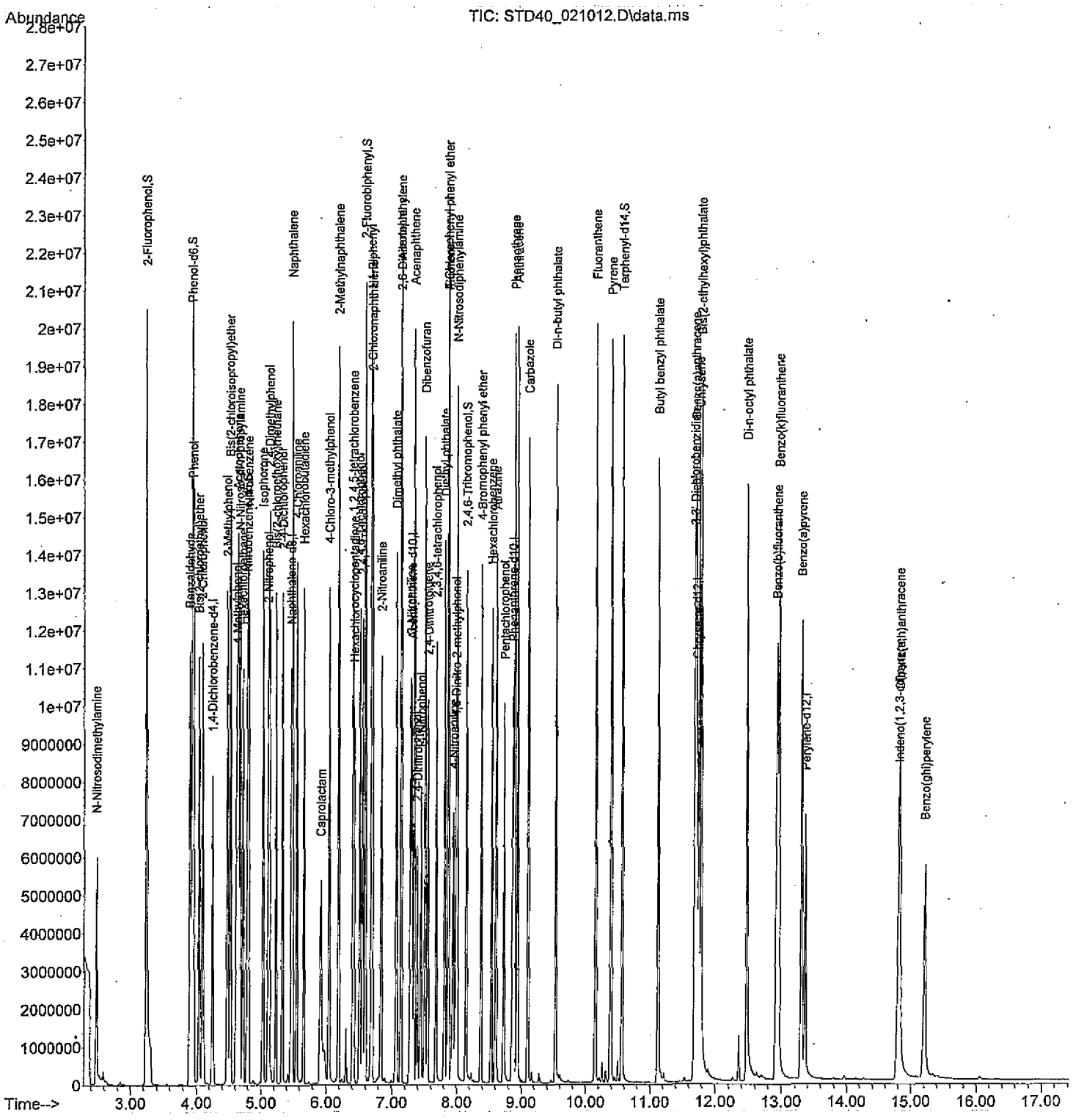
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37)	2-Nitroaniline	6.844	65	2348221	40.380 ug/mL	91
38)	Acenaphthylene	7.149	152	8815840	36.312 ug/mL	98
39)	Dimethyl phthalate	7.069	163	7544016	39.385 ug/mL	99
40)	2,6-Dinitrotoluene	7.143	165	1405918	38.250 ug/mL#	86
41)	3-Nitroaniline	7.288	138	2101334	41.053 ug/mL	85
42)	Acenaphthene	7.347	153	6233986	36.910 ug/mL	97
43)	2,4-Dinitrophenol	7.389	184	855029	47.048 ug/mL	100
44)	Dibenzofuran	7.513	168	8542636	38.480 ug/mL	94
45)	4-Nitrophenol	7.448	109	903064	43.372 ug/mL	85
46)	2,4-Dinitrotoluene	7.555	165	2467121	41.449 ug/mL	95
47)	2,3,4,6-tetrachlorophenol	7.684	232	1483076	40.611 ug/mL#	94
48)	Fluorene	7.876	166	5663681	35.668 ug/mL	100
49)	Diethyl phthalate	7.817	149	7137513	39.684 ug/mL	99
50)	4-Chlorophenyl phenyl ...	7.871	204	2694281	36.578 ug/mL	98
51)	4-Nitroaniline	7.946	138	1811740	41.930 ug/mL	93
53)	4,6-Dinitro-2-methylph...	7.989	198	1265992	48.834 ug/mL#	38
54)	N-Nitrosodiphenylamine	8.010	169	5703248	37.800 ug/mL	97
56)	4-Bromophenyl phenyl e...	8.384	248	1691267	38.342 ug/mL	94
57)	Hexachlorobenzene	8.545	284	1804837	38.052 ug/mL	97
58)	Atrazine	8.614	200	2028535	39.835 ug/mL	97
59)	Pentachlorophenol	8.732	266	1249074	42.883 ug/mL	99
60)	Phenanthrene	8.892	178	9699901	38.262 ug/mL	98
61)	Anthracene	8.941	178	9990850	38.829 ug/mL	99
62)	Carbazole	9.112	167	9381361	39.777 ug/mL	99
63)	Di-n-butyl phthalate	9.534	149	10249822	37.088 ug/mL	99
64)	Fluoranthene	10.165	202	10511671	39.593 ug/mL	95
66)	Pyrene	10.401	202	10811408	39.523 ug/mL	95
68)	Butyl benzyl phthalate	11.128	149	4573171	40.449 ug/mL	98
69)	Benzo(a)anthracene	11.701	228	8282524	39.074 ug/mL	99
70)	3,3'-Dichlorobenzidine	11.684	252	2489113	41.464 ug/mL	98
71)	Chrysene	11.759	228	8216079	40.048 ug/mL	97
72)	Bis(2-ethylhexyl)phtha...	11.786	149	5986102	40.962 ug/mL	98
74)	Di-n-octyl phthalate	12.476	149	9716370	43.088 ug/mL	100
75)	Benzo(b)fluoranthene	12.931	252	8161485	41.826 ug/mL	99
76)	Benzo(k)fluoranthene	12.963	252	7107501	38.800 ug/mL	97
77)	Benzo(a)pyrene	13.305	252	7250304	41.207 ug/mL	97
78)	Indeno(1,2,3-cd)pyrene	14.813	276	5663243	39.068 ug/mL#	81
79)	Dibenz(a,h)anthracene	14.829	278	4622330	39.477 ug/mL	98
80)	Benzo(ghi)perylene	15.220	276	4539541	37.669 ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1383291	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	5416333	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2769463	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4831900	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	3659974	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2970562	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	7966922	95.663	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 95.66%			
5) Phenol-d6	3.945	99	8486154	91.612	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 91.61%			
16) Nitrobenzene-d5	4.795	82	4566617	49.810	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.62%			
34) 2-Fluorobiphenyl	6.598	172	7888947	50.347	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 100.70%			
55) 2,4,6-Tribromophenol	8.160	330	1661173	92.531	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 92.53%			
67) Terphenyl-d14	10.577	244	6996657	49.990	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 99.98%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	3451077	52.735	ug/mL	94
4) Benzaldehyde	3.902	77	3851672	50.425	ug/mL	95
6) Phenol	3.956	94	5946416	56.799	ug/mL	96
7) Bis(2-chloroethyl)ether	4.047	93	5424799	53.230	ug/mL	97
8) 2-Chlorophenol	4.100	128	5548326	55.760	ug/mL	96
9) 2-Methylphenol	4.480	108	4937923	54.883	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.528	45	10598659	51.668	ug/mL#	91
11) Acetophenone	4.651	105	6603107	52.578	ug/mL#	75
12) 4-Methylphenol	4.630	108	5148951	54.765	ug/mL	94
13) Hexachloroethane	4.720	117	2162373	53.924	ug/mL	99
14) N-Nitroso-di-n-propyla...	4.683	70	3773466	54.379	ug/mL#	87
17) Nitrobenzene	4.817	77	5380844	54.906	ug/mL	97
18) Isophorone	5.041	82	10147982	55.618	ug/mL	95
19) 2-Nitrophenol	5.116	139	2917829	59.871	ug/mL	90
20) 2,4-Dimethylphenol	5.138	107	4821006	53.554	ug/mL	90
21) Bis(2-chloroethoxy)met...	5.239	93	6153467	53.873	ug/mL	99
22) 2-4-Dichlorophenol	5.341	162	4111967	56.047	ug/mL	97
23) Naphthalene	5.491	128	11557133	45.761	ug/mL	97
24) 4-Chloroaniline	5.560	127	6061377	54.296	ug/mL	97
25) Hexachlorobutadiene	5.667	225	2117887	54.716	ug/mL	99
26) Caprolactam	5.951	113	1659610	57.085	ug/mL#	78
27) 4-Chloro-3-methylphenol	6.063	107	4395978	56.948	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	8831415	49.687	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	1978426	61.916	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.411	216	3728545	54.097	ug/mL	98
32) 2,4,6-Trichlorophenol	6.518	196	2676429	58.252	ug/mL	93
33) 2,4,5-Trichlorophenol	6.560	196	2748023	58.041	ug/mL	94
35) 2-Chloronaphthalene	6.710	162	7361382	49.326	ug/mL	99
36) 1,1-Biphenyl	6.694	154	8734921	45.683	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration

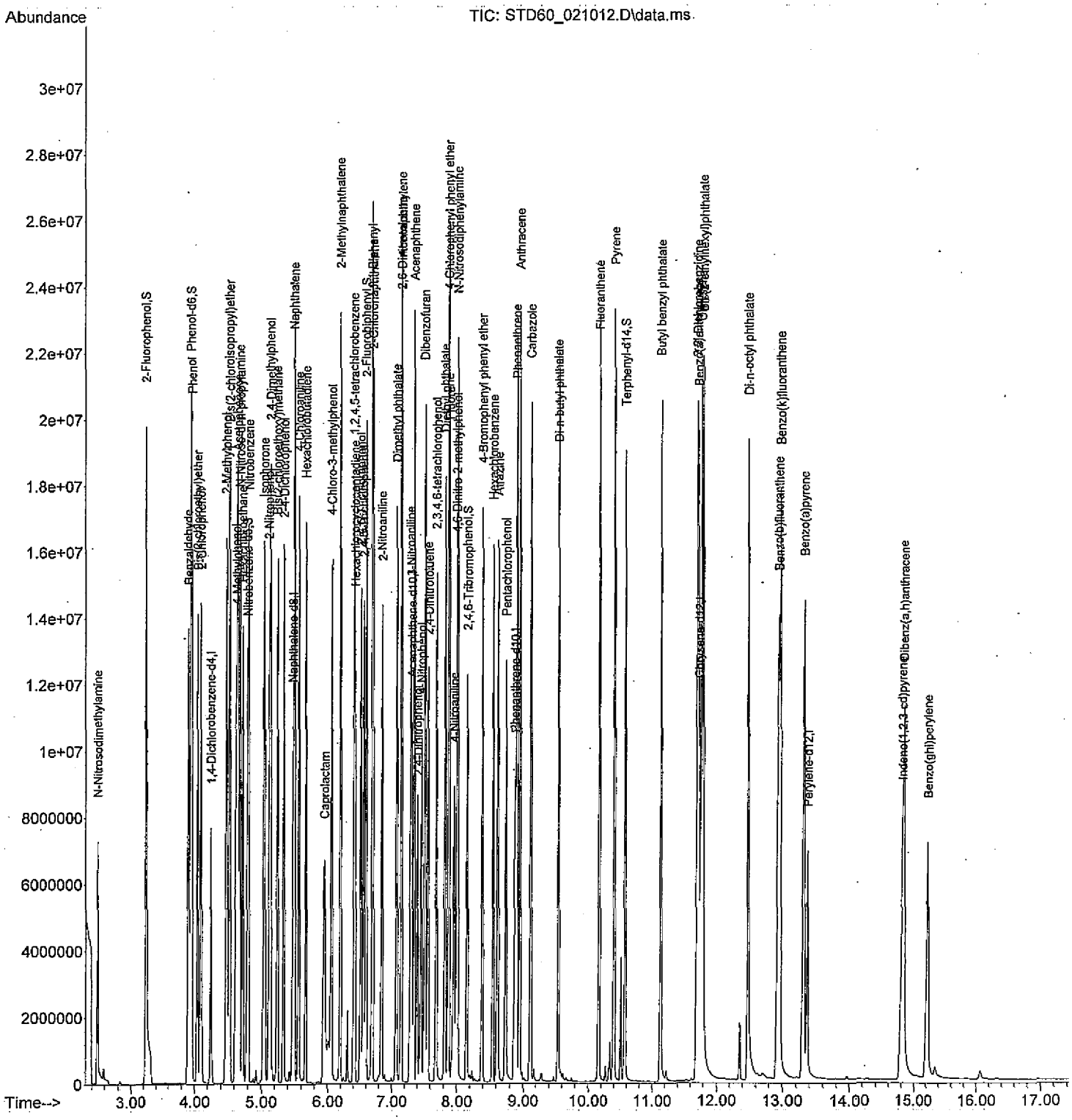
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 2-Nitroaniline	6.849	65	3309649	59.586	ug/mL	91
38) Acenaphthylene	7.154	152	11035462	47.589	ug/mL	98
39) Dimethyl phthalate	7.074	163	10306085	56.332	ug/mL	99
40) 2,6-Dinitrotoluene	7.149	165	1777857	50.641	ug/mL#	84
41) 3-Nitroaniline	7.293	138	2870461	58.714	ug/mL	85
42) Acenaphthene	7.352	153	8216953	50.936	ug/mL	96
43) 2,4-Dinitrophenol	7.400	184	1376460	79.298	ug/mL	96
44) Dibenzofuran	7.512	168	10891293	51.364	ug/mL	96
45) 4-Nitrophenol	7.459	109	1318294	66.288	ug/mL	85
46) 2,4-Dinitrotoluene	7.566	165	3534819	62.176	ug/mL	94
47) 2,3,4,6-tetrachlorophenol	7.689	232	2126442	60.963	ug/mL	96
48) Fluorene	7.887	166	7166624	47.253	ug/mL	100
49) Diethyl phthalate	7.823	149	9672297	56.303	ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.876	204	3458006	49.151	ug/mL	98
51) 4-Nitroaniline	7.956	138	2511405	60.853	ug/mL	92
53) 4,6-Dinitro-2-methylph...	7.999	198	1792714	69.710	ug/mL#	48
54) N-Nitrosodiphenylamine	8.015	169	7404531	49.472	ug/mL	97
56) 4-Bromophenyl phenyl e...	8.390	248	2367340	54.103	ug/mL	93
57) Hexachlorobenzene	8.550	284	2628172	55.858	ug/mL	93
58) Atrazine	8.625	200	2802560	55.479	ug/mL	98
59) Pentachlorophenol	8.737	266	1834829	63.502	ug/mL	99
60) Phenanthrene	8.892	178	12266419	48.776	ug/mL	100
61) Anthracene	8.946	178	12243175	47.967	ug/mL	98
62) Carbazole	9.117	167	12158011	51.966	ug/mL	100
63) Di-n-butyl phthalate	9.534	149	12299327	44.864	ug/mL	97
64) Fluoranthene	10.165	202	13241408	50.278	ug/mL	95
66) Pyrene	10.406	202	13338383	51.841	ug/mL	95
68) Butyl benzyl phthalate	11.133	149	6186854	58.180	ug/mL	98
69) Benzo(a)anthracene	11.711	228	11430646	57.333	ug/mL	98
70) 3,3'-Dichlorobenzidine	11.695	252	3293063	58.322	ug/mL	97
71) Chrysene	11.765	228	11141801	57.740	ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.791	149	7946535	57.812	ug/mL	98
74) Di-n-octyl phthalate	12.481	149	12838757	61.769	ug/mL	100
75) Benzo(b)fluoranthene	12.941	252	11322349	62.952	ug/mL	99
76) Benzo(k)fluoranthene	12.968	252	9856772m	58.377	ug/mL	
77) Benzo(a)pyrene	13.316	252	10024545	61.813	ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.813	276	7538553	56.422	ug/mL#	83
79) Dibenz(a,h)anthracene	14.840	278	6175871	57.224	ug/mL	97
80) Benzo(ghi)perylene	15.231	276	5997974	53.998	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

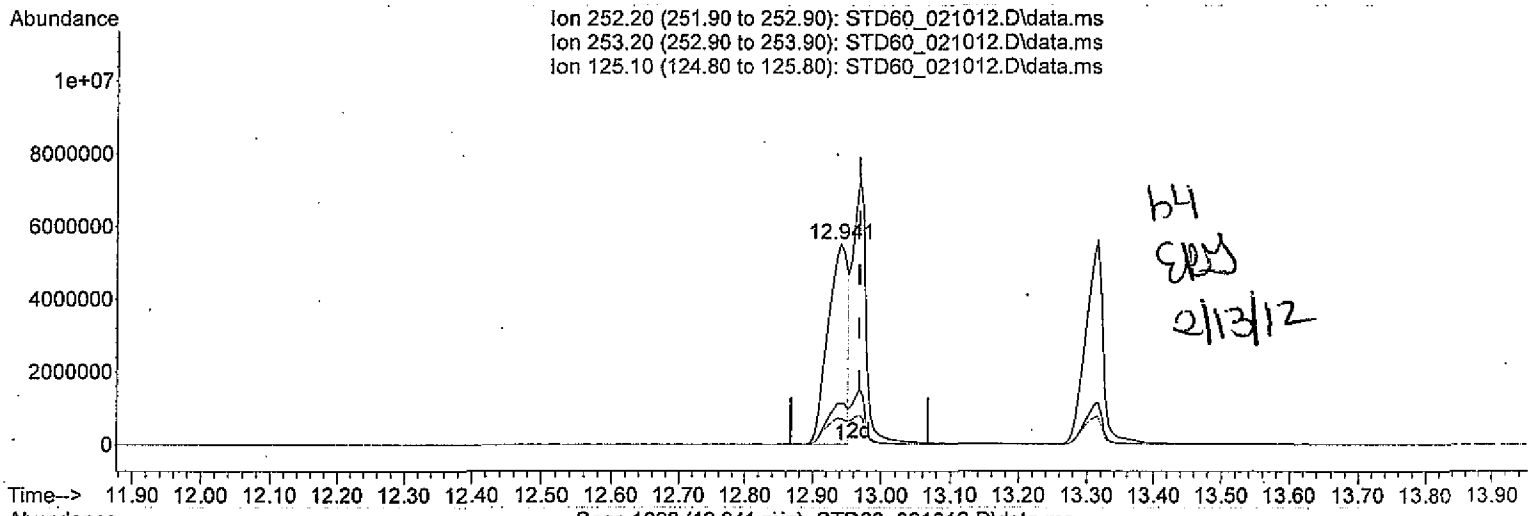
Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



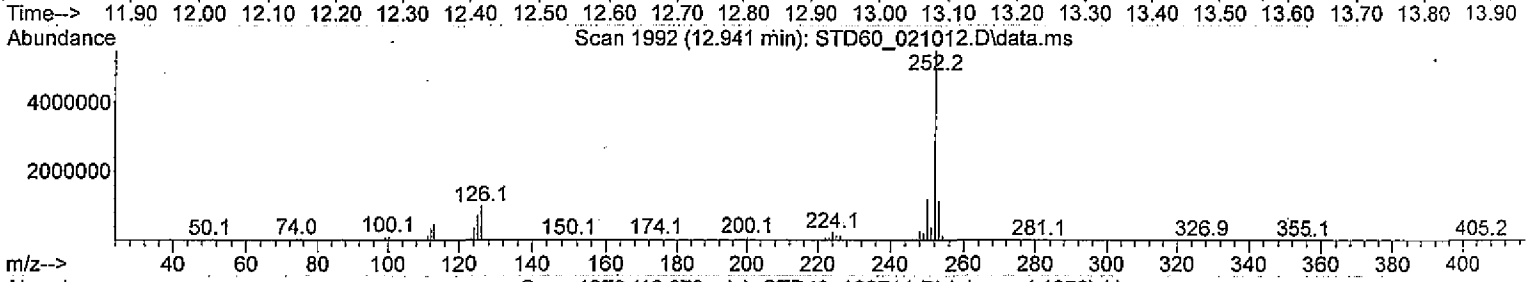
Quantitation Report (Qedit)

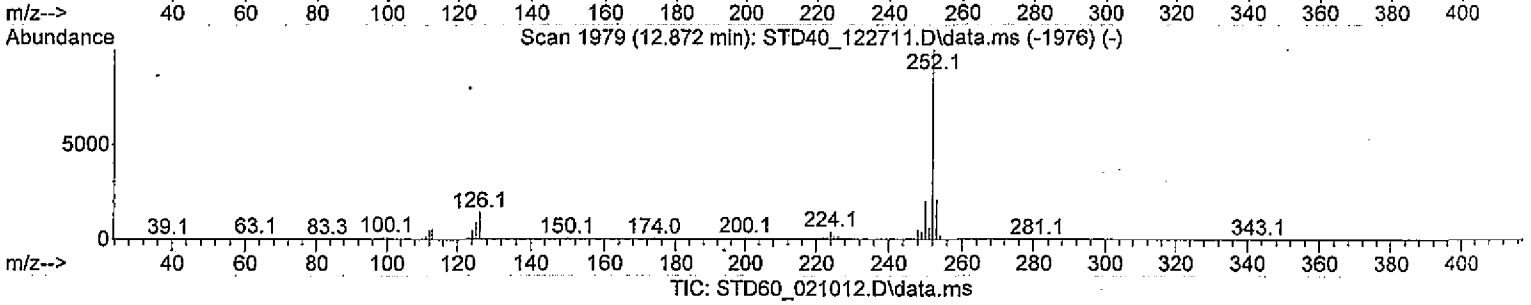
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:23:07 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



b4
EBY
2/13/12





TIC: STD60_021012.D\data.ms

(76) Benzo(k)fluoranthene

12.941min (-0.027) 67.01 ug/mL

response 11315156

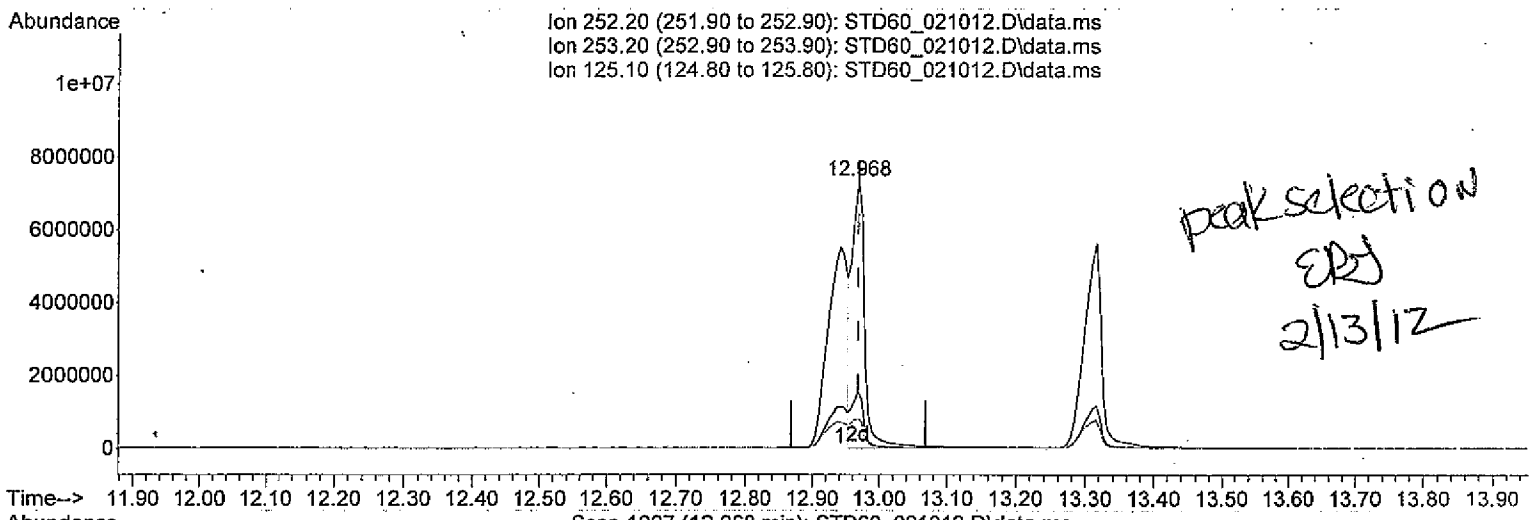
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.17
125.10	14.90	14.33
0.00	0.00	0.00

OK
LP
2/13/12

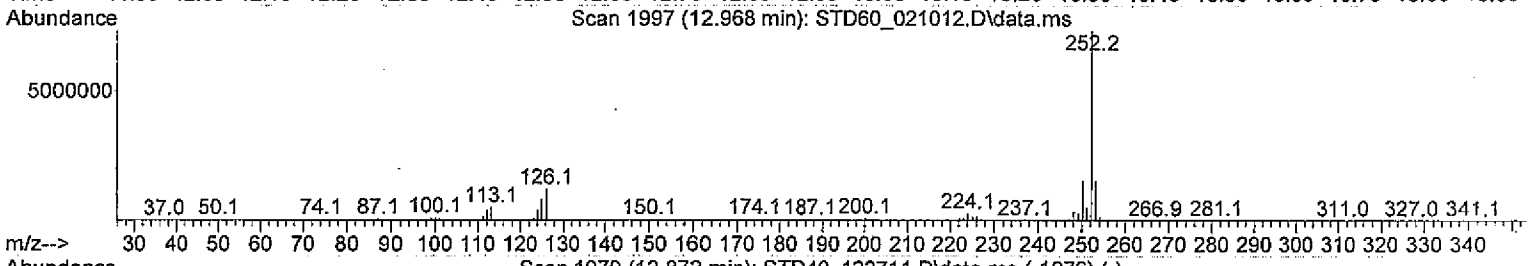
Quantitation Report (Qedit)

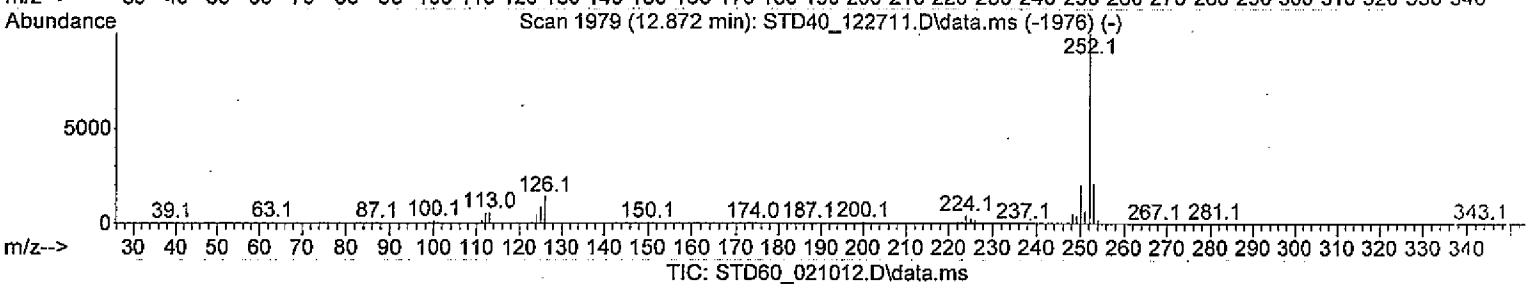
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:23:07 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



peak selection
ERJ
2/13/12





(76) Benzo(k)fluoranthene

12.968min (0.000) 58.38 ug/mL m

response 9856772

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	24.30
125.10	14.90	16.45
0.00	0.00	0.00

✓ OK
ICP
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1271635	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	4950545	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2400963	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4558951	20.000	ug/mL	0.00
65) Chrysene-d12	11.733	240	3404470	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2712559	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	8163987	106.637	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 106.64%			
5) Phenol-d6	3.945	99	8501211	99.833	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 99.83%			
16) Nitrobenzene-d5	4.795	82	4200521	50.127	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.26%			
34) 2-Fluorobiphenyl	6.603	172	7374735	54.289	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 108.58%			
55) 2,4,6-Tribromophenol	8.160	330	1779982	105.085	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.09%			
67) Terphenyl-d14	10.577	244	6848679	52.605	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 105.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	4803065	79.839	ug/mL	91
4) Benzaldehyde	3.897	77	4505043	64.157	ug/mL	96
6) Phenol	3.961	94	7139532	74.183	ug/mL	97
7) Bis(2-chloroethyl)ether	4.047	93	6409343	68.412	ug/mL	97
8) 2-Chlorophenol	4.100	128	6563286	71.752	ug/mL	97
9) 2-Methylphenol	4.485	108	5880092	71.093	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.528	45	12224946	64.829	ug/mL#	91
11) Acetophenone	4.651	105	7655253	66.309	ug/mL#	75
12) 4-Methylphenol	4.635	108	5984009	69.235	ug/mL	94
13) Hexachloroethane	4.721	117	2501653	67.862	ug/mL	98
14) N-Nitroso-di-n-propyla...	4.688	70	4551406	71.349	ug/mL	89
17) Nitrobenzene	4.817	77	6432404	71.811	ug/mL	97
18) Isophorone	5.047	82	12348588	74.046	ug/mL	95
19) 2-Nitrophenol	5.116	139	3467995	77.855	ug/mL	90
20) 2,4-Dimethylphenol	5.143	107	5816506	70.692	ug/mL	90
21) Bis(2-chloroethoxy)met...	5.245	93	7164007	68.621	ug/mL	98
22) 2-4-Dichlorophenol	5.341	162	4896217	73.016	ug/mL	98
23) Naphthalene	5.491	128	12391838	53.682	ug/mL	95
24) 4-Chloroaniline	5.566	127	7234516	70.902	ug/mL	97
25) Hexachlorobutadiene	5.667	225	2467528	69.747	ug/mL	100
26) Caprolactam	5.961	113	2075376	78.102	ug/mL#	77
27) 4-Chloro-3-methylphenol	6.068	107	5359296	75.960	ug/mL	91
28) 2-Methylnaphthalene	6.202	142	10193101	62.742	ug/mL	99
30) Hexachlorocyclopentadiene	6.432	237	2389409	86.255	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.416	216	4447296	74.428	ug/mL	98
32) 2,4,6-Trichlorophenol	6.523	196	3253338	81.676	ug/mL	93
33) 2,4,5-Trichlorophenol	6.566	196	3366418	82.020	ug/mL	93
35) 2-Chloronaphthalene	6.710	162	8350077	64.539	ug/mL	99
36) 1,1-Biphenyl	6.694	154	9428630	56.879	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration

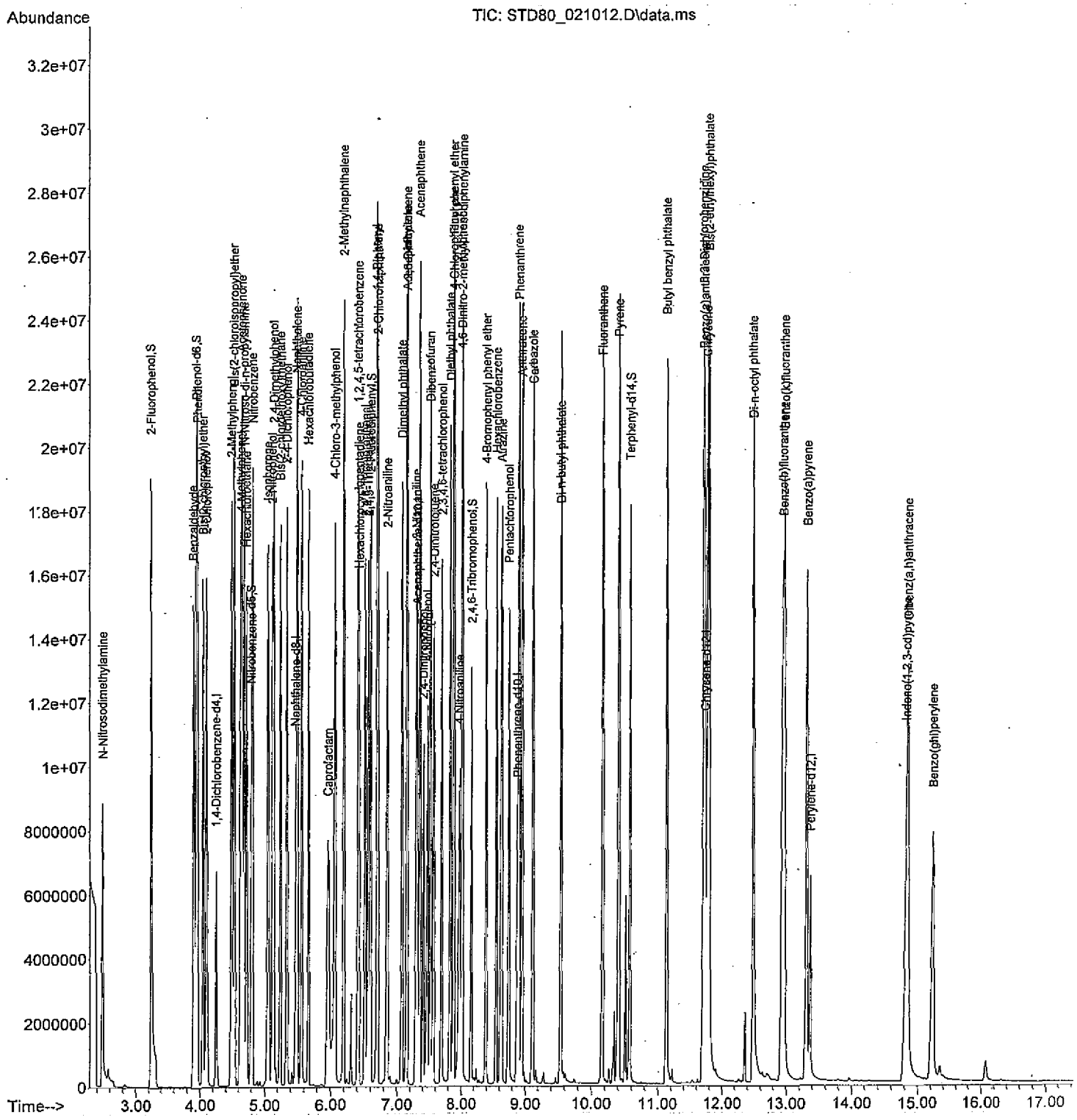
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	2-Nitroaniline	6.855	65	4113324	85.422	ug/mL	90
38)	Acenaphthylene	7.154	152	12215091	60.761	ug/mL	99
39)	Dimethyl phthalate	7.079	163	12479006	78.678	ug/mL	99
40)	2,6-Dinitrotoluene	7.160	165	2056521	67.569	ug/mL#	84
41)	3-Nitroaniline	7.299	138	3448854	81.372	ug/mL	85
42)	Acenaphthene	7.352	153	9540199	68.215	ug/mL	96
43)	2,4-Dinitrophenol	7.406	184	1916947	127.385	ug/mL	100
44)	Dibenzofuran	7.513	168	12478472	67.881	ug/mL	98
45)	4-Nitrophenol	7.470	109	1732399	100.481	ug/mL	85
46)	2,4-Dinitrotoluene	7.571	165	4432418	89.931	ug/mL	93
47)	2,3,4,6-tetrachlorophenol	7.694	232	2639062	87.271	ug/mL	95
48)	Fluorene	7.887	166	8251612	62.757	ug/mL	100
49)	Diethyl phthalate	7.828	149	11547435	77.534	ug/mL	99
50)	4-Chlorophenyl phenyl ...	7.882	204	4018721	65.887	ug/mL	97
51)	4-Nitroaniline	7.973	138	3045974	85.173	ug/mL	93
53)	4,6-Dinitro-2-methylph...	8.010	198	2134729	87.979	ug/mL#	50
54)	N-Nitrosodiphenylamine	8.021	169	8652558	61.272	ug/mL	96
56)	4-Bromophenyl phenyl e...	8.395	248	2953573	71.542	ug/mL	90
57)	Hexachlorobenzene	8.556	284	3308154	74.519	ug/mL#	89
58)	Atrazine	8.630	200	3501849	73.473	ug/mL	97
59)	Pentachlorophenol	8.743	266	2400427	88.051	ug/mL	99
60)	Phenanthrene	8.898	178	14026975	59.116	ug/mL	98
61)	Anthracene	8.946	178	13736813	57.041	ug/mL	96
62)	Carbazole	9.117	167	13885139	62.902	ug/mL	98
63)	Di-n-butyl phthalate	9.534	149	13977737	54.039	ug/mL#	96
64)	Fluoranthene	10.165	202	14977486	60.274	ug/mL	95
66)	Pyrene	10.406	202	15688566	65.552	ug/mL	95
68)	Butyl benzyl phthalate	11.134	149	7612667	76.960	ug/mL	96
69)	Benzo(a)anthracene	11.711	228	13847633	74.668	ug/mL	98
70)	3,3'-Dichlorobenzidine	11.701	252	3930299	74.832	ug/mL#	96
71)	Chrysene	11.765	228	13046709	72.686	ug/mL	98
72)	Bis(2-ethylhexyl)phtha...	11.791	149	9403437	73.546	ug/mL	98
74)	Di-n-octyl phthalate	12.481	149	15102136	79.569	ug/mL	100
75)	Benzo(b)fluoranthene	12.952	252	13726142	83.567	ug/mL	98
76)	Benzo(k)fluoranthene	12.974	252	11597326m	75.187	ug/mL	
77)	Benzo(a)pyrene	13.321	252	11926125	80.536	ug/mL	96
78)	Indeno(1,2,3-cd)pyrene	14.829	276	9216763	75.571	ug/mL#	85
79)	Dibenz(a,h)anthracene	14.851	278	7582581	76.941	ug/mL	96
80)	Benzo(ghi)perylene	15.241	276	7291349	71.896	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

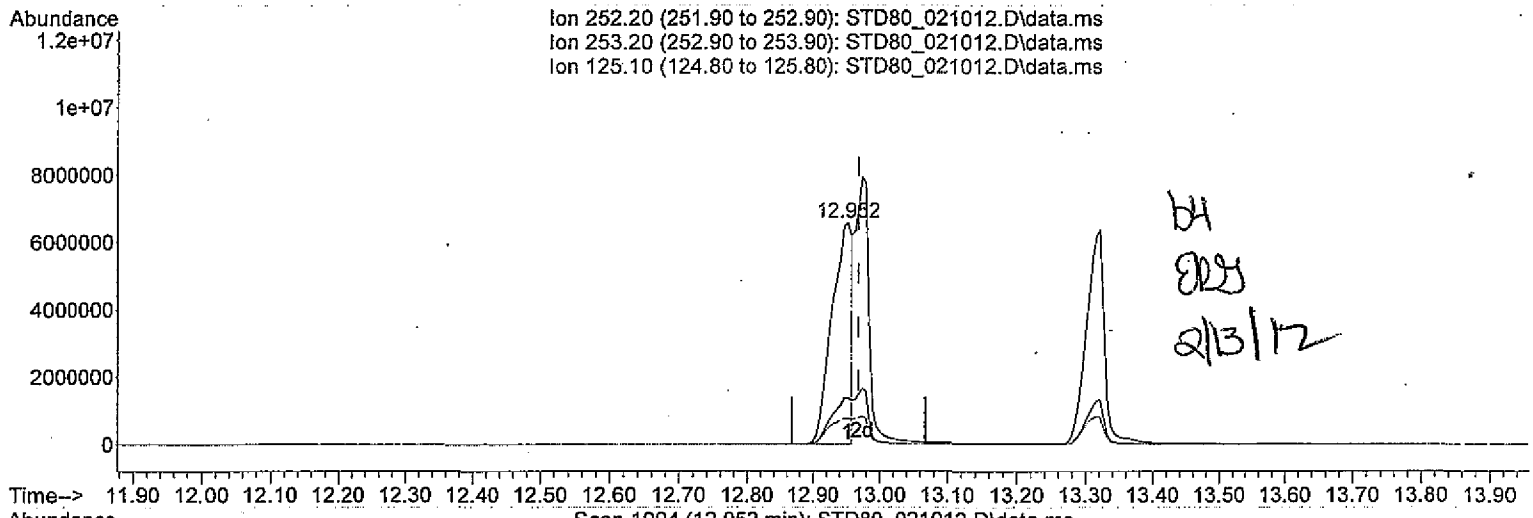
Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



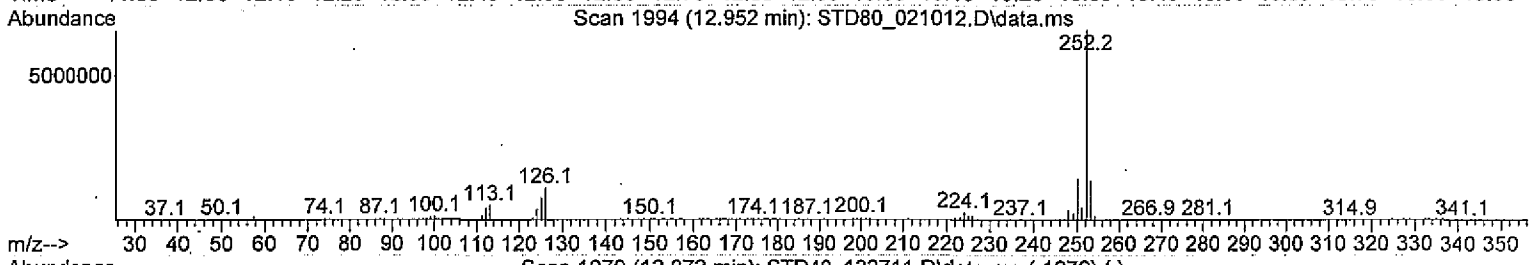
Quantitation Report (Qedit)

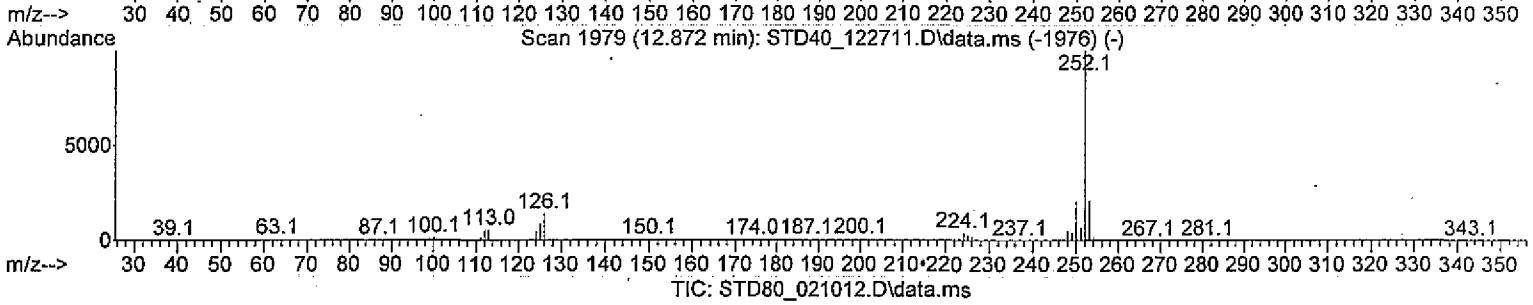
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



bH
ERG
2/13/12





TIC: STD80_021012.D\data.ms

(76) Benzo(k)fluoranthene

12.952min (-0.016) 88.99 ug/mL

response 13726142

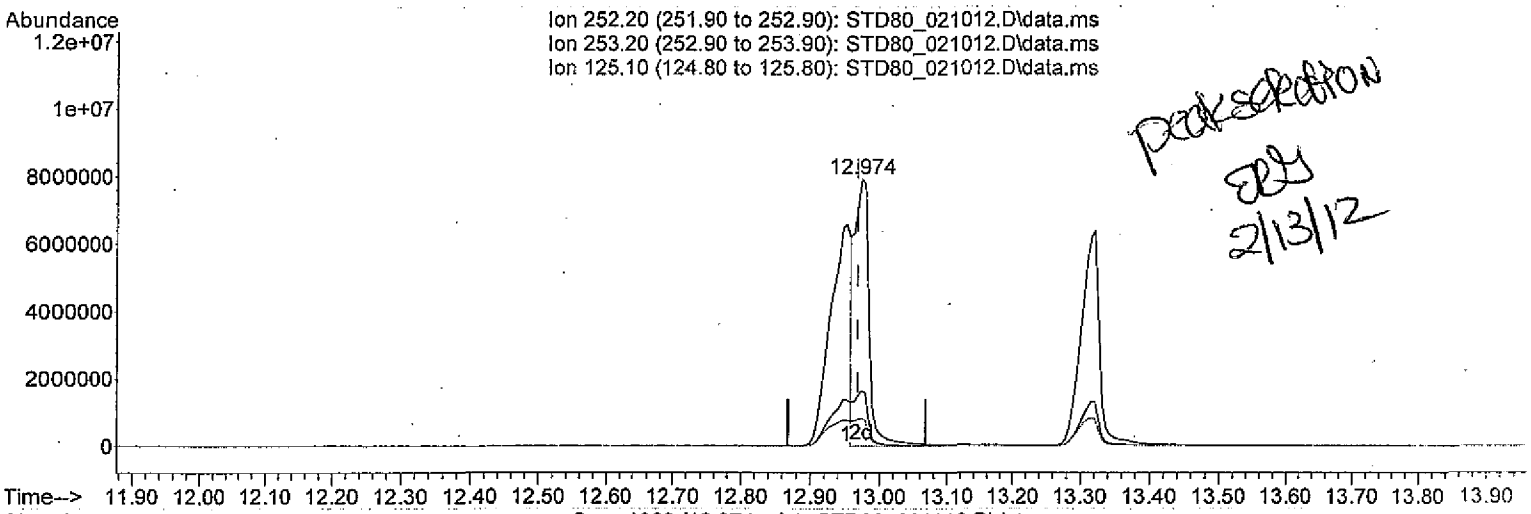
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.15
125.10	14.90	13.43
0.00	0.00	0.00

OK
CR
2/13/12

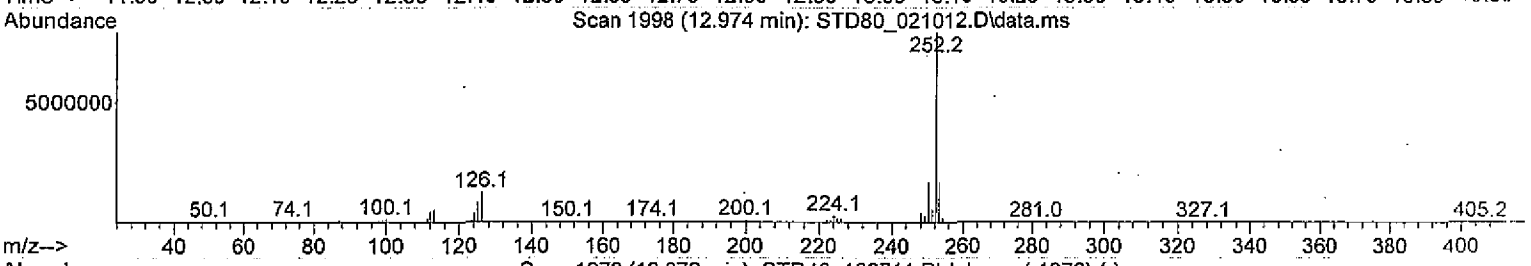
Quantitation Report (Qedit)

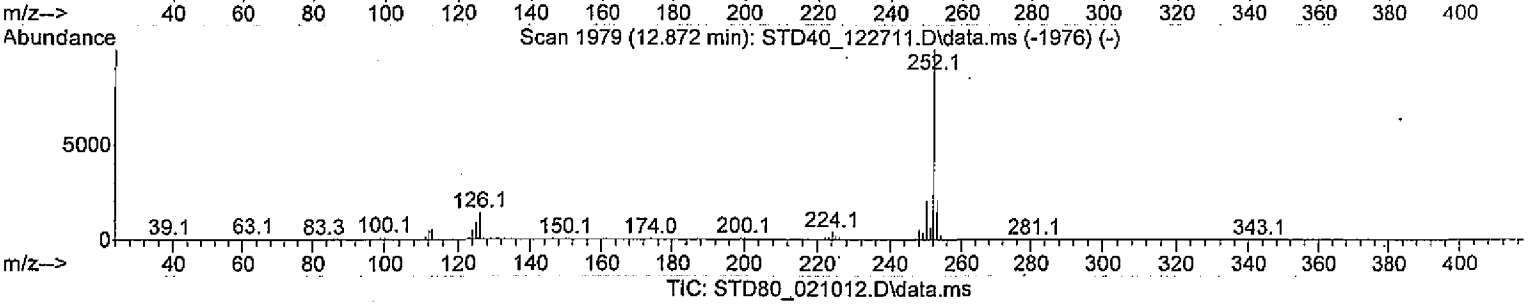
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



Peak separation
EBY
2/13/12





TIC: STD80_021012.D\data.ms

(76) Benzo(k)fluoranthene

12.974min (+0.005) 75.19 ug/mL m

response 11597326

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	25.03
125.10	14.90	15.89
0.00	0.00	0.00

✓
OK
ILP
2/13/12

Prepared By: ERJ/Gerstel
Prepared Date: 2/10/12
Expiration Date: 8/10/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeCl2/13895
Reagent Purity: ERJ
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)						Conc. of prepared solution (µg/mL)						Final volume of prepared solution (mL)	Prepared Solution ID
	1200106	1200107	1200108	1200109	1100836	1100808	1200106	1200107	1200108	1200109	1100836	1100808		
1200106, 1200107, 1200108, 1200109, 1100836, 1100808	80	80	80	10	10	10	80	80	80	20	50	100	1.0	Std80_021012
	60	60	60	10	10	10	60	60	60	20	50	100	1.0	Std60_021012
	40	40	40	10	10	10	40	40	40	20	50	100	1.0	Std40_021012
	20	20	20	10	10	10	20	20	20	20	50	100	1.0	Std20_021012
	10	10	10	10	10	10	10	10	10	20	50	100	1.0	Std10_021012
	5	5	5	10	10	10	5	5	5	20	50	100	1.0	Std05_021012

Comments: 1200106 – MegaMix
1200107 – Additions
1200108 – N-Nitroso
1200109 – ISTD
1100836 – B/N
1100808 – Acid

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201with 3 stds.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 730	SolvRes1	2 @ Tray1,VT98
(R) ADD	201 Fill 790	SolvRes1	3 @ Tray1,VT98
(R) ADD	201 Fill 850	SolvRes1	4 @ Tray1,VT98
(R) ADD	201 Fill 910	SolvRes1	5 @ Tray1,VT98
(R) ADD	201 Fill 940	SolvRes1	6 @ Tray1,VT98
(R) ADD	201 Fill 955	SolvRes1	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	14 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	14 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	14 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	14 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	14 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	9 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	9 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	9 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	9 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	9 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	9 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	13 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	13 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	13 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	13 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	13 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-10uL	10 @ Tray1,VT98	2 @ Tray1,VT98

(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-10uLc	10 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-10uL	12 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-10uLc	12 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	ISTD	11 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	ISTD c	11 @ Tray1,VT98	7 @ Tray1,VT98

END

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	MeCl2	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A085199
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EPY	Mfgr Expiration:	05/30/2013

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix EPY 2/23/1
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix EPY 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200106

Acetophenone	98-86-2	1000	ug/mL	
Anthracene	120-12-7	1000	ug/mL	
~~Benzaldehyde~~	~~100-52-7~~	~~1000~~	~~ug/mL~~	Not in mix
Benzo(a)anthracene	56-55-3	1000	ug/mL	EBY 2/23/1
Benzo(a)pyrene	50-32-8	1000	ug/mL	
Benzo(b)fluoranthene	205-99-2	1000	ug/mL	
Benzo(ghi)perylene	191-24-2	1000	ug/mL	
Benzo(k)fluoranthene	207-08-9	1000	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~1000~~	~~ug/mL~~	Not in mix
Benzyl butyl phthalate	85-68-7	1000	ug/mL	EBY 2/23/12
~~Biphenyl~~	~~92-52-4~~	~~1000~~	~~ug/mL~~	wrong Name
Bis(2-chloroethoxy)methane	111-91-1	1000	ug/mL	EBY 2/23/12
Bis(2-chloroethyl)ether	111-44-4	1000	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	1000	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	1000	ug/mL	
Butyl benzyl phthalate	85-68-7	1000	ug/mL	
Carbazole	86-74-8	1000	ug/mL	
Chrysene	218-01-9	1000	ug/mL	
Dibenz(a,h)anthracene	53-70-3	1000	ug/mL	wrong Name
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~1000~~	~~ug/mL~~	~~Not in M~~
Dibenzofuran	132-64-9	1000	ug/mL	EBY 2/23/1
Diethyl phthalate	84-66-2	1000	ug/mL	
Dimethyl phthalate	131-11-3	1000	ug/mL	
Di-n-butyl phthalate	84-74-2	1000	ug/mL	
Di-n-octyl phthalate	117-84-0	1000	ug/mL	
Fluoranthene	206-44-0	1000	ug/mL	
Fluorene	86-73-7	1000	ug/mL	
Hexachlorobenzene	118-74-1	1000	ug/mL	
Hexachlorobutadiene	87-68-3	1000	ug/mL	
Hexachlorocyclopentadiene	77-47-4	1000	ug/mL	
Hexachloroethane	67-72-1	1000	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	ug/mL	
Isophorone	78-59-1	1000	ug/mL	
Naphthalene	91-20-3	1000	ug/mL	
Nitrobenzene	98-95-3	1000	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	1000	ug/mL	
N-Nitrosodiphenylamine	86-30-6	1000	ug/mL	
Pentachlorophenol	87-86-5	1000	ug/mL	
Phenanthrene	85-01-8	1000	ug/mL	
Phenol	108-95-2	1000	ug/mL	
Pyrene	129-00-0	1000	ug/mL	

RESTEK 110 Benner Circle Bellefonte, PA 16823 Made in USA

Catalog # 31900

Sonication required. Mix is photosensitive.

OLM 01.1 Revised SV MegaMix

Dec 2/6/12 EBY

500 - 1000 ug/mL each in Methylene Chloride

Lot# A085199 Exp. Date: 05/2013 Store: 0°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200107

std_Org_analytical.rpt

Description:	ERG Additions Standards	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A084293
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EBM	Mfgr Expiration:	09/30/2013

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31902
Additions Standard
Rec 2/6/12 EBM
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A084293 Exp. Date: 09/2013 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200108

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A069622
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1600 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 2/6/12

Prepared By: EDD/Gerstel
Prepared Date: 2/12/12
Expiration Date: 08/12/12
SNB364 Certificate of Analysis

Solvent/Barcode: $MeCl_2$/13895
Reagent Purity: EDD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)										Conc. of prepared solution (µg/mL)										Final volume of prepared solution (mL)	Prepared Solution ID
	1200115	1200116	1200117	1200118	1200119	1200120	1200121	1200122	1200109	1100836	1100808	1200115	1200116	1200118	1200119	1200120	1200121	1200122	1200109	1100836	1100808		
1200115, 1200116, 1200117, 1200118, 1200119, 1200120, 1200121, 1200122, 1200109, 1100836, 1100808	30	30	30	30	30	30	30	30	10	10	10	60	60	60	60	60	60	60	20	50	100	1.0	SCV60-021212

Comments:
1200115 B/N Mix 1
1200116 B/N Mix 2
1200117 Haz Mix 1
1200118 Haz Mix 2
1200119 33'
1200120 Phenols
1200121 PAH
1200122 OLM 04
1200109 - ISTD
1100836 - B/N Surr
1100808 - Acid Surr

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201 SCV with 8 stds.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 730b	SolvRes1	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	9 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	8 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	7 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	6 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	5 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	4 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	10 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	12 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	11 @ Tray1,VT98	2 @ Tray1,VT98
END			

Analytical Standard Record
U.S. EPA Region 3
1200115

std_Org_analytical.rpt

Description:	ERG B/N Mix 1	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	10/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB87423
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	CRD	Mfgr Expiration:	10/30/2014

Analyte	CAS Number	Concentration	Units
4-Bromophenyl phenyl ether	101-55-3	2000	ug/mL
4-Chlorophenyl phenyl ether	7005-72-3	2000	ug/mL
Benzyl butyl phthalate	85-68-7	2000	ug/mL
Bis(2-chloroethoxy)methane	111-91-1	2000	ug/mL
Bis(2-chloroethyl)ether	111-44-4	2000	ug/mL
Bis(2-chloroisopropyl)ether	39638-32-9	2000	ug/mL
Bis(2-ethylhexyl)phthalate	117-81-7	2000	ug/mL
Diethyl phthalate	84-66-2	2000	ug/mL
Dimethyl phthalate	131-11-3	2000	ug/mL
Di-n-butyl phthalate	84-74-2	2000	ug/mL
Di-n-octyl phthalate	117-84-0	2000	ug/mL
N-Nitrosodimethylamine	62-75-9	2000	ug/mL
N-Nitroso-di-n-propylamine	621-64-7	2000	ug/mL
N-Nitrosodiphenylamine	86-30-6	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Base Neutrals Mix 1 **48900-U**
Lot: LB87423 EXP: OCT/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERD

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Description:	ERG B/N Mix 2	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	06/30/2010
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB76454
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERD	Mfgr Expiration:	06/30/2013

Analyte	CAS Number	Concentration	Units
2,4-Dinitrotoluene	121-14-2	2000	ug/mL
2,6-Dinitrotoluene	606-20-2	2000	ug/mL
Carbazole	86-74-8	2000	ug/mL
Hexachlorobenzene	118-74-1	2000	ug/mL
Hexachlorobutadiene	87-68-3	2000	ug/mL
Hexachlorocyclopentadiene	77-47-4	2000	ug/mL
Hexachloroethane	67-72-1	2000	ug/mL
Isophorone	78-59-1	2000	ug/mL
Nitrobenzene	98-95-3	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Base/Neutrals Mix 2 48120-U
Lot: LB76454 EXP: JUN/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERD

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Description:	ERG TCL Haz Sub Mix 1	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	04/30/2010
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB74368
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	EPM	Mfgr Expiration:	04/30/2013

Analyte	CAS Number	Concentration	Units
2,4,5-Trichlorophenol	95-95-4	2000	ug/mL
2-Methylphenol	95-48-7	2000	ug/mL
4-Methylphenol	106-44-5	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Hazardous Substances Mix 1 **4-8907**
Lot: LB74368 EXP: APR/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 EPM

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

U.S. EPA Region 3
1200118

Description:	ERG TCL Haz Mix 2	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	02/28/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB82059
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERM	Mfgr Expiration:	02/28/2014

Analyte	CAS Number	Concentration	Units
2-Methylnaphthalene	91-57-6	2000	ug/mL
2-Nitroaniline	88-74-4	2000	ug/mL
3-Nitroaniline	99-09-2	2000	ug/mL
4-Chloroaniline	106-47-8	2000	ug/mL
4-Nitroaniline	100-01-6	2000	ug/mL
Dibenzofuran	132-64-9	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Hazardous Substances Mix 2 4-8908
Lot: LB82059 EXP: FEB/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERM

SUPELCO
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

DIM02177

Description:	ERG 3,3-Dichlorobenzidine	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	10/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB87676
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERD	Mfgr Expiration:	10/30/2014

Analyte	CAS Number	Concentration	Units
3,3'-Dichlorobenzidine	91-94-1	2000	ug/mL

NOTEBOOK INSERT LABEL

3,3-Dichlorobenzidine 4-8029
Lot: LB87676 EXP: OCT/2014 STORAGE: REFRIGERATE 1 x 1ml
DATE RECEIVED: 1/11/12 ERD

SUPELCO
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Description:	ERG TCL Phenols	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	03/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB83299
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	EDM	Mfgr Expiration:	03/30/2014

Analyte	CAS Number	Concentration	Units
2,4,6-Trichlorophenol	88-06-2	2000	ug/mL
2,4-Dichlorophenol	120-83-2	2000	ug/mL
2,4-Dimethylphenol	105-67-9	2000	ug/mL
2,4-Dinitrophenol	51-28-5	2000	ug/mL
2-Chlorophenol	95-57-8	2000	ug/mL
2-Nitrophenol	88-75-5	2000	ug/mL
4,6-Dinitro-2-methylphenol	534-52-1	2000	ug/mL
4-Chloro-3-methylphenol	59-50-7	2000	ug/mL
4-Nitrophenol	100-02-7	2000	ug/mL
Pentachlorophenol	87-86-5	2000	ug/mL
Phenol	108-95-2	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Phenols Mix 4-8904
Lot: LB83299 EXP: MAR/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 EDM

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Description:	ERG PAH Mix	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	08/30/2009
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB69185
Vials:	1	Received:	09/22/2011
Reagent Purity Checked	ERM	Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
Acenaphthene	83-32-9	2000	ug/mL
Acenaphthylene	208-96-8	2000	ug/mL
Anthracene	120-12-7	2000	ug/mL
Benzo(a)anthracene	56-55-3	2000	ug/mL
Benzo(a)pyrene	50-32-8	2000	ug/mL
Benzo(b)fluoranthene	205-99-2	2000	ug/mL
Benzo(ghi)perylene	191-24-2	2000	ug/mL
Benzo(k)fluoranthene	207-08-9	2000	ug/mL
Chrysene	218-01-9	2000	ug/mL
Dibenz(a,h)anthracene	53-70-3	2000	ug/mL
Fluoranthene	206-44-0	2000	ug/mL
Fluorene	86-73-7	2000	ug/mL
Indeno(1,2,3-cd)pyrene	193-39-5	2000	ug/mL
Naphthalene	91-20-3	2000	ug/mL
Phenanthrene	85-01-8	2000	ug/mL
Pyrene	129-00-0	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Polynuclear Aromatic Hydrocarbons Mix 48905-U
Lot: LB69185 EXP: AUG/2012 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 9/22/11 ERM

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Description:	ERG CLP SOW OLM O4 Semi-volatiles Mix	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	04/13/2011
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB84222
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERG	Mfgr Expiration:	04/28/2013

Analyte	CAS Number	Concentration	Units
1,1-Biphenyl	92-52-4	2000	ug/mL
Acetophenone	98-86-2	2000	ug/mL
Atrazine	1912-24-9	2000	ug/mL
Benzaldehyde	100-52-7	2000	ug/mL
Caprolactam	105-60-2	2000	ug/mL

NOTEBOOK INSERT LABEL

CLP SOW OLM O4 Semi-volatiles Mix 47514-U
Lot: LB84222 EXP: APR/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERG

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

DI

Analytical Standard Record
U.S. EPA Region 3
1200109

std_Org_analytical.rpt

Description:	ERG ISTD	Expires:	08/05/2012
Standard Type:	Internal Std	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A083976
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	10/30/2018

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
Acenaphthene-d10	NA	2000	ug/mL
Chrysene-d12	NA	2000	ug/mL
Naphthalene-d8	NA	2000	ug/mL
Perylene-d12	NA	2000	ug/mL
Phenanthrene-d10	NA	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31206
SV Internal Standard Mix 2mg/ml
Rec 2/6/12 ERS
2000 ug/mL each in Methylene Chloride
Lot# A083976 Exp. Date: 10/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100836

std_Org_analytical.rpt

Description:	ERG B/N Surrogate Mix	Expires:	06/24/2012
Standard Type:	Surrogate Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080907
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	04/30/2018

Analyte	CAS Number	Concentration	Units
2-Fluorobiphenyl	321-60-8	5000	ug/mL
Nitrobenzene-d5	NA	5000	ug/mL
Terphenyl-d14	NA	5000	ug/mL

RESTEK 110 Benner Circle Bellefonte, PA 16823 Made in USA

Catalog # 31062

Sonicate prior to use.

B/N Surrogate Mix (4/89 SOW)

5000 ug/mL each in Methylene Chloride Rec 9/20/11 ERD

Lot# A080907 Exp. Date: 04/2018 Store: 10°C or colder

500

Analytical Standard Record
U.S. EPA Region 3
1100808

std_Org_analytical.rpt

Description:	ERG Acid Surrogate Standard Mix	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080152
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	EPM	Mfgr Expiration:	03/30/2019

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	10000	ug/mL
2-Fluorophenol	367-12-4	10000	ug/mL
Phenol-d5	NA	10000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31063
Acid Surrogate Standard Mix (4/89)
10000 ug/mL each in Methanol Rec 9/20/11 EPM
Lot# A080152 Exp. Date: 03/2019 Store: 10°C or colder

Prepared By: ERJ
Prepared Date: 1/19/12
Expiration Date: 7/19/12
SNB364 Certificate of Analysis

Solvent/Barcode: $MeCl_2$/ 13895
Reagent Purity: ERJ
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
Lot# A078605	150	37.5	10	DFTPP 0112

Comments:

RESTEK 110 Benner Circle Bellefonte, PA 16823 Made in USA
Catalog # 31001 Rec 1/20/11 ERJ
SV Tuning Compound Standard
2500 ug/mL each in Methylene Chloride
Lot# A078605 Exp. Date: 12/2013 Store: 10°C or colder

Method Path : D:\DATA\SVOC\calibrations\
Method File : caliDIMOCK021212.M
Title : DIMOCK Calibration 021212
Last Update : Mon Feb 13 10:32:29 2012
Response Via : Initial Calibration

Calibration Files
5 =STD05_021012B.D 10 =STD10_021012B.D 20 =STD20_021012B.D 40 =STD40_021012B.D
60 =STD60_021012B.D 80 =STD80_021012B.D

		Compound	5	10	20	40	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD							
2)		2-methoxyethanol	0.048	0.054	0.054	0.053	0.053	0.051	0.052	4.23
3)	I	Naphthalene-d8	ISTD							
4)		1-Methylnaphth...	0.678	0.691	0.644	0.534	0.486	0.432	0.577	18.79
5)	I	Acenaphthene-d10	ISTD							
6)	I	Phenanthrene-d10	ISTD							
7)	I	Chrysene-d12	ISTD							
8)	I	Perylene-d12	ISTD							

(#) = Out of Range

DIM021775

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\021212\DFTPPG0112.D
Tune Time : 12 Feb 2012 3:31 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012B.D

	1386250	5560430	2819180
	4429210	3516950	2884680

File	Sample	Surrogate Recovery %	Internal Standard Responses	
SCV60_012612.D				
	SCV60_0126	1943344	8097128	4304236
		7162028	5425380	4647674
STD05_021012B.D				
	STD05_0210	1425267	5661425	2843682
		4186086	2656073	1957290
STD10_021012B.D				
	STD10_0210	1469999	5849753	2981428
		4618887	3378146	2437654
STD20_021012B.D				
	STD20_0210	1355627	5383525	2737265
		4402571	3217049	2380437
STD40_021012B.D				
	STD40_0210	1413814	5616320	2834587
		4338402	3168135	2499679
STD60_021012B.D				
	STD60_0210	1386248	5560433	2819183
		4429205	3516949	2884681
STD80_021012B.D				
	STD80_0210	1382916	5464454	2764571
		4364010	3388126	2629951

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 13 10:45:54 2012 CWA

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012B.D
Acq On : 12 Feb 2012 4:21 pm
Operator : ERG 96-5975B
Sample : STD05_021012B
Misc : Initial Calibration 021212
ALS Vial : 1 Sample Multiplier: 1

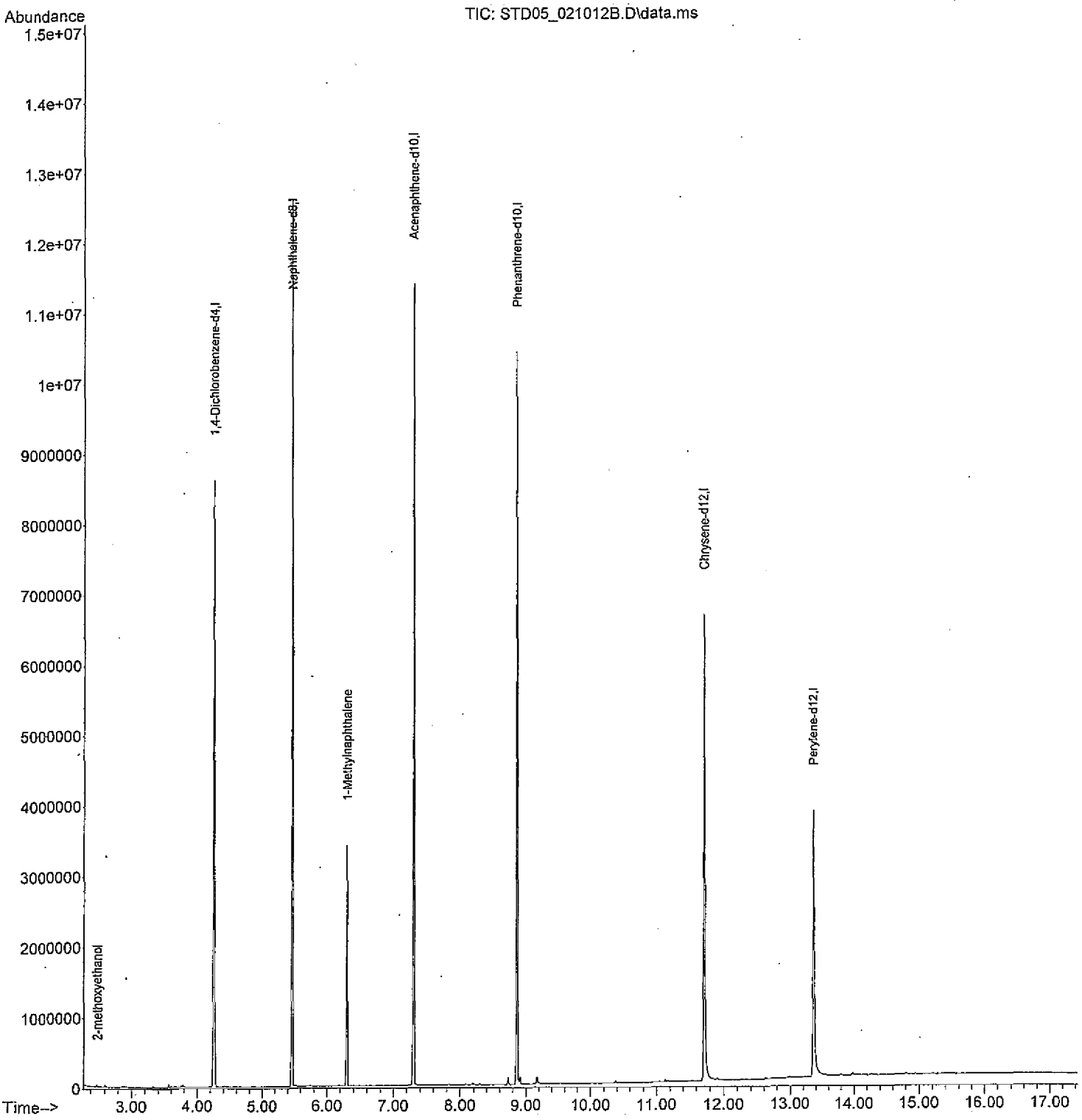
Quant Time: Feb 13 10:40:10 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1425267	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5661425	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2843682	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4186086	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2656073	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	1957290	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.495	45	16784	4.519	ug/mL#	81
4) 1-Methylnaphthalene	6.298	142	959633	5.871	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012B.D
Acq On : 12 Feb 2012 4:21 pm
Operator : ERG 96-5975B
Sample : STD05_021012B
Misc : Initial Calibration 021212
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 13 10:40:10 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



caliDIMOCK021212.M Mon Feb 13 10:40:24 2012

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012B.D
Acq On : 12 Feb 2012 5:12 pm
Operator : ERG 96-5975B
Sample : STD10_021012B
Misc : Initial Calibration 021212
ALS Vial : 2 Sample Multiplier: 1

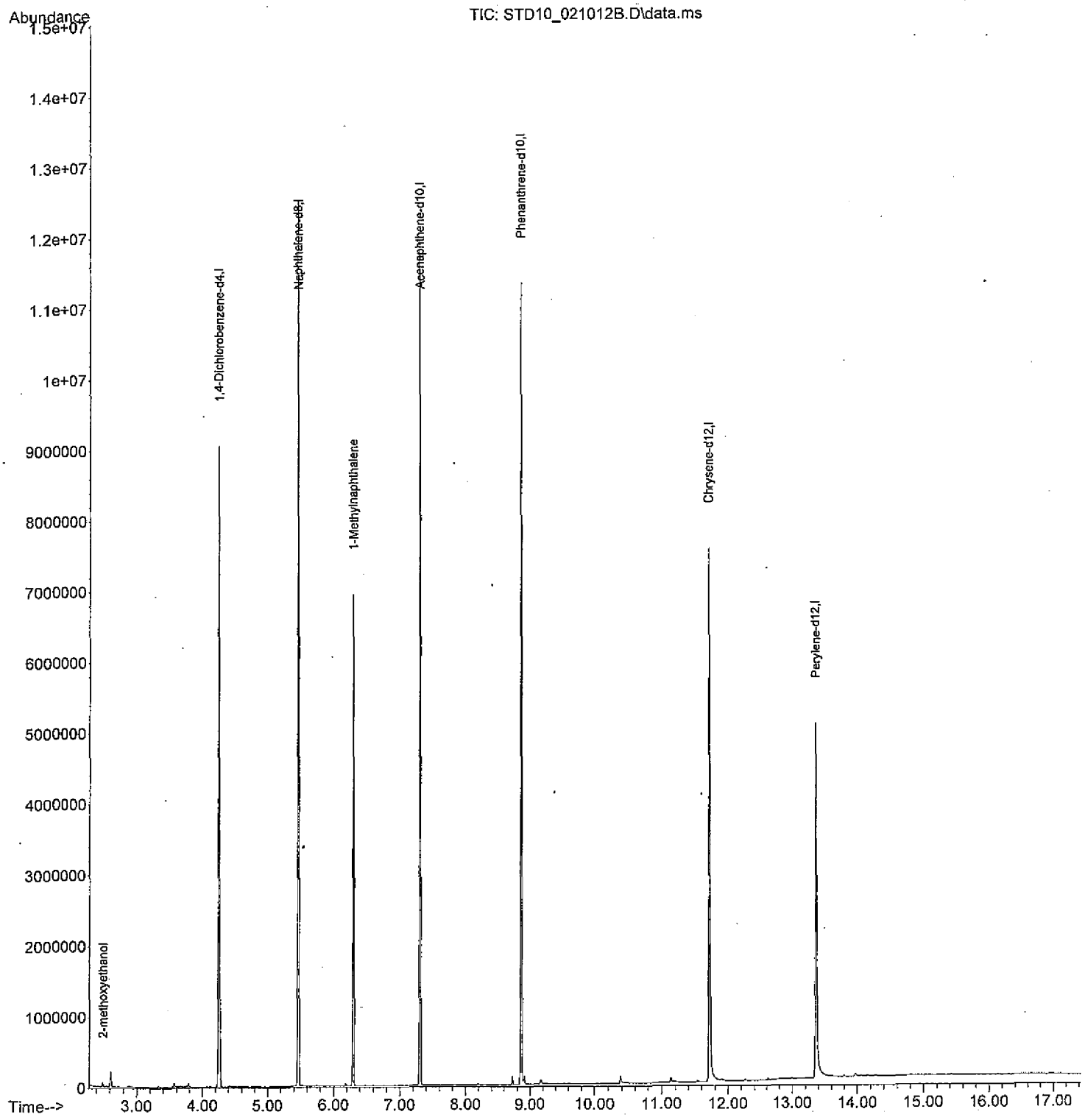
Quant Time: Feb 13 10:40:53 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1469999	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5849753	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2981428	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4618887	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3378146	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	2437654	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.495	45	38371	10.017	ug/mL#	76
4) 1-Methylnaphthalene	6.298	142	2020874	11.965	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012B.D
Acq On : 12 Feb 2012 5:12 pm
Operator : ERG 96-5975B
Sample : STD10_021012B
Misc : Initial Calibration 021212
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 10:40:53 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012B.D
Acq On : 12 Feb 2012 6:02 pm
Operator : ERG 96-5975B
Sample : STD20_021012B
Misc : Initial Calibration 021212
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 10:41:28 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

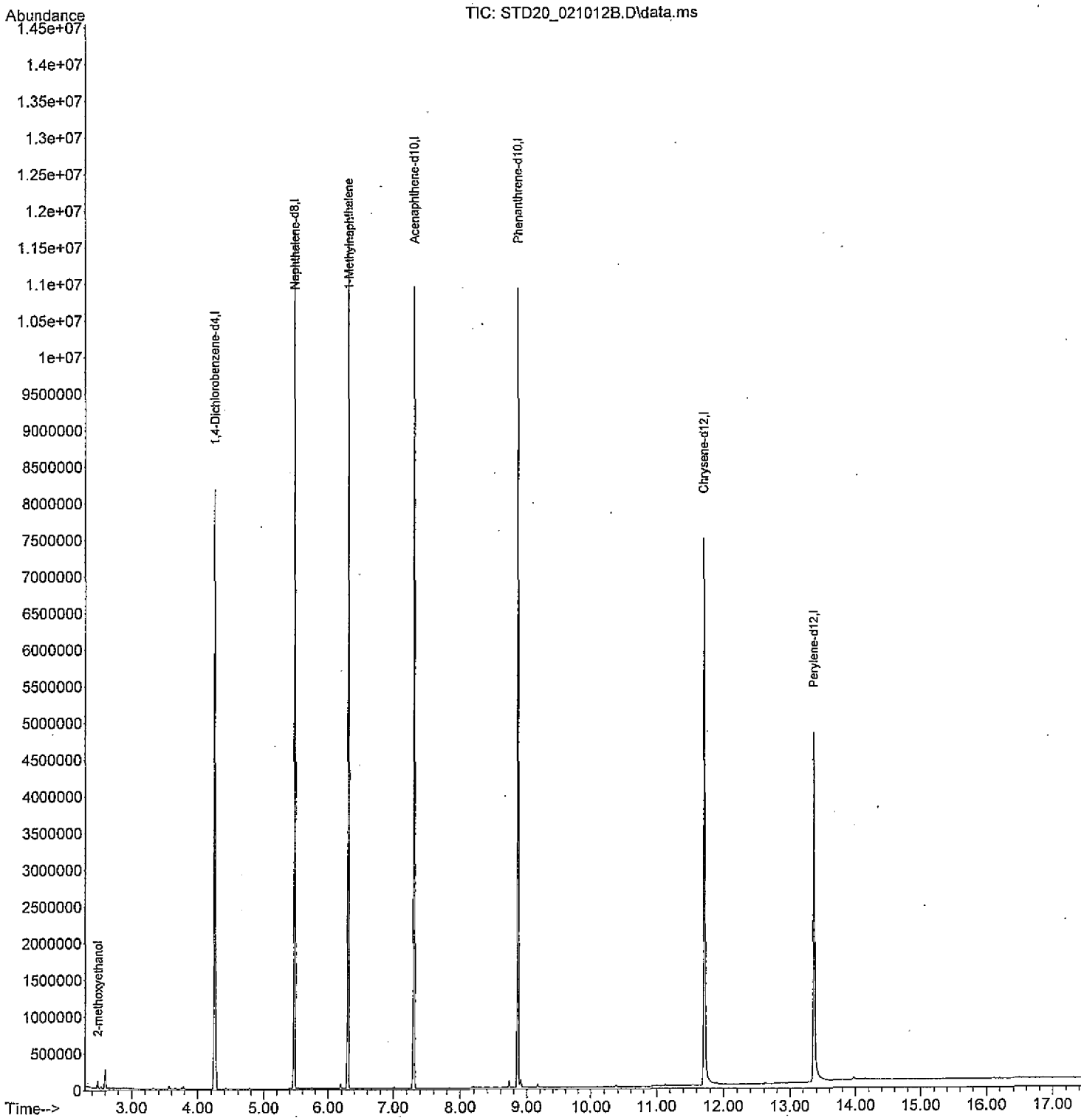
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1355627	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5383525	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2737265	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4402571	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3217049	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2380437	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	69030	19.540	ug/mL#	71
4) 1-Methylnaphthalene	6.304	142	3465345	22.295	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

0217500

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012B.D
Acq On : 12 Feb 2012 6:02 pm
Operator : ERG 96-5975B
Sample : STD20_021012B
Misc : Initial Calibration 021212
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 10:41:28 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012B.D
Acq On : 12 Feb 2012 6:52 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : Initial Calibration 021212
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 13 10:41:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

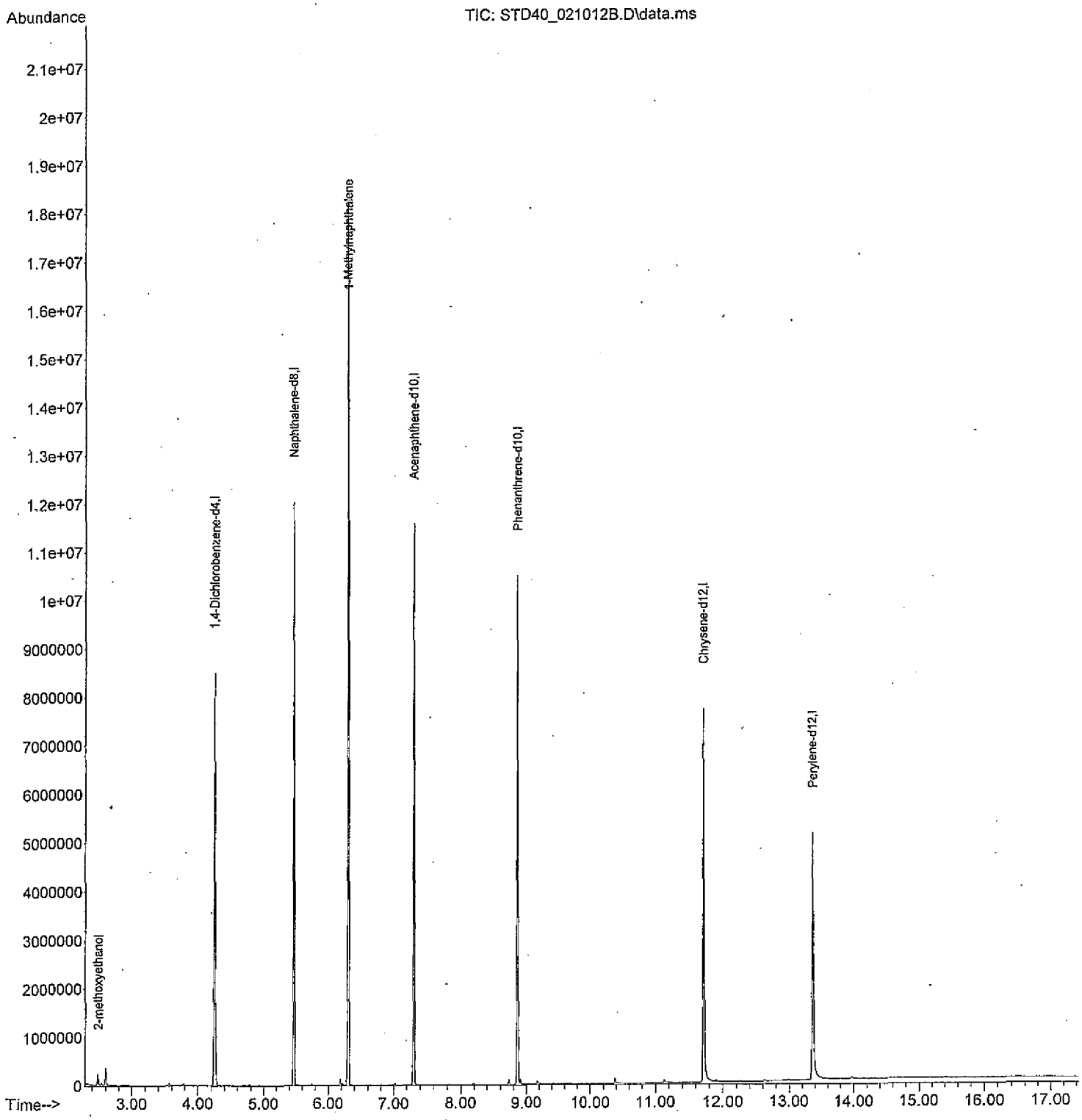
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1413814	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5616320	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2834587	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4338402	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3168135	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	2499679	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	145091	39.381	ug/mL#	71
4) 1-Methylnaphthalene	6.304	142	6001380	37.010	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

IM0217500

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012B.D
Acq On : 12 Feb 2012 6:52 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : Initial Calibration 021212
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 13 10:41:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012B.D
Acq On : 12 Feb 2012 7:43 pm
Operator : ERG 96-5975B
Sample : STD60_021012B
Misc : Initial Calibration 021212
ALS Vial : 5 Sample Multiplier: 1

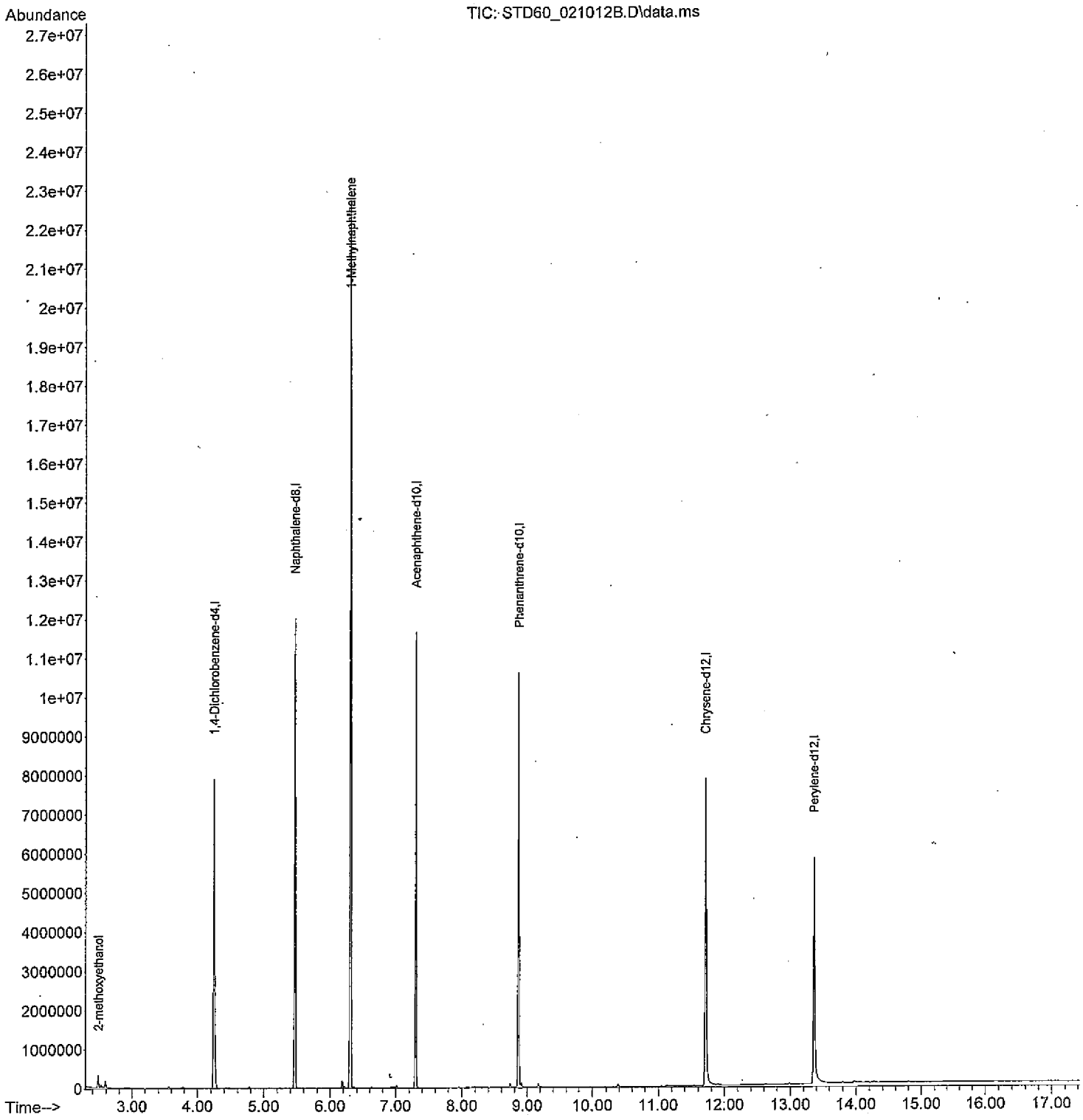
Quant Time: Feb 13 10:42:26 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	1386248	20.000 ug/mL	0.00
3) Naphthalene-d8	5.464	136	5560433	20.000 ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2819183	20.000 ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4429205	20.000 ug/mL	0.00
7) Chrysene-d12	11.711	240	3516949	20.000 ug/mL	0.00
8) Perylene-d12	13.359	264	2884681	20.000 ug/mL	0.00
Target Compounds					Qvalue
2) 2-methoxyethanol	2.485	45	214674	59.426 ug/mL#	69
4) 1-Methylnaphthalene	6.309	142	8110820	50.522 ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012B.D
Acq On : 12 Feb 2012 7:43 pm
Operator : ERG 96-5975B
Sample : STD60_021012B
Misc : Initial Calibration 021212
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 10:42:26 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012B.D
Acq On : 12 Feb 2012 8:33 pm
Operator : ERG 96-5975B
Sample : STD80_021012B
Misc : Initial Calibration 021212
ALS Vial : 6 Sample Multiplier: 1

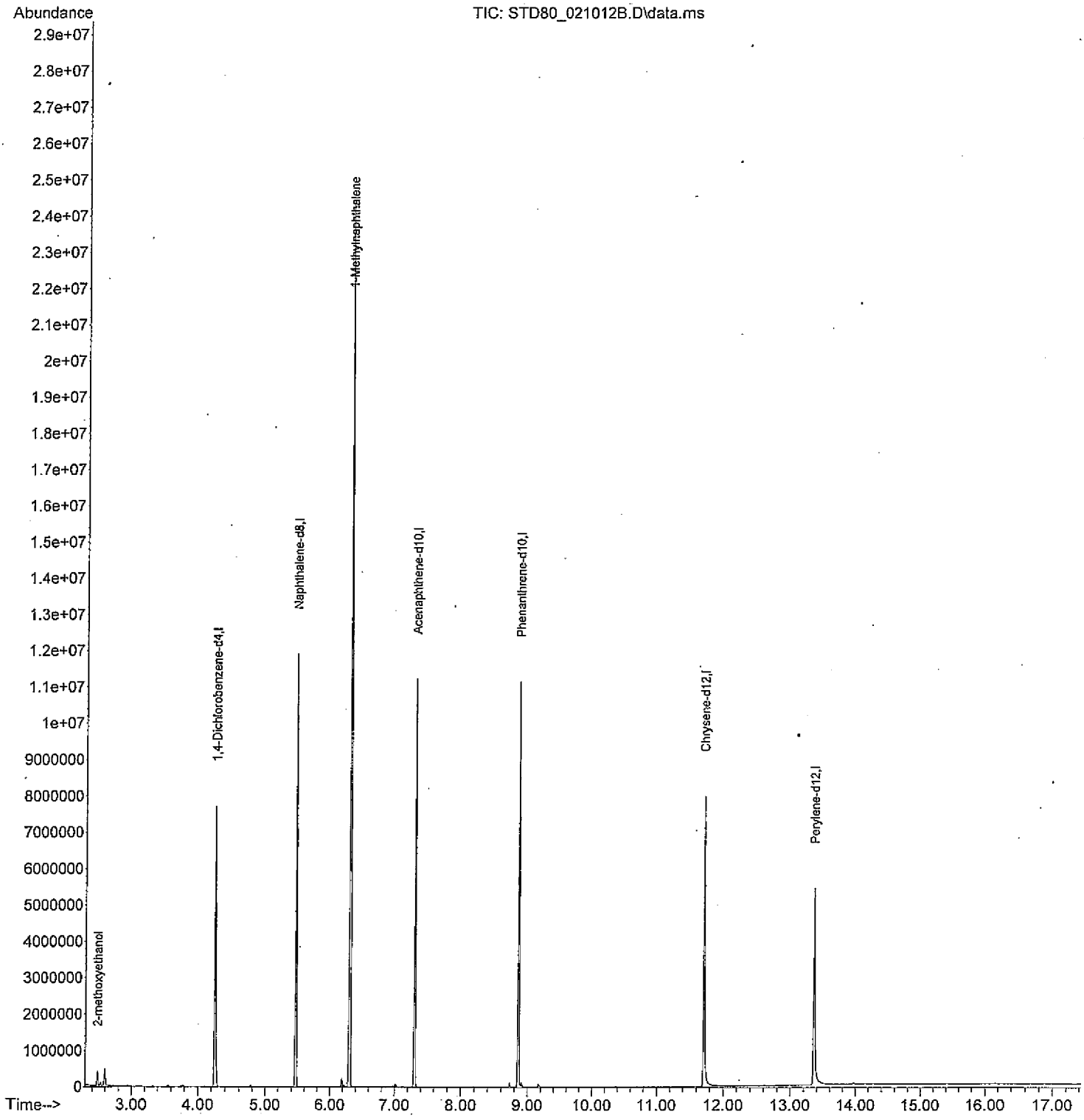
Quant Time: Feb 13 10:42:54 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1382916	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5464454	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2764571	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4364010	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3388126	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2629951	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.479	45	272591	75.640	ug/mL#	72
4) 1-Methylnaphthalene	6.309	142	9432000	59.783	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012B.D
Acq On : 12 Feb 2012 8:33 pm
Operator : ERG 96-5975B
Sample : STD80_021012B
Misc : Initial Calibration 021212
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 10:42:54 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_012612.D
Acq On : 12 Feb 2012 9:23 pm
Operator : ERG 96-5975B
Sample : ~~SCV60_012612~~ LMNSCV_012612
Misc : Initial Calibration 021212
ALS Vial : 7 Sample Multiplier: 1

EDD 2/13/12

SCV@25

Quant Time: Feb 13 10:43:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

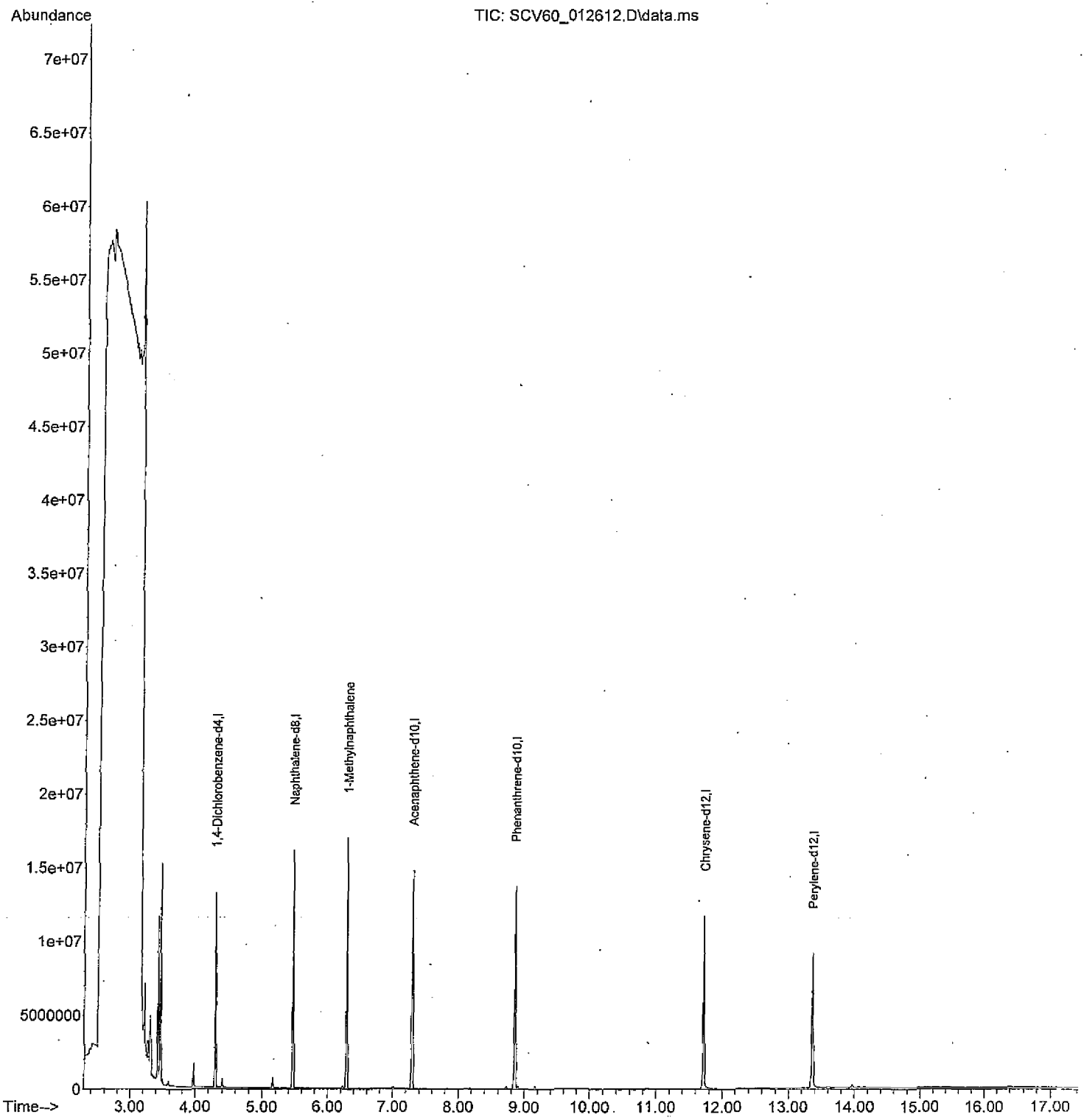
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.298	152	1943344	20.000 ug/mL	0.05
3) Naphthalene-d8	5.464	136	8097128	20.000 ug/mL	0.00
5) Acenaphthene-d10	7.293	164	4304236	20.000 ug/mL	-0.01
6) Phenanthrene-d10	8.855	188	7162028	20.000 ug/mL	0.00
7) Chrysene-d12	11.717	240	5425380	20.000 ug/mL	0.00
8) Perylene-d12	13.364	264	4647674	20.000 ug/mL	0.00
Target Compounds					Qvalue
4) 1-Methylnaphthalene	6.293	142	5253910	22.474 ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

$\frac{22.474}{25} = 90\%$

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_012612.D
Acq On : 12 Feb 2012 9:23 pm
Operator : ERG 96-5975B
Sample : SCV60_012612
Misc : Initial Calibration 021212
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 13 10:43:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Prepared By: ERD/Gerstel
Prepared Date: 2/10/12
Expiration Date: 8/10/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeCl2/138895
Reagent Purity: ERD
Storage Location (4 +/- 2 C):

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)			Conc. of prepared solution (µg/mL)			Final volume of prepared solution (mL)	Prepared Solution ID
	1200113	1200053	1200109	1200113	1200053	1200109		
1200113, 1200053, 1200109	40	40	10	77	80	20	1.0	STD80_021012B
	30	30	10	58	60	20	1.0	STD60_021012B
	20	20	10	39	40	20	1.0	STD40_021012B
	10	10	10	19	20	20	1.0	STD20_021012B
	5	5	10	9.7	10	20	1.0	STD10_021012B
	2.5	2.5	10	4.9	5	20	1.0	STD5_021012B

Comments: 1200113 - 2methoxyethanol
1200053 - 1-methylnaphthalene
1200109 - ISTD

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201with 2 stdsb.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 910	SolvRes1	2 @ Tray1,VT98
(R) ADD	201 Fill 930	SolvRes1	3 @ Tray1,VT98
(R) ADD	201 Fill 950	SolvRes1	4 @ Tray1,VT98
(R) ADD	201 Fill 970	SolvRes1	5 @ Tray1,VT98
(R) ADD	201 Fill 980	SolvRes1	6 @ Tray1,VT98
(R) ADD	201 Fill 985	SolvRes1	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2b	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3b	14 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4b	14 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5b	14 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6b	14 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7b	14 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2b	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3b	13 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4b	13 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5b	13 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6b	13 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7b	13 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	ISTD	11 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	ISTD c	11 @ Tray1,VT98	7 @ Tray1,VT98
END			

DIM0217

DI

Analytical Standard Record
U.S. EPA Region 3
1200053

std_Org_analytical.rpt

Description:	ERG 1-methylnaphthalene	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/24/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB79536
Vials:	1	Received:	01/18/2012
Reagent Purity Checked	EPS	Mfgr Expiration:	10/28/2013

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	2000	ug/mL

NOTEBOOK INSERT LABEL

1-Methylnaphthalene 4-8162
Lot: LB79536 EXP: OCT/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/18/12

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200113

std_Org_analytical.rpt

Description:	ERG 2-ME_020812 (SS)	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Ultra
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1932	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200112	2-methoxyethanol	01/19/2012	08/06/2012	** Vendor **	Ultra	WRK 190R	966000	0.02

Prepared By: ERD
Prepared Date: 1/26/12
Expiration Date: 7/2012
SNB364 Certificate of Analysis

Solvent/Barcode: $MeCl_2$/13895
Reagent Purity: ERD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
H-0015	500	25	1.0	1MNSCV-012612

Comments: _____

BNA (SVOC's) Technical Review Checklist (TRC) Checklist

For Internal Use Only

Site Name: OTmock WO#: 1202004
Analyst: Eric Greybill Date given to Reviewer: 2/22/12
Matrix (circle): Solid / Aqueous / Other: SOP: R3-QA201
Program (circle): Superfund / RCRA / WPD (NPDES) / SDWA / Other:

-30, -31, -32

The signature below indicates the following:

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

Peer Reviewer signature Steve Dedney Date accepted 3-1-12

If any data for this case is stored with another case file, give Site Name and WO:

Peer Reviewer Completes Section Below:

General:	YES	NO	Comments
Raw data is identified with sample ID, site name, WO#, analyst name, date of analysis.	✓		
Quality Control:			
Instrument Conditions:			
DFTPP frequency and acceptance criteria met	✓		
Initial curve acceptable	✓		
Continuing calibration acceptable	✓		
Internal standard area counts within criteria	✓		
Lab blank frequency and acceptance criteria met	✓		
Second source (QCS/LCS) acceptable	✓		
B.S. frequency and acceptance criteria met	✓		outliers noted
Sample Analysis:			
Surrogate recovery acceptance criteria met	✓		
Matrix spike frequency and accept. criteria met	✓		
Technical holding times met	✓		
Documentation:			
Run logs, supporting documentation reviewed	✓		
Sample preparation described	✓		
Spectral and retention time verification	✓		
Manual integration verified and documented	✓		
Data qualified as appropriate	✓		
Documentation is legible and complete	✓		
TICS reviewed	✓		
Narrative reviewed	✓		all attached comments

going to try to match Cindy's comments ERJ 2/28/12

Calculations/Report:

Calculations and transcriptions checked	✓		
Element Draft Report reviewed	✓		
Deviations and problems documented	✓		
Problematic Compounds Reviewed/Verified	✓		

Additional Comments by Peer Reviewer:

① See comments on TRC for samples 01 thru 28 for narrative fixes

② See comments for STD Restec Vendor cmpcs on TRC w/ samples 01 thru 28 ERJ 2/28/12

Analyst Ensures that the Data Case File is Complete and Accurate:

- ✓ Sample list (bench sheet or work order report)
- ✓ Sample prep / Instrument run logs
- ✓ Standard/Reagent prep logs
- ✓ Perform necessary calculations
- ✓ Raw data
- ✓ Element Peer Review report
- ✓ Data status set to analyzed
- ✓ Check Internal Std Area counts

Additional Comments by Analyst on data issues:

BS1 NO 2,4-dinitrophenol ✓, 4,6-dinitro-2-methylphenol ✓, 3,3'-dichlorobenzidine ✓,
~~NO~~ 2-methoxyethanol ✓ – raise QL
ERJ 2/28/12 pentachlorophenol ✓ low
ISTDs low in -32 for 1st surrogate → UJ

CCV 3out: bis(2-chloroisopropyl)ether, 2,4-dinitrophenol, di-N-octyl phthalate
initial cal 5out: Naphthalene, Acenaphthylene, 2,4-dinitrophenol, fluorene, Anthracene
SCV 8out but 5out by less than 1%: N-Nitrosodimethylamine, Naphthalene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, N-Nitrosodiphenylamine, Anthracene, di-N-butyl phthalate, 3,3'-dichlorobenzidine

On-Demand Data Checklist
(used in addition to routine TRC)
For Internal Use Only

Parameter: SVOCs
Procedure/Method/Reference: Writeup | CLP | 3520C

Site Name: DFMOCK WO#: 1202004
Analyst: Eric Graybill

The signature below indicates the following:
• The analysis was performed as per the On-Demand requirements below.

Peer Reviewer signature [signature] Date accepted 3-1-12

Peer Reviewer Completes Section Below:

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

Quality Control:	**YES**	**NO**	**N/A**	**Comments**
A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.	✓			
Calibration of the instrumentation or analytical procedure must be according to the method or procedure.	✓			
Calibration verified by analysis of second source standard (SCV, SRM), if available. Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.	✓			
Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.	✓			
Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, a BS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.	✓			
Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g, insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be				

within the method, procedure, client or in-house limits. ✓ ___ ___ ___

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits. ✓ ___ ___ ___

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires should be analyzed. Results must be within the method or, procedure limits. ✓ ___ ___ ___

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file. ✓ ___ ___ ___

Additional Comments:

Appendix C

Manual Integration Summary Form

Site Name: QTMOCK Work Order Number: 1202065

Check all reasons that apply:

( ) Manual integration performed to properly integrate unresolved peaks.

( ) Manual integration performed to separate closely eluting peaks with the same quantitation ion.

( ) Manual integration performed to remove coeluting interferent.

( ) Manual integration performed to add a non-detected peak.

(✓) Manual integration performed to identify correct peak.

( ) Manual integration performed due to peak splitting.

( ) Manual integration performed due to failure of the instrument response to return to baseline or a rise in the baseline.

( ) Manual integration performed to employ peak skimming due to coeluting peaks.

( ) Manual integration performed due to poor chromatography (peak shape).

Additional Notes:

Analyst: Eric Graybill/[illegible] Date: 2/22/12

Peer Reviewer: Steve Wilding Date: 2/24/12

Rev. 5/4/11

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Summary of Results / Project Information

7500

On Demand Analysis: SVOCs by GC/MS
Submitted by Eric Graybill, OASQA Chemist
2/2/2012

All samples are extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D.

Analytes

Samples are analyzed for Acenaphthene (CAS # 83-32-9), Acnapthtylene (CAS# 208-96-8), Acetophenone (CAS# 98-52-4), Acetophenone (CAS #98-52-4), Anthracene (CAS #120-12-7), Atrazine (CAS #1912-24-9), Benzaldehyde (CAS #100-52-7), Benzo(a)anthracene (CAS #56-55-3), Benzo(a)pyrene (CAS #50-32-8), Benzo(b)fluoranthene (CAS #205-99-2), Benzo(g,h,i)perylene (CAS #191-24-23); Benzo(k)fluoranthene (CAS #207-08-9), 1,1'-Biphenyl (CAS #92-52-4), bis(2-Chloroethoxy)methane (CAS #111-91-1), bis(2-Chloroethyl)ether (CAS #111-44-4), bis(2-Chloroisopropyl)ether (CAS #108-60-1), bis(2-Ethylhexyl)phthalate (CAS #117-81-7), 4-Bromophenylphenylether (CAS #101-55-3), Butylbenzylphthalate (CAS #85-68-7), Carbazole (CAS #86-74-8), Caprolactam (CAS #105-60-2), 4-Chloroaniline (CAS #106-47-8), 4-Chloro-3-methylphenol (CAS #59-50-7), 2-Chloronaphthalene (CAS #91-58-7), 2-Chlorophenol (CAS #95-57-8), 4-Chlorophenylphenylether (CAS #7005-72-3), Chrysene (CAS #218-01-9), Dibenzo(a,h)anthracene (CAS #53-70-3), Dibenzofuran (CAS #132-64-9), 3,3'-Dichlorobenzidine (CAS #91-94-1), 2,4-Dichlorophenol (CAS #120-83-2), Diethylphthalate (CAS #84-66-2), 2,4-Dimethylphenol (CAS #105-67-9), Dimethylphthalate (CAS #131-11-3), Di-n-Butylphthalate (CAS #87-74-2), 4,6-Dinitro-2-methylphenol (CAS #534-52-1), 2,4,-Dinitrophenol (CAS #51-28-52), 2,4-Dinitrotoluene (CAS #121-14-2), 2,6-Dinitrotoluene (CAS #606-20-2), Di-n-Octylphthalate (CAS #117-84-0), Fluoranthene (CAS #206-44-0), Fluorene (CAS #86-73-7), Hexachlorobenzene (CAS #118-74-1), Hexachlorobutadiene (CAS #87-68-3), Hexachlorocyclopentadiene (CAS #77-47-4), Hexachloroethane -(CAS #67-72-1), Indeno(1;2,3-cd)pyrene (CAS #193-39-5), Isophorone (CAS #78-59-1), 2-Methylnaphthalene (CAS #91-57-6), 2-Methylphenol (CAS #95-48-7), 4-Methylphenol (CAS #106-44-5), Naphthalene (CAS #91-20-3), 2-Nitroaniline (CAS #88-74-4), 3-Nitroaniline (CAS #99-09-2), 4-Nitroaniline (CAS #100-01-6), Nitrobenzene (CAS #98-95-3), 2-Nitrophenol (CAS #88-75-5), 4-Nitrophenol (CAS #100-02-7), N-Nitrosodimethylamine (CAS #62-75-9), N-Nitroso-di-n-propylamine (CAS #921-64-7), N-Nitrosodiphenylamine (CAS #86-30-6), Pentachlorophenol (CAS #87-86-5), Phenanthrene (CAS #85-01-8), Phenol (CAS #108-95-2), Pyrene (CAS #129-00-0), 1,2,4,5-Tetrchlorobenzene (CAS #95-94-3), 2,4,5-Trichlorophenol (CAS #95-95-4), 2,4,6-Trichlorophenol (CAS #88-06-2), 2,3,4,6-Tetrachlorophenol (CAS #58-90-2), 2-Methoxyethanol (CAS #109-86-4), and 1-Methylnapthalene (CAS #90-12-0).

Instrumentation

Agilent 6890/5975 GCMS with a HP-5MS (Agilent Part# 19091S-433) 30 meter by 0.25 mm diameter by 0.25 micron film. The Oven temperature uses an initial temperature of 50 °C and hold 0.5 minutes, ramp at 23 °C/min to 290, and ramp at 15 °C/min to 320 and hold for 4.50 minutes. A constant flow of 1.2 mL/min using pulsed splitless with initial temperature of 250 °C, pressure of 9.78 psi, pulse pressure of 30 psi, pulse time of 0.4 minutes, purge flow of 60 mL/min, purge time of 0.4 minutes, and total flow of 63.8 mL/min. Mass Spectrum is scanned from 35 m/z to 500 m/z with a MS source temperature of 230 °C, and MS Quad of 150 °C.

QC Notes
The following internal standards are used 1,4-dichlorobenzene-d4 (CAS # 3855-82-1), Naphthalene-d8 (CAS # 1146-65-2), Acenaphthene-d10 (CAS# 15067-26-2), Phenanthrene-d10 (CAS# 1517-22-2), Chrysene-d12 (CAS# 719-03-5), and Perylene-d12 (CAS# 1520-96-3). Surrogates used are Phenol-d5 (CAS# 4165-62-2), 2-Fluorophenol (CAS# 367-12-4), 2,4,6-Tribromophenol (CAS# 118-79-6), Nitrobenzene-d5 (CAS# 4165-60-0), 2-Fluorobiphenyl (CAS# 321-60-8), and Terphenyl-d14 (CAS# 1718-51-0).

Acceptable RRFs are 20%.; Other compounds with higher RRFs are Benzaldehyde (40%), bis(2-Chloroisopropyl)ether (35%), Acetophenone (40%), 4-Chloroaniline (40%), Hexachlorobutadiene (35%), Caprolactam (40%), 1,2,4,5-Tetrachlorobenzene (40%), Hexachlorocyclopentadiene (35%), 1,1'-Biphenyl (40%), 2-Nitroaniline (40%), Dimethylphthalate (35%), 3-Nitroaniline (40%), 2,4-Dinitrophenol (35%), 4-Nitrophenol (35%), Diethylphthalate (35%), 4-Nitroaniline (40%), 4,6-Dinitro-2-methylphenol (35%), N-Nitrosodiphenylamine (35%), Atrazine (40%), Carbazole (40%), Di-n-butylphthalate (35%), Butylbenzylphthalate (35%), 3,3'-Dichlorobenzidine (35%), bis(2-Ethylhexyl)phthalate (35%), and Di-n-octylphthalate (35%).

A continuing calibration is run at the midrange of the curve (60 ppb – 40 ppb). Acceptable continuing calibration RPD is +/- 20%. The following compounds are higher than 20%: Benzaldehyde (+/- 40%), Acetophenone (+/- 40%), 4-Methylphenol (+/- 25%), 4-Chloroaniline (+/- 40%), Caprolactam (+/- 40%), 2-Methylnaphthalene (+/- 25%), 1,2,4,5-Tetrachlorobenzene (+/- 40%), 2,4,5-Trichlorophenol (+/- 25%), 1,1-Biphenyl (+/- 40%), 2-Nitroaniline (+/- 40%), 3-Nitroaniline (+/- 40%), 2,3,4,6-Tetrachlorophenol (+/- 25%), Dibenzofuran (+/- 25%), 4-Nitroaniline (+/- 40%), Atrazine (+/- 40%), and Carbazole (+/- 40%).
Limits for surrogate recoveries are Phenol-d5 (10-110%), 2-Fluorophenol (21-110%), 2,4,6-Tribromophenol (10-123%), Nitrobenzene-d5 (35-114%), 2-Fluorobiphenyl (43-116%), and Terphenyl-d14 (33-141%).

DFTPP acceptance criteria are as follows: Mass 51 30 – 60% of mass 198, Mass 68 Less than 2% of mass 69, Mass 69 present, Mass 70 Less than 2% of mass 69, Mass 127 40 – 60% of mass 198, Mass 197 Less than 1% of mass 198, Mass 198 Base peak, 100% relative abundance, Mass 199 5 – 9% of mass 198, Mass 275 10 – 30% of mass 198, Mass 365 Greater than 1% of mass 198, Mass 441 Present but less than mass 443, Mass 442 Greater than 40% of mass 198, and Mass 443 17 – 23% of mass 442.

Calibration
Initial calibration standard is prepared from Restek Stocks (OLM 01.1 Revised SV Megamix (Cat #31900), Additions Standard (Cat #31902), and N-Nitrosodimethylamine Standard (Cat #31427)) from 5 ppb – 80 ppb (5 ppb, 10 ppb, 20 ppb, 40 ppb, 60 ppb, and 80ppb). Internal standards were added using Restek (Cat# 31206) at 20 ppb. Surrogates were added using Restek B/N Surrogate Mix (Cat# 31062) at 50ppb and Restek Acid Surrogate Mix (Cat# 31063) at 100 pbb.
2-Methoxyethanol (5 ppb – 77 ppb; 5 ppb, 10 ppb, 19 ppb, 39 ppb, 58 ppb, and 77 pbb) and 1-Methylnapthalene (5 ppb – 80 ppb; 5 ppb, 10 ppb, 20 ppb, 40 ppb, 60 ppb, and 80ppb) were

prepared in a separate curve using Supleco (Cat# 4-8162) and AccuStandard (Cat# PS-160-01-9766).

A second source was prepared at 60 ppb from Supelco Stocks (TCL Base-Neutrals Mix 1 (Cat #48900-U), TCL Base-Neutrals Mix 2 (Cat# 48120-U), 3,3-Dicholorbenzidine (Cat #48029), TCL Hazardous Substances Mix 1 (Cat# 488907), TCL Hazardous Substances Mix 2 (Cat #48908), TCL Phenols Mix (Cat# 48904), and TCL PAHs (Cat #48904), and EPA CLP SOW OLM04 BNA Mix (Cat #47514-U). No second source was available for 2-Methoxyethanol. 1-Methylnaphthalne second source was from AccuStandard (Cat# H-001S). A second source was not used for 1,2,4,5-Tetrachlorobenzene and 2,3,4,6-Tetrachlorophenol.

4-methylphenol and 3-methylphenol coelute and have identical ion spectrum. The Restek stock (OLM 01.1 Revised SV Megamix (Cat #31900)) contains both with each at half the concentration of the other analytes so when summed together a concentration the same as the other analytes. The Supelco stock TCL Hazardous Substances Mix 1 (Cat# 488907) contains only 4-methylphenol. It has been chosen to report as 4-methylphenol.

Integration Information
Chemstation software adds the letter "m" to indicate a manual integration. The OASQA manual integration checklist is included in the case file.

Extraction
A 1-L aliquot is acidified to a pH of 2.0 and a solution of surrogates (1.0 mL at 100/50 ug/mL) is added before extraction with methylene chloride using continuous liquid-liquid extraction. The extract is concentrated to 1 mL, internal standards are added, and then analyzed by GC/MS.

Matrix Spikes and Blank Spikes
A low spike (5 ppb) and a mid spike (60 ppb) are performed with every set of samples. The Matrix Spike and Matrix Spike Duplicate are spiked at the 60 ppb level. Matrix Spike and Matrix Spike Duplicate requires additional sample volume and is not always provided.

16 compounds plus 2-Methoxyethanol and 1-Methylnaphthalne are reported with the following percent recovery criteria: Phenol 12-110%, 2-Chlorophenol 27-123%, 4-Nitrophenol 10-80%, Pentachlorophenol 9-103%, 4-Chloro-3-methylphenol 23-97%, Benzo(a)pyrene 17-163%, Bis(2-chloroethyl)ether 12-158%, Diethyl phthalate 10-114%, 2,4-Dinitrotoluene 24-96%, Hexachlorobenzene 10-152%, Hexachloroethane 40-113%, Isophorone 21-196%, Naphthalene 21-133%, N-Nitroso-di-n-propylamine 41-116%, N-Nitrosodiphenylamine 30-150%, 4-Chloroaniline 30-150%, 2-Methoxyethanol 30-150%, and 1-Methylnaphthalne 30-150%.

In addition other compounds are examined for acceptable recovery as provided: Acenaphthene 60.1-132.3%, Acenaphthylene 53.5-126.0%, Acetophenone 30-150%, Anthracene 43.4-118.0%, Atrazine 30-150%, Benzaldehyde 30-150%, Benzo[a]anthracene 41.8-133.0%, Benzo[b]fluoranthene 42.0-140.4%, Benzo[k]fluoranthene 25.2-145.7%, Benzo[g,h,i]perylene D-195.0%, 1,1'-Biphenyl 30-150%, Bis(2-chloroethoxy)methane 49.2-164.7%, Bis(2-chloroisopropyl)ether 62.8-138.6%, Bis(2-ethylhexyl)phthalate 28.9-136.8%, 4-Bromophenyl-phenylether 64.9-114.4%, Butylbenzylphthalate D-139.9%, Caprolactam 30-150%, Carbazole

30-150%, 2-Chloronaphthalene 64.5-113.5%, 4-Chlorophenyl-phenylether 38.4-144.7%, Chrysene 44.1-139.9%, Dibenzo[a,h]anthracene D-199.7%, Dibenzofuran 30-150%, 3,3'-Dichlorobenzidine 8.2-212.5%, 2,4-Dichlorophenol 52.5-121.7%, 2,4-Dimethylphenol 41.8-109.0%, Dimethylphthalate D-100.0%, Di-n-butylphthalate 8.4-111.0%, 4,6-Dinitro-2-methylphenol 53.0-100.0%, 2,6-Dinitrotoluene 68.1-136.7%, 2,4-Dinitrophenol D-172.9%, Di-n-octylphthalate 18.6-131.8%, Fluoranthene 42.9-121.3%, Fluorene 71.6-108.4%, Hexachlorobutadiene 37.8-102.2%, Hexachlorocyclopentadiene D-104%, Indeno[1,2,3-cd]pyrene D-150.9%, 2-Methylnaphthalene 30-150%, 2-Methylphenol 30-150%, 4-Methylphenol 30-150%, 2-Nitroaniline 30-150%, 3-Nitroaniline 30-150%, 4-Nitroaniline 30-150%, Nitrobenzene 54.3-157.6%, 2-Nitrophenol 45.0-166.7%, N-Nitrosodimethylamine 30-150%, Phenanthrene 65.2-108.7%, Pyrene 69.6-100.0%, 2,4,5-Trichlorophenol 30-150%, and 2,4,6-Trichlorophenol 52.4-129.2%.

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Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #: DAS R33907**

Report Narrative

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Site Name: Dimock Residential Groundwater	Project #: DAS R33907

Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes: EDIT
This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1201015-06 thru -10, 1201015-12, -14, -16, -18, -20, -22, -27, -29, -32, -34, -36, -38, -40, -42 and -44 are not included in this report since these samples were designated for Metals and Mercury analyses only.

For Work Order 1201015 - **This is Report 2 of 3.**
Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

All samples were received intact and at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

SVOAs Analysis Note:
All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic, the results from the HPLC/MS/MS technique should be used for these samples.

For most samples, quantitation limits for 2-methoxyethanol, 3,3'-dichlorobenzidine, and 2,4-dinitrophenol are elevated due to zero percent recovery in the low-spike quality control check. For a few samples, quantitation limits for 4,6-dinitro-2-methylphenol are elevated due to zero percent recovery in the low-spike quality control check. For several samples quantitation limit for 4-chloroaniline, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol , and pentachlorophenol are qualified estimated "UJ" due to low percent recovery in the low-spike quality control check. Results for the mid-level quality control check are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For sample 1202004-29 due to zero percent recovery in the mid-spike quality control check the results for 2-methoxyethanol and 3,3'-dichlorobenzidine are qualified "R".

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Report Narrative

The mid-spike quality control check broke during extraction and was not analyzed. A mid-spike quality control check was extracted and analyzed with two other batches in the 1202004 work order.

The matrix spike duplicate had multiple %RSD out of limit and were qualified "A". This is due to the matrix spike having low recovery due to dilution with sample 1202004-29 after concentrating. Sample 1202004-29 was reextracted.

Four out of six surrogates were out of limits low in sample 1202004-08 and qualified "A" while quantitation limits are qualified estimated "UJ" for all nondected analytes. Low internal standard counts were observed in sample 1202004-32 and n-nitrosodimethylamine, benzaldehyde, phenol, bis(2-chloroethyl)ether, 2-chlorophenol, 2-methylphenol, bis(2-chloroisopropyl)ether, acetophenone, 4-methylphenol, hexachloroethane, n-nitroso-di-n-propylamine, and 1-methylnaphthalene are qualified estimated "UJ".

In the report, only 16 compounds are reported for spike quality control check samples. Quality control information about the additional compounds is available in the case file.

VOA Analysis Note:
Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 140%. A mid level second source blank spike analyzed at a concentration of 5 ug/L had a recovery of 95%. A matrix spike and matrix spike duplicate pair was prepared using sample 1202004-28 at a concentration of 5 ppb acrylonitrile with recoveries of 109% and 109 %, RPD=0. A second matrix spike and matrix spike duplicate pair was prepared using sample 1202004-30 at a concentration of 5 ppb acrylonitrile with recoveries of 110% and 101 %, RPD=9.

2-Chloroethylvinyl ether is not included in the analysis. 2-Chloroethylvinyl ether breaks down in acidified samples.

Alcohols Analysis Note:
All required instrument QC was run and was within the required criteria.

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW48	1202004-01	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW48z	1202004-03	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW21	1202004-06	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW21z	1202004-08	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW23-P	1202004-11	Drinking Water	2/08/12 15:39	2/10/12 11:20
HW22	1202004-13	Drinking Water	2/09/12 10:42	2/10/12 11:20
HW23	1202004-15	Drinking Water	2/08/12 15:42	2/10/12 11:20
HW22-P	1202004-17	Drinking Water	2/09/12 10:50	2/10/12 11:20
HW36n	1202004-21	Drinking Water	2/10/12 10:53	2/11/12 10:04
HW49	1202004-22	Drinking Water	2/09/12 14:11	2/11/12 10:04
HW16-P	1202004-23	Drinking Water	2/10/12 11:37	2/11/12 10:04
HW54-P	1202004-24	Drinking Water	2/10/12 14:30	2/11/12 10:04
FB14	1202004-25	Water	2/09/12 13:36	2/11/12 10:04
HW16z	1202004-26	Drinking Water	2/10/12 11:22	2/11/12 10:04
HW16	1202004-27	Drinking Water	2/10/12 11:21	2/11/12 10:04
HW44	1202004-28	Drinking Water	2/09/12 14:49	2/11/12 10:04
HW49-P	1202004-29	Drinking Water	2/09/12 14:26	2/11/12 10:04
HW36n-P	1202004-30	Drinking Water	2/10/12 11:02	2/11/12 10:04
FB15	1202004-31	Water	2/10/12 11:21	2/11/12 10:04
HW54	1202004-32	Drinking Water	2/10/12 14:08	2/11/12 10:04

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW48
Lab ID: 1202004-01
Sample Matrix: Drinking Water
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 14:48	R3QA201
Diethyl phthalate	0.013	B, J	4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 14:48	R3QA201
Di-n-butyl phthalate	0.252	B, J	4.76	1	02/12/12	02/15/12 14:48	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 14:48	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW48
Lab ID: 1202004-01
Sample Matrix: Drinking Water
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 14:48	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 14:48	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	69.4		73 %	*21-110*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: Phenol-d5	74.3		78 %	*10-110*	02/12/12	02/15/12 14:48	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48	**Lab ID:** 1202004-01
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	35.7		75 %	*35-114*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.6		77 %	*43-116*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.3		77 %	*10-123*	02/12/12	02/15/12 14:48	*R3QA201*
Surrogate: Terphenyl-d14	39.4		83 %	*33-141*	02/12/12	02/15/12 14:48	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW48z
Lab ID: 1202004-03
Sample Matrix: Drinking Water
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 15:38	R3QA201
Diethyl phthalate	0.012	B, J	4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 15:38	R3QA201
Di-n-butyl phthalate	0.417	B, J	4.76	1	02/12/12	02/15/12 15:38	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 15:38	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW48z
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-03
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 15:38	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 15:38	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.9		65 %	*21-110*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: Phenol-d5	70.7		74 %	*10-110*	02/12/12	02/15/12 15:38	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48z	**Lab ID:** 1202004-03
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.0		**71 %**	*35-114*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.0		**76 %**	*43-116*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.1		**77 %**	*10-123*	02/12/12	02/15/12 15:38	*R3QA201*
Surrogate: Terphenyl-d14	38.3		**80 %**	*33-141*	02/12/12	02/15/12 15:38	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 16:29	R3QA201
Diethyl phthalate	0.017	B, J	5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 16:29	R3QA201
Di-n-butyl phthalate	0.509	B, J	5.00	1	02/12/12	02/15/12 16:29	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 16:29	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 16:29	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 16:29	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	73.4		73 %	*21-110*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: Phenol-d5	77.7		78 %	*10-110*	02/12/12	02/15/12 16:29	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	38.2		**76 %**	*35-114*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: 2-Fluorobiphenyl	40.2		**80 %**	*43-116*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	80.3		**80 %**	*10-123*	02/12/12	02/15/12 16:29	*R3QA201*
Surrogate: Terphenyl-d14	42.0		**84 %**	*33-141*	02/12/12	02/15/12 16:29	*R3QA201*

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DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW21z
Lab ID: 1202004-08
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Acenaphthylene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Acetophenone	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Atrazine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Bromophenyl phenyl ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Carbazole	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Caprolactam	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Chrysene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dibenz(a,h)anthracene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dibenzofuran	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 17:19	R3QA201
Diethyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dimethylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Dimethyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Di-n-butyl phthalate	0.471	B, J	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 17:19	R3QA201
2,4-Dinitrotoluene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,6-Dinitrotoluene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Di-n-octyl phthalate	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201

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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21z	**Lab ID:** 1202004-08
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Fluorene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorobutadiene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Hexachloroethane	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Isophorone	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 17:19	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methylnaphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Methylphenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Naphthalene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
3-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Nitroaniline	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Nitrobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2-Nitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
4-Nitrophenol	U	UJ	10.0	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 17:19	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 17:19	R3QA201
Phenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
Pyrene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4,5-Trichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201
2,4,6-Trichlorophenol	U	UJ	5.00	1	02/12/12	02/15/12 17:19	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	0.384	*A*	**0.4 %**	*21-110*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: Phenol-d5	5.68	*A*	**6 %**	*10-110*	02/12/12	02/15/12 17:19	*R3QA201*

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21z	**Lab ID:** 1202004-08
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	1.71	*A*	**3 %**	*35-114*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: 2-Fluorobiphenyl	17.2	*A*	**34 %**	*43-116*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	78.5		**78 %**	*10-123*	02/12/12	02/15/12 17:19	*R3QA201*
Surrogate: Terphenyl-d14	44.8		**90 %**	*33-141*	02/12/12	02/15/12 17:19	*R3QA201*

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Site Name: Dimock Residential Groundwater
Station ID: HW23-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-11
Date Collected: 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 18:10	R3QA201
Diethyl phthalate	0.014	B, J	5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 18:10	R3QA201
Di-n-butyl phthalate	0.356	B, J	5.00	1	02/12/12	02/15/12 18:10	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 18:10	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23-P	**Lab ID:** 1202004-11
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 18:10	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 18:10	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	70.3		70 %	*21-110*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: Phenol-d5	77.4		77 %	*10-110*	02/12/12	02/15/12 18:10	*R3QA201*

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23-P	**Lab ID:** 1202004-11
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	37.3		75 %	*35-114*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: 2-Fluorobiphenyl	38.4		77 %	*43-116*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	78.5		79 %	*10-123*	02/12/12	02/15/12 18:10	*R3QA201*
Surrogate: Terphenyl-d14	41.6		83 %	*33-141*	02/12/12	02/15/12 18:10	*R3QA201*

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701 Mapes Road
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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW22
Lab ID: 1202004-13
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Bis(2-ethylhexyl)phthalate	0.055	B, J	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 19:00	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 19:00	R3QA201
Di-n-butyl phthalate	0.292	B, J	4.76	1	02/12/12	02/15/12 19:00	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 19:00	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22	**Lab ID:** 1202004-13
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 19:00	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:00	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	50.3		53 %	*21-110*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: Phenol-d5	59.0		62 %	*10-110*	02/12/12	02/15/12 19:00	*R3QA201*

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22	**Lab ID:** 1202004-13
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	27.9		**59 %**	*35-114*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: 2-Fluorobiphenyl	30.9		**65 %**	*43-116*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	59.1		**62 %**	*10-123*	02/12/12	02/15/12 19:00	*R3QA201*
Surrogate: Terphenyl-d14	29.7		**62 %**	*33-141*	02/12/12	02/15/12 19:00	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23	**Lab ID:** 1202004-15
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Atrazine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Bis(2-ethylhexyl)phthalate	0.067	B, J	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Carbazole	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Chrysene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/15/12 19:50	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/15/12 19:50	R3QA201
Di-n-butyl phthalate	0.541	B, J	4.76	1	02/12/12	02/15/12 19:50	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/15/12 19:50	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23	**Lab ID:** 1202004-15
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Fluorene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Isophorone	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/15/12 19:50	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Phenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
Pyrene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/15/12 19:50	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.2		64 %	*21-110*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: Phenol-d5	71.2		75 %	*10-110*	02/12/12	02/15/12 19:50	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW23	**Lab ID:** 1202004-15
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	36.7		**77 %**	*35-114*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.0		**76 %**	*43-116*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	70.0		**74 %**	*10-123*	02/12/12	02/15/12 19:50	*R3QA201*
Surrogate: Terphenyl-d14	38.6		**81 %**	*33-141*	02/12/12	02/15/12 19:50	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW22-P
Lab ID: 1202004-17
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 20:41	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 20:41	R3QA201
Di-n-butyl phthalate	0.335	B, J	5.00	1	02/12/12	02/15/12 20:41	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 20:41	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22-P	**Lab ID:** 1202004-17
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 20:41	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 20:41	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	77.7		78 %	*21-110*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: Phenol-d5	77.4		77 %	*10-110*	02/12/12	02/15/12 20:41	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22-P	**Lab ID:** 1202004-17
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	41.9		**84 %**	*35-114*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: 2-Fluorobiphenyl	38.6		**77 %**	*43-116*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	81.4		**81 %**	*10-123*	02/12/12	02/15/12 20:41	*R3QA201*
Surrogate: Terphenyl-d14	42.3		**85 %**	*33-141*	02/12/12	02/15/12 20:41	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n	**Lab ID:** 1202004-21
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Atrazine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Carbazole	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Chrysene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/15/12 21:31	R3QA201
Diethyl phthalate	0.013	B, J	5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/15/12 21:31	R3QA201
Di-n-butyl phthalate	0.368	B, J	5.00	1	02/12/12	02/15/12 21:31	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/15/12 21:31	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201

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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n	**Lab ID:** 1202004-21
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Fluorene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Isophorone	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/15/12 21:31	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Phenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
Pyrene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/15/12 21:31	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	63.2		63 %	*21-110*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: Phenol-d5	70.6		71 %	*10-110*	02/12/12	02/15/12 21:31	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n	**Lab ID:** 1202004-21
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.1		**68 %**	*35-114*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: 2-Fluorobiphenyl	30.3		**61 %**	*43-116*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	84.5		**84 %**	*10-123*	02/12/12	02/15/12 21:31	*R3QA201*
Surrogate: Terphenyl-d14	36.2		**72 %**	*33-141*	02/12/12	02/15/12 21:31	*R3QA201*

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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater
Station ID: HW49
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-22
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 00:28	R3QA201
Diethyl phthalate	0.012	B, J	4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 00:28	R3QA201
Di-n-butyl phthalate	0.911	B, J	4.76	1	02/12/12	02/16/12 00:28	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 00:28	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201

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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 00:28	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 00:28	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.3		64 %	*21-110*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: Phenol-d5	67.5		71 %	*10-110*	02/12/12	02/16/12 00:28	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	32.4		**68 %**	*35-114*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: 2-Fluorobiphenyl	33.4		**70 %**	*43-116*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.8		**68 %**	*10-123*	02/12/12	02/16/12 00:28	*R3QA201*
Surrogate: Terphenyl-d14	36.5		**77 %**	*33-141*	02/12/12	02/16/12 00:28	*R3QA201*

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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Bis(2-ethylhexyl)phthalate	0.049	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 01:18	R3QA201
Diethyl phthalate	0.010	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 01:18	R3QA201
Di-n-butyl phthalate	0.304	B, J	4.76	1	02/12/12	02/16/12 01:18	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 01:18	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 01:18	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 01:18	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.5		**70 %**	*21-110*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: Phenol-d5	71.1		**75 %**	*10-110*	02/12/12	02/16/12 01:18	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.5		70 %	*35-114*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.7		73 %	*43-116*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	65.3		69 %	*10-123*	02/12/12	02/16/12 01:18	*R3QA201*
Surrogate: Terphenyl-d14	36.1		76 %	*33-141*	02/12/12	02/16/12 01:18	*R3QA201*

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW54-P
Lab ID: 1202004-24
Sample Matrix: Drinking Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Atrazine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Bis(2-ethylhexyl)phthalate	0.028	B, J	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Carbazole	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Chrysene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/16/12 02:08	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/16/12 02:08	R3QA201
Di-n-butyl phthalate	0.203	B, J	5.00	1	02/12/12	02/16/12 02:08	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/16/12 02:08	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201

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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW54-P
Lab ID: 1202004-24
Sample Matrix: Drinking Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Fluorene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Isophorone	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/16/12 02:08	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Phenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
Pyrene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:08	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	40.7		**41 %**	*21-110*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: Phenol-d5	49.7		**50 %**	*10-110*	02/12/12	02/16/12 02:08	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54-P	**Lab ID:** 1202004-24
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	23.0		**46 %**	*35-114*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: 2-Fluorobiphenyl	26.1		**52 %**	*43-116*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	46.4		**46 %**	*10-123*	02/12/12	02/16/12 02:08	*R3QA201*
Surrogate: Terphenyl-d14	27.9		**56 %**	*33-141*	02/12/12	02/16/12 02:08	*R3QA201*

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Region 3 Environmental Science Center

Office of Analytical Services and Quality Assurance

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14	**Lab ID:** 1202004-25
Sample Matrix: Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Acenaphthylene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Acetophenone	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Atrazine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzaldehyde	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(a)anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(a)pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
1,1-Biphenyl	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Carbazole	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Caprolactam	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Chloronaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Chlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Chrysene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dibenzofuran	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/12/12	02/16/12 02:58	R3QA201
Diethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Dimethyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/12/12	02/16/12 02:58	R3QA201
Di-n-butyl phthalate	0.486	B, J	5.00	1	02/12/12	02/16/12 02:58	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/12/12	02/16/12 02:58	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14	**Lab ID:** 1202004-25
Sample Matrix: Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Fluorene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorobutadiene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Hexachloroethane	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Isophorone	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/12/12	02/16/12 02:58	R3QA201
1-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methylnaphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Methylphenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Naphthalene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
3-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Nitroaniline	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Nitrobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2-Nitrophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
4-Nitrophenol	U		10.0	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Pentachlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Phenanthrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Phenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
Pyrene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/12/12	02/16/12 02:58	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.6		67 %	*21-110*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: Phenol-d5	71.4		71 %	*10-110*	02/12/12	02/16/12 02:58	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center

Office of Analytical Services and Quality Assurance

701 Mapes Road

Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14	**Lab ID:** 1202004-25
Sample Matrix: Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.6		**67 %**	*35-114*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.1		**72 %**	*43-116*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.2		**64 %**	*10-123*	02/12/12	02/16/12 02:58	*R3QA201*
Surrogate: Terphenyl-d14	38.2		**76 %**	*33-141*	02/12/12	02/16/12 02:58	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16z	**Lab ID:** 1202004-26
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 03:49	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 03:49	R3QA201
Di-n-butyl phthalate	0.695	B, J	4.76	1	02/12/12	02/16/12 03:49	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 03:49	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW16z
Lab ID: 1202004-26
Sample Matrix: Drinking Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 03:49	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 03:49	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	63.9		67 %	*21-110*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: Phenol-d5	70.1		74 %	*10-110*	02/12/12	02/16/12 03:49	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16z	**Lab ID:** 1202004-26
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.1		**70 %**	*35-114*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.9		**73 %**	*43-116*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	68.0		**71 %**	*10-123*	02/12/12	02/16/12 03:49	*R3QA201*
Surrogate: Terphenyl-d14	38.4		**81 %**	*33-141*	02/12/12	02/16/12 03:49	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW16
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-27
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/12/12	02/16/12 04:39	R3QA201
Diethyl phthalate	0.014	B, J	4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 04:39	R3QA201
Di-n-butyl phthalate	0.438	B, J	4.76	1	02/12/12	02/16/12 04:39	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 04:39	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16	**Lab ID:** 1202004-27
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 04:39	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 04:39	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	68.3		72 %	*21-110*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: Phenol-d5	70.9		74 %	*10-110*	02/12/12	02/16/12 04:39	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16	**Lab ID:** 1202004-27
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.2		**70 %**	*35-114*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: 2-Fluorobiphenyl	34.5		**72 %**	*43-116*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	61.1		**64 %**	*10-123*	02/12/12	02/16/12 04:39	*R3QA201*
Surrogate: Terphenyl-d14	38.8		**81 %**	*33-141*	02/12/12	02/16/12 04:39	*R3QA201*

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Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW44
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-28
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Acenaphthylene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Acetophenone	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Atrazine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzaldehyde	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(a)anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(a)pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
1,1-Biphenyl	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Bis(2-ethylhexyl)phthalate	0.050	B, J	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Carbazole	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Caprolactam	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Chloronaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Chlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Chrysene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dibenzofuran	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
3,3'-Dichlorobenzidine	U		57.1	1	02/12/12	02/16/12 05:29	R3QA201
Diethyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Dimethyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/12/12	02/16/12 05:29	R3QA201
Di-n-butyl phthalate	0.328	B, J	4.76	1	02/12/12	02/16/12 05:29	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	1	02/12/12	02/16/12 05:29	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW44
Lab ID: 1202004-28
Sample Matrix: Drinking Water
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Fluorene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorobutadiene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Hexachloroethane	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Isophorone	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/12/12	02/16/12 05:29	R3QA201
1-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methylnaphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Methylphenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Naphthalene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
3-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Nitroaniline	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Nitrobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2-Nitrophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
4-Nitrophenol	U		9.52	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Pentachlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Phenanthrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Phenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
Pyrene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/12/12	02/16/12 05:29	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	58.2		61 %	*21-110*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: Phenol-d5	63.9		67 %	*10-110*	02/12/12	02/16/12 05:29	*R3QA201*

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW44	**Lab ID:** 1202004-28
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	30.2		**64 %**	*35-114*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: 2-Fluorobiphenyl	31.8		**67 %**	*43-116*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	58.1		**61 %**	*10-123*	02/12/12	02/16/12 05:29	*R3QA201*
Surrogate: Terphenyl-d14	35.6		**75 %**	*33-141*	02/12/12	02/16/12 05:29	*R3QA201*

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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW49-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-29
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Acenaphthylene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Acetophenone	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Anthracene	0.047	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Atrazine	0.043	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzaldehyde	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(a)anthracene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(a)pyrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
1,1-Biphenyl	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Bis(2-ethylhexyl)phthalate	0.066	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Butyl benzyl phthalate	0.060	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Carbazole	0.057	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Caprolactam	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Chloronaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Chlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Chrysene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dibenzofuran	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
3,3'-Dichlorobenzidine	U	R	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Diethyl phthalate	0.020	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Dimethyl phthalate	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Di-n-butyl phthalate	1.51	B, J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/16/12	02/22/12 17:03	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW49-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-29
Date Collected: 02/09/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	0.061	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
Fluorene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorobutadiene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Hexachloroethane	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Isophorone	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methoxyethanol	U	R	5.00	1	02/16/12	02/22/12 17:03	R3QA201
1-Methylnaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methylnaphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Methylphenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Naphthalene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Nitroaniline	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
3-Nitroaniline	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Nitroaniline	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Nitrobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2-Nitrophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
4-Nitrophenol	U		10.0	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Pentachlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Phenanthrene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Phenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
Pyrene	0.065	J	5.00	1	02/16/12	02/22/12 17:03	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/16/12	02/22/12 17:03	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	57.1		57 %	*21-110*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: Phenol-d5	65.5		66 %	*10-110*	02/16/12	02/22/12 17:03	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center

Office of Analytical Services and Quality Assurance

701 Mapes Road

Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-P	**Lab ID:** 1202004-29
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	29.0		**58 %**	*35-114*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: 2-Fluorobiphenyl	29.6		**59 %**	*43-116*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	60.3		**60 %**	*10-123*	02/16/12	02/22/12 17:03	*R3QA201*
Surrogate: Terphenyl-d14	31.3		**63 %**	*33-141*	02/16/12	02/22/12 17:03	*R3QA201*

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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-P	**Lab ID:** 1202004-30
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Acenaphthylene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Acetophenone	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Atrazine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzaldehyde	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(a)anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(a)pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
1,1-Biphenyl	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Bis(2-ethylhexyl)phthalate	0.137	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Carbazole	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Caprolactam	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chloroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Chloronaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Chlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Chrysene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dibenzofuran	0.014	J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
Diethyl phthalate	0.043	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Dimethyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dinitrophenol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
Di-n-butyl phthalate	0.394	B, J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201

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Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-P	**Lab ID:** 1202004-30
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Fluorene	0.016	J	4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorobutadiene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Hexachloroethane	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Isophorone	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/15/12	02/21/12 18:42	R3QA201
1-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Methylphenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Naphthalene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
3-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Nitroaniline	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Nitrobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2-Nitrophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
4-Nitrophenol	U		9.52	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Pentachlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Phenanthrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Phenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
Pyrene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 18:42	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	62.8		**66 %**	*21-110*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: Phenol-d5	59.3		**62 %**	*10-110*	02/15/12	02/21/12 18:42	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-P	**Lab ID:** 1202004-30
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.5		70 %	*35-114*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: 2-Fluorobiphenyl	33.5		70 %	*43-116*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	64.2		67 %	*10-123*	02/15/12	02/21/12 18:42	*R3QA201*
Surrogate: Terphenyl-d14	35.7		75 %	*33-141*	02/15/12	02/21/12 18:42	*R3QA201*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: FB15
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1202004-31
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Acenaphthylene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Acetophenone	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Atrazine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzaldehyde	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(a)anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(a)pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
1,1-Biphenyl	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Bis(2-ethylhexyl)phthalate	0.041	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Carbazole	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Caprolactam	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chloroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Chloronaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Chlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Chrysene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dibenzofuran	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
3,3'-Dichlorobenzidine	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
Diethyl phthalate	0.031	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Dimethyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dinitrophenol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
Di-n-butyl phthalate	0.368	B, J	4.76	1	02/15/12	02/21/12 19:32	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB15	**Lab ID:** 1202004-31
Sample Matrix: Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Fluorene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorobutadiene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Hexachloroethane	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Isophorone	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methoxyethanol	U	UJ	57.1	1	02/15/12	02/21/12 19:32	R3QA201
1-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Methylphenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Naphthalene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
3-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Nitroaniline	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Nitrobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2-Nitrophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
4-Nitrophenol	U		9.52	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Pentachlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Phenanthrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Phenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
Pyrene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 19:32	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	62.5		66 %	*21-110*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: Phenol-d5	69.8		73 %	*10-110*	02/15/12	02/21/12 19:32	*R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center

Office of Analytical Services and Quality Assurance

701 Mapes Road

Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB15	**Lab ID:** 1202004-31
Sample Matrix: Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	34.9		**73 %**	*35-114*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: 2-Fluorobiphenyl	36.3		**76 %**	*43-116*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	73.2		**77 %**	*10-123*	02/15/12	02/21/12 19:32	*R3QA201*
Surrogate: Terphenyl-d14	39.2		**82 %**	*33-141*	02/15/12	02/21/12 19:32	*R3QA201*

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701 Mapes Road
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Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW54
Lab ID: 1202004-32
Sample Matrix: Drinking Water
Date Collected: 02/10/2012

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Acenaphthylene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Acetophenone	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Atrazine	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(a)anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(a)pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
1,1-Biphenyl	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Bis(2-ethylhexyl)phthalate	0.047	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Carbazole	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Caprolactam	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chloroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Chloronaphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Chrysene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dibenzofuran	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
3,3'-Dichlorobenzidine	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
Diethyl phthalate	0.037	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Dimethyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dinitrophenol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
Di-n-butyl phthalate	0.306	B, J	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Fluoranthene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Fluorene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorobutadiene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Hexachloroethane	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Isophorone	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/15/12	02/21/12 20:23	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methylnaphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Naphthalene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
3-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Nitroaniline	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Nitrobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2-Nitrophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
4-Nitrophenol	U		10.0	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Pentachlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Phenanthrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
Phenol	U	UJ	5.00	1	02/15/12	02/21/12 20:23	R3QA201
Pyrene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 20:23	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	61.4		**61 %**	*21-110*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: Phenol-d5	68.5		**69 %**	*10-110*	02/15/12	02/21/12 20:23	*R3QA201*

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Nitrobenzene-d5	33.8		**68 %**	*35-114*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: 2-Fluorobiphenyl	35.5		**71 %**	*43-116*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: 2,4,6-Tribromophenol	69.7		**70 %**	*10-123*	02/15/12	02/21/12 20:23	*R3QA201*
Surrogate: Terphenyl-d14	40.6		**81 %**	*33-141*	02/15/12	02/21/12 20:23	*R3QA201*

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-01					
Station ID:	HW48					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 14:48	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-03					
Station ID:	HW48z					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 15:38	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-06					
Station ID:	HW21					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 16:29	R3QA201

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-08					
Station ID:	HW21z					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 17:19	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-11					
Station ID:	HW23-P					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 18:10	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-13					
Station ID:	HW22					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 19:00	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-15					
Station ID:	HW23					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
	None Detected	0.00			02/15/12 19:50	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-17					
Station ID:	HW22-P					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/15/12 20:41	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-21					
Station ID:	HW36n					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
000541-02-6	Cyclopentasiloxane, decamethyl-	2.47	T	5.09	02/15/12 21:31	R3QA201

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-22					
Station ID:	HW49					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 00:28	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-23					
Station ID:	HW16-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
NA	unknown	13.9	T	4.04	02/16/12 01:18	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-24					
Station ID:	HW54-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/16/12 02:08	R3QA201

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-25					
Station ID:	FB14					
Sample Matrix:	Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 02:58	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-26					
Station ID:	HW16z					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
10544-50-0	Cyclic octaatomic sulfur	26.2	T	10.26	02/16/12 03:49	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-27					
Station ID:	HW16					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1.97	T	3.07	02/16/12 04:39	R3QA201
10544-50-0	Cyclic octaatomic sulfur	22.4	T	10.07	02/16/12 04:39	R3QA201

DRAFT

Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-28					
Station ID:	HW44					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/16/12 05:29	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-29					
Station ID:	HW49-P					
Sample Matrix:	Drinking Water					
Collected:	02/09/2012					
	None Detected	0.00			02/22/12 17:03	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-30					
Station ID:	HW36n-P					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 18:42	R3QA201

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DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-31					
Station ID:	FB15					
Sample Matrix:	Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 19:32	R3QA201

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202004-32					
Station ID:	HW54					
Sample Matrix:	Drinking Water					
Collected:	02/10/2012					
	None Detected	0.00			02/21/12 20:23	R3QA201

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Blank (BB21201-BLK1)				Prepared: 02/12/12 09:57	Analyzed: 02/15/12 13:07					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.078	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.029	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.632	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Blank (BB21201-BLK1)				Prepared: 02/12/12 09:57		Analyzed: 02/15/12 13:07				
2,6-Dinitrotoluene	U	5.00	ug/L							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	2.44		"							T
Surrogate: 2-Fluorophenol	*68.5*		"	*100.00*		*68*	*21-110*			
Surrogate: Phenol-d5	*66.3*		"	*100.00*		*66*	*10-110*			
Surrogate: Nitrobenzene-d5	*36.6*		"	*50.000*		*73*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*37.5*		"	*50.000*		*75*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*73.1*		"	*100.00*		*73*	*10-123*			
Surrogate: Terphenyl-d14	*39.5*		"	*50.000*		*79*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
LCS (BB21201-BS1)				Prepared: 02/12/12 09:57		Analyzed: 02/15/12 13:57				
Benzo(a)pyrene	3.57	5.00	ug/L	5.0000		71	30-150			J
Bis(2-chloroethyl)ether	4.06	5.00	"	5.0000		81	30-150			J
4-Chloroaniline	1.04	5.00	"	5.0000		21	30-150			A, J
4-Chloro-3-methylphenol	4.40	5.00	"	5.0000		88	26-103			J
2-Chlorophenol	3.92	5.00	"	5.0000		78	25-102			J
Diethyl phthalate	4.67	5.00	"	5.0000		93	30-150			J
2,4-Dinitrotoluene	4.02	5.00	"	5.0000		80	28-89			J
Hexachlorobenzene	4.64	5.00	"	5.0000		93	30-150			J
Hexachlorobutadiene	3.89	5.00	"	5.0000		78	30-150			J
Hexachloroethane	3.63	5.00	"	5.0000		73	30-150			J
Isophorone	4.23	5.00	"	5.0000		85	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.78	5.00	"	5.0000		96	30-150			J
Naphthalene	4.66	5.00	"	5.0000		93	30-150			J
Nitrobenzene	4.24	5.00	"	5.0000		85	30-150			J
4-Nitrophenol	2.96	10.0	"	5.0000		59	11-114			J
N-Nitroso-di-n-propylamine	4.15	5.00	"	5.0000		83	41-126			J
N-Nitrosodiphenylamine	4.71	5.00	"	5.0000		94	30-150			J
Pentachlorophenol	0.876	5.00	"	5.0000		18	17-109			J
Phenol	4.01	5.00	"	5.0000		80	26-90			J
2,4,5-Trichlorophenol	4.33	5.00	"	5.0000		87	30-150			J
2,4,6-Trichlorophenol	4.19	5.00	"	5.0000		84	30-150			J
Surrogate: 2-Fluorophenol	*69.8*		"	*100.00*		*70*	*21-110*			
Surrogate: Phenol-d5	*77.3*		"	*100.00*		*77*	*10-110*			
Surrogate: Nitrobenzene-d5	*36.8*		"	*50.000*		*74*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*38.6*		"	*50.000*		*77*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*79.0*		"	*100.00*		*79*	*10-123*			
Surrogate: Terphenyl-d14	*40.2*		"	*50.000*		*80*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Matrix Spike (BB21201-MS1)		**Source: 1202004-28**		**Prepared: 02/12/12 09:57**		**Analyzed: 02/16/12 06:20**				
Benzo(a)pyrene	30.7	4.76	ug/L	57.143	0.00	54	30-150			
Bis(2-chloroethyl)ether	26.6	4.76	"	57.143	0.00	47	30-150			
4-Chloroaniline	27.2	4.76	"	57.143	0.00	48	30-150			
4-Chloro-3-methylphenol	32.0	4.76	"	57.143	0.00	56	26-103			
2-Chlorophenol	28.0	4.76	"	57.143	0.00	49	25-102			
Diethyl phthalate	32.4	4.76	"	57.143	0.00	57	30-150			
2,4-Dinitrotoluene	33.7	4.76	"	57.143	0.00	59	28-89			
Hexachlorobenzene	29.5	4.76	"	57.143	0.00	52	30-150			
Hexachlorobutadiene	26.4	4.76	"	57.143	0.00	46	30-150			
Hexachloroethane	23.8	4.76	"	57.143	0.00	42	30-150			
Isophorone	29.3	4.76	"	57.143	0.00	51	30-150			
2-Methoxyethanol	16.9	4.76	"	55.143	0.00	31	30-150			
1-Methylnaphthalene	31.9	4.76	"	57.143	0.00	56	30-150			
Naphthalene	28.8	4.76	"	57.143	0.00	50	30-150			
Nitrobenzene	27.9	4.76	"	57.143	0.00	49	30-150			
4-Nitrophenol	36.3	9.52	"	57.143	0.00	63	11-114			
N-Nitroso-di-n-propylamine	29.2	4.76	"	57.143	0.00	51	41-126			
N-Nitrosodiphenylamine	28.3	4.76	"	57.143	0.00	50	30-150			
Pentachlorophenol	29.1	4.76	"	57.143	0.00	51	17-109			
Phenol	26.3	4.76	"	57.143	0.00	46	26-90			
2,4,5-Trichlorophenol	30.4	4.76	"	57.143	0.00	53	30-150			
2,4,6-Trichlorophenol	30.6	4.76	"	57.143	0.00	53	30-150			
Surrogate: 2-Fluorophenol	*96.8*		"	*95.238*		*102*	*21-110*			
Surrogate: Phenol-d5	*100*		"	*95.238*		*105*	*10-110*			
Surrogate: Nitrobenzene-d5	*51.7*		"	*47.619*		*109*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*49.6*		"	*47.619*		*104*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*115*		"	*95.238*		*121*	*10-123*			
Surrogate: Terphenyl-d14	*53.0*		"	*47.619*		*111*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21201 - EPA 3520C SVOC										
Matrix Spike Dup (BB21201-MSD1)		**Source: 1202004-28**		Prepared: 02/12/12 09:57		Analyzed: 02/16/12 07:10				
Benzo(a)pyrene	47.7	5.00	ug/L	60.000	0.00	79	30-150	39	25	A
Bis(2-chloroethyl)ether	39.0	5.00	"	60.000	0.00	65	30-150	33	25	A
4-Chloroaniline	41.4	5.00	"	60.000	0.00	69	30-150	37	25	A
4-Chloro-3-methylphenol	49.1	5.00	"	60.000	0.00	82	26-103	37	33	A
2-Chlorophenol	41.0	5.00	"	60.000	0.00	68	25-102	33	50	
Diethyl phthalate	48.8	5.00	"	60.000	0.00	81	30-150	36	25	A
2,4-Dinitrotoluene	52.2	5.00	"	60.000	0.00	87	28-89	38	47	
Hexachlorobenzene	44.5	5.00	"	60.000	0.00	74	30-150	36	25	A
Hexachlorobutadiene	41.2	5.00	"	60.000	0.00	69	30-150	39	200	
Hexachloroethane	35.6	5.00	"	60.000	0.00	59	30-150	35	25	A
Isophorone	43.8	5.00	"	60.000	0.00	73	30-150	35	25	A
2-Methoxyethanol	22.8	5.00	"	57.900	0.00	39	30-150	25	25	
1-Methylnaphthalene	46.1	5.00	"	60.000	0.00	77	30-150	32	25	A
Naphthalene	42.6	5.00	"	60.000	0.00	71	30-150	34	25	A
Nitrobenzene	42.1	5.00	"	60.000	0.00	70	30-150	36	200	
4-Nitrophenol	57.6	10.0	"	60.000	0.00	96	11-114	41	50	
N-Nitroso-di-n-propylamine	42.5	5.00	"	60.000	0.00	71	41-126	32	38	
N-Nitrosodiphenylamine	39.5	5.00	"	60.000	0.00	66	30-150	28	25	A
Pentachlorophenol	44.7	5.00	"	60.000	0.00	74	17-109	37	47	
Phenol	42.9	5.00	"	60.000	0.00	72	26-90	43	35	A
2,4,5-Trichlorophenol	46.4	5.00	"	60.000	0.00	77	30-150	37	200	
2,4,6-Trichlorophenol	46.0	5.00	"	60.000	0.00	77	30-150	36	200	
Surrogate: 2-Fluorophenol	*73.4*		"	*100.00*		*73*	*21-110*			
Surrogate: Phenol-d5	*75.6*		"	*100.00*		*76*	*10-110*			
Surrogate: Nitrobenzene-d5	*38.1*		"	*50.000*		*76*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*40.3*		"	*50.000*		*81*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*80.6*		"	*100.00*		*81*	*10-123*			
Surrogate: Terphenyl-d14	*40.4*		"	*50.000*		*81*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
Blank (BB21501-BLK1)				Prepared: 02/15/12 08:01	Analyzed: 02/21/12 16:09					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.061	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.057	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	1.15	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
Blank (BB21501-BLK1)				Prepared: 02/15/12 08:01	Analyzed: 02/21/12 16:09					
Fluorene	U	5.00	ug/L							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.57		"							T
Surrogate: 2-Fluorophenol	*58.8*		"	*100.00*		*59*	*21-110*			
Surrogate: Phenol-d5	*68.0*		"	*100.00*		*68*	*10-110*			
Surrogate: Nitrobenzene-d5	*35.5*		"	*50.000*		*71*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*35.1*		"	*50.000*		*70*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*58.9*		"	*100.00*		*59*	*10-123*			
Surrogate: Terphenyl-d14	*41.6*		"	*50.000*		*83*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
LCS (BB21501-BS1)				Prepared: 02/15/12 08:01		Analyzed: 02/21/12 17:00				
Benzo(a)pyrene	2.95	5.00	ug/L	5.0000		59	30-150			J
Bis(2-chloroethyl)ether	4.32	5.00	"	5.0000		86	30-150			J
4-Chloroaniline	2.43	5.00	"	5.0000		49	30-150			J
4-Chloro-3-methylphenol	3.97	5.00	"	5.0000		79	26-103			J
2-Chlorophenol	3.96	5.00	"	5.0000		79	25-102			J
Diethyl phthalate	4.62	5.00	"	5.0000		92	30-150			J
2,4-Dinitrotoluene	4.02	5.00	"	5.0000		80	28-89			J
Hexachlorobenzene	4.08	5.00	"	5.0000		82	30-150			J
Hexachlorobutadiene	3.45	5.00	"	5.0000		69	30-150			J
Hexachloroethane	3.72	5.00	"	5.0000		74	30-150			J
Isophorone	4.25	5.00	"	5.0000		85	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.67	5.00	"	5.0000		93	30-150			J
Naphthalene	4.69	5.00	"	5.0000		94	30-150			J
Nitrobenzene	4.50	5.00	"	5.0000		90	30-150			J
4-Nitrophenol	1.22	10.0	"	5.0000		24	11-114			J
N-Nitroso-di-n-propylamine	4.19	5.00	"	5.0000		84	41-126			J
N-Nitrosodiphenylamine	4.48	5.00	"	5.0000		90	30-150			J
Pentachlorophenol	0.356	5.00	"	5.0000		7	17-109			A, J
Phenol	4.10	5.00	"	5.0000		82	26-90			J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
2,4,6-Trichlorophenol	3.48	5.00	"	5.0000		70	30-150			J
Surrogate: 2-Fluorophenol	*71.3*		"	*100.00*		*71*	*21-110*			
Surrogate: Phenol-d5	*78.0*		"	*100.00*		*78*	*10-110*			
Surrogate: Nitrobenzene-d5	*38.4*		"	*50.000*		*77*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*38.2*		"	*50.000*		*76*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*71.2*		"	*100.00*		*71*	*10-123*			
Surrogate: Terphenyl-d14	*39.4*		"	*50.000*		*79*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21501 - EPA 3520C SVOC										
LCS (BB21501-BS2)				Prepared: 02/15/12 08:01		Analyzed: 02/21/12 17:51				
Benzo(a)pyrene	47.2	5.00	ug/L	60.000		79	30-150			
Bis(2-chloroethyl)ether	38.2	5.00	"	60.000		64	30-150			
4-Chloroaniline	39.4	5.00	"	60.000		66	30-150			
4-Chloro-3-methylphenol	46.5	5.00	"	60.000		77	26-103			
2-Chlorophenol	38.7	5.00	"	60.000		64	25-102			
Diethyl phthalate	47.6	5.00	"	60.000		79	30-150			
2,4-Dinitrotoluene	50.3	5.00	"	60.000		84	28-89			
Hexachlorobenzene	43.2	5.00	"	60.000		72	30-150			
Hexachlorobutadiene	31.2	5.00	"	60.000		52	30-150			
Hexachloroethane	26.3	5.00	"	60.000		44	30-150			
Isophorone	42.0	5.00	"	60.000		70	30-150			
2-Methoxyethanol	19.4	5.00	"	57.900		34	30-150			
1-Methylnaphthalene	42.1	5.00	"	60.000		70	30-150			
Naphthalene	38.4	5.00	"	60.000		64	30-150			
Nitrobenzene	41.2	5.00	"	60.000		69	30-150			
4-Nitrophenol	51.0	10.0	"	60.000		85	11-114			
N-Nitroso-di-n-propylamine	41.5	5.00	"	60.000		69	41-126			
N-Nitrosodiphenylamine	39.8	5.00	"	60.000		66	30-150			
Pentachlorophenol	41.5	5.00	"	60.000		69	17-109			
Phenol	40.9	5.00	"	60.000		68	26-90			
2,4,5-Trichlorophenol	43.1	5.00	"	60.000		72	30-150			
2,4,6-Trichlorophenol	42.2	5.00	"	60.000		70	30-150			
Surrogate: 2-Fluorophenol	*67.7*		"	*100.00*		*68*	*21-110*			
Surrogate: Phenol-d5	*71.8*		"	*100.00*		*72*	*10-110*			
Surrogate: Nitrobenzene-d5	*37.9*		"	*50.000*		*76*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*37.6*		"	*50.000*		*75*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*77.6*		"	*100.00*		*78*	*10-123*			
Surrogate: Terphenyl-d14	*40.9*		"	*50.000*		*82*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
Blank (BB21601-BLK1)				Prepared: 02/16/12 08:20	Analyzed: 02/22/12 14:29					
Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.018	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.480	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
Blank (BB21601-BLK1)				Prepared: 02/16/12 08:20	Analyzed: 02/22/12 14:29					
Fluorene	U	5.00	ug/L							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.48		"							T
Surrogate: 2-Fluorophenol	*57.4*		"	*100.00*		*57*	*21-110*			
Surrogate: Phenol-d5	*63.6*		"	*100.00*		*64*	*10-110*			
Surrogate: Nitrobenzene-d5	*29.1*		"	*50.000*		*58*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*29.5*		"	*50.000*		*59*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*56.7*		"	*100.00*		*57*	*10-123*			
Surrogate: Terphenyl-d14	*30.7*		"	*50.000*		*61*	*33-141*			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
LCS (BB21601-BS1)				Prepared: 02/16/12 08:20		Analyzed: 02/22/12 15:21				
Benzo(a)pyrene	3.22	5.00	ug/L	5.0000		64	30-150			J
Bis(2-chloroethyl)ether	3.88	5.00	"	5.0000		78	30-150			J
4-Chloroaniline	0.266	5.00	"	5.0000		5	30-150			A, J
4-Chloro-3-methylphenol	3.76	5.00	"	5.0000		75	26-103			J
2-Chlorophenol	3.84	5.00	"	5.0000		77	25-102			J
Diethyl phthalate	4.30	5.00	"	5.0000		86	30-150			J
2,4-Dinitrotoluene	3.93	5.00	"	5.0000		79	28-89			J
Hexachlorobenzene	4.09	5.00	"	5.0000		82	30-150			J
Hexachlorobutadiene	3.64	5.00	"	5.0000		73	30-150			J
Hexachloroethane	3.40	5.00	"	5.0000		68	30-150			J
Isophorone	3.89	5.00	"	5.0000		78	30-150			J
2-Methoxyethanol	U	5.00	"	23.160			30-150			A
1-Methylnaphthalene	4.50	5.00	"	5.0000		90	30-150			J
Naphthalene	4.44	5.00	"	5.0000		89	30-150			J
Nitrobenzene	4.08	5.00	"	5.0000		82	30-150			J
4-Nitrophenol	1.64	10.0	"	5.0000		33	11-114			J
N-Nitroso-di-n-propylamine	3.55	5.00	"	5.0000		71	41-126			J
N-Nitrosodiphenylamine	3.08	5.00	"	5.0000		62	30-150			J
Pentachlorophenol	1.77	5.00	"	5.0000		35	17-109			J
Phenol	3.77	5.00	"	5.0000		75	26-90			J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
2,4,6-Trichlorophenol	3.47	5.00	"	5.0000		69	30-150			J
Surrogate: 2-Fluorophenol	*66.6*		"	*100.00*		*67*	*21-110*			
Surrogate: Phenol-d5	*64.8*		"	*100.00*		*65*	*10-110*			
Surrogate: Nitrobenzene-d5	*33.0*		"	*50.000*		*66*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*32.9*		"	*50.000*		*66*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*71.3*		"	*100.00*		*71*	*10-123*			
Surrogate: Terphenyl-d14	*33.8*		"	*50.000*		*68*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21601 - EPA 3520C SVOC										
LCS (BB21601-BS2)				Prepared: 02/16/12 08:20		Analyzed: 02/22/12 16:12				
Benzo(a)pyrene	42.0	5.00	ug/L	60.000		70	30-150			
Bis(2-chloroethyl)ether	34.7	5.00	"	60.000		58	30-150			
4-Chloroaniline	0.432	5.00	"	60.000		0.7	30-150			A, J
4-Chloro-3-methylphenol	44.1	5.00	"	60.000		73	26-103			
2-Chlorophenol	36.3	5.00	"	60.000		61	25-102			
Diethyl phthalate	42.1	5.00	"	60.000		70	30-150			
2,4-Dinitrotoluene	44.2	5.00	"	60.000		74	28-89			
Hexachlorobenzene	40.0	5.00	"	60.000		67	30-150			
Hexachlorobutadiene	32.4	5.00	"	60.000		54	30-150			
Hexachloroethane	26.4	5.00	"	60.000		44	30-150			
Isophorone	39.1	5.00	"	60.000		65	30-150			
2-Methoxyethanol	U	5.00	"	57.960			30-150			A
1-Methylnaphthalene	41.2	5.00	"	60.000		69	30-150			
Naphthalene	36.3	5.00	"	60.000		60	30-150			
Nitrobenzene	38.2	5.00	"	60.000		64	30-150			
4-Nitrophenol	47.8	10.0	"	60.000		80	11-114			
N-Nitroso-di-n-propylamine	37.8	5.00	"	60.000		63	41-126			
N-Nitrosodiphenylamine	31.8	5.00	"	60.000		53	30-150			
Pentachlorophenol	41.9	5.00	"	60.000		70	17-109			
Phenol	37.9	5.00	"	60.000		63	26-90			
2,4,5-Trichlorophenol	38.8	5.00	"	60.000		65	30-150			
2,4,6-Trichlorophenol	38.1	5.00	"	60.000		63	30-150			
Surrogate: 2-Fluorophenol	*64.6*		"	*100.00*		*65*	*21-110*			
Surrogate: Phenol-d5	*65.0*		"	*100.00*		*65*	*10-110*			
Surrogate: Nitrobenzene-d5	*32.1*		"	*50.000*		*64*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*32.0*		"	*50.000*		*64*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*73.6*		"	*100.00*		*74*	*10-123*			
Surrogate: Terphenyl-d14	*33.4*		"	*50.000*		*67*	*33-141*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Notes and Definitions

UJ	The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
T	Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
A	Quality control value is outside acceptance limits.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
	SVOCs by CLP Equivalent	(Water)	J-Flags used
	SVOCs by CLP Equivalent	(Water)	Result calculations based on MDL
	SVOCs by CLP Equivalent	(Water)	RPD calculations based on %Recovery
	SVOCs by CLP Equivalent	(Water)	Special Units: (ug/L)
1202004-01	SVOCs by CLP Equivalent		Status is Analyzed
1202004-01	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-01	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent		Status is Analyzed
1202004-03	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-03	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent		Status is Analyzed
1202004-06	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-06	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Fluorobiphenyl	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	2-Fluorophenol	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	Nitrobenzene-d5	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent	Phenol-d5	Exceeds lower control limit
1202004-08	SVOCs by CLP Equivalent		Status is Analyzed
1202004-08	SVOCs by CLP Equivalent	1,1-Biphenyl	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	1,2,4,5-Tetrachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,3,4,6-Tetrachlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4,5-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	2,4,6-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dimethylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,4-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2,6-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Chloronaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	2-Nitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	3-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Bromophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Chlorophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	4-Nitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acenaphthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acenaphthylene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	Atrazine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(a)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(a)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(b)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(ghi)perylene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Benzo(k)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroethoxy)methane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-chloroisopropyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Bis(2-ethylhexyl)phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Butyl benzyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Caprolactam	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Carbazole	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Chrysene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dibenz(a,h)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dibenzofuran	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Diethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Dimethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Di-n-octyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Fluorene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorobutadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachlorocyclopentadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Indeno(1,2,3-cd)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202004-08	SVOCs by CLP Equivalent	Isophorone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Naphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Nitrobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitroso-di-n-propylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-08	SVOCs by CLP Equivalent	Pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent		Status is Analyzed
1202004-11	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-11	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent		Status is Analyzed
1202004-13	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-13	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent		Status is Analyzed
1202004-15	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-15	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent		Status is Analyzed
1202004-17	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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1202004-17	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-17	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent		Status is Analyzed
1202004-21	SVOCs by CLP Equivalent	Cyclopentasiloxane, decamethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-21	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-21	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent		Status is Analyzed
1202004-22	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-22	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent		Status is Analyzed
1202004-23	SVOCs by CLP Equivalent	unknown	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-23	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-23	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent		Status is Analyzed
1202004-24	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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1202004-24	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-24	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent		Status is Analyzed
1202004-25	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-25	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent		Status is Analyzed
1202004-26	SVOCs by CLP Equivalent	Cyclic octaatomic sulfur	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-26	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-26	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent		Status is Analyzed
1202004-27	SVOCs by CLP Equivalent	2-Pentanone, 4-hydroxy-4-methyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-27	SVOCs by CLP Equivalent	Cyclic octaatomic sulfur	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1202004-27	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-27	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent		Status is Analyzed
1202004-28	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-28	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-28	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-29	SVOCs by CLP Equivalent	2-Methoxyethanol	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202004-29	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	R: The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
1202004-29	SVOCs by CLP Equivalent		Status is Analyzed
1202004-29	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-29	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent		Status is Analyzed
1202004-30	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-30	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent		Status is Analyzed
1202004-31	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-31	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent		Status is Analyzed
1202004-32	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202004-32	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Bis(2-chloroisopropyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	N-Nitroso-di-n-propylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202004-32	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent		Status is Analyzed
1202005-10	SVOCs by CLP Equivalent	1,1-Biphenyl	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	1,2,4,5-Tetrachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	1-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,3,4,6-Tetrachlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4,5-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4,6-Trichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dichlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dimethylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dinitrophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,4-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2,6-Dinitrotoluene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Chloronaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Chlorophenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methoxyethanol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methylnaphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	2-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	3,3'-Dichlorobenzidine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	3-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4,6-Dinitro-2-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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1202005-10	SVOCs by CLP Equivalent	4-Chloroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Chlorophenyl phenyl ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Methylphenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	4-Nitroaniline	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Acenaphthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Acetophenone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Atrazine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzaldehyde	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(a)anthracene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(a)pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Benzo(k)fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Butyl benzyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Caprolactam	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Carbazole	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Dibenzofuran	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Dimethyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Di-n-octyl phthalate	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Fluoranthene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Fluorene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorobenzene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorobutadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachlorocyclopentadiene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Hexachloroethane	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Isophorone	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Naphthalene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

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LabNumber	Analysis	Analyte	Exception
1202005-10	SVOCs by CLP Equivalent	N-Nitrosodimethylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Phenol	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-10	SVOCs by CLP Equivalent	Pyrene	UJ: The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
1202005-33	SVOCs by CLP Equivalent		Status is Batched
BB21201-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21201-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21201-BS1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit
BB21201-MSD1	SVOCs by CLP Equivalent	1-Methylnaphthalene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	4-Chloro-3-methylphenol	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Benzo(a)pyrene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Bis(2-chloroethyl)ether	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Diethyl phthalate	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Hexachlorobenzene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Hexachloroethane	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Isophorone	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Naphthalene	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	N-Nitrosodiphenylamine	Exceeds RPD control limit
BB21201-MSD1	SVOCs by CLP Equivalent	Phenol	Exceeds RPD control limit
BB21501-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21501-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21501-BS1	SVOCs by CLP Equivalent	Pentachlorophenol	Exceeds lower control limit
BB21601-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	Blank >1 x MRL
BB21601-BLK1	SVOCs by CLP Equivalent	2-Hexene, 3,5,5-trimethyl-	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
BB21601-BS1	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit
BB21601-BS2	SVOCs by CLP Equivalent	4-Chloroaniline	Exceeds lower control limit

M0217500

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Sample Data

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

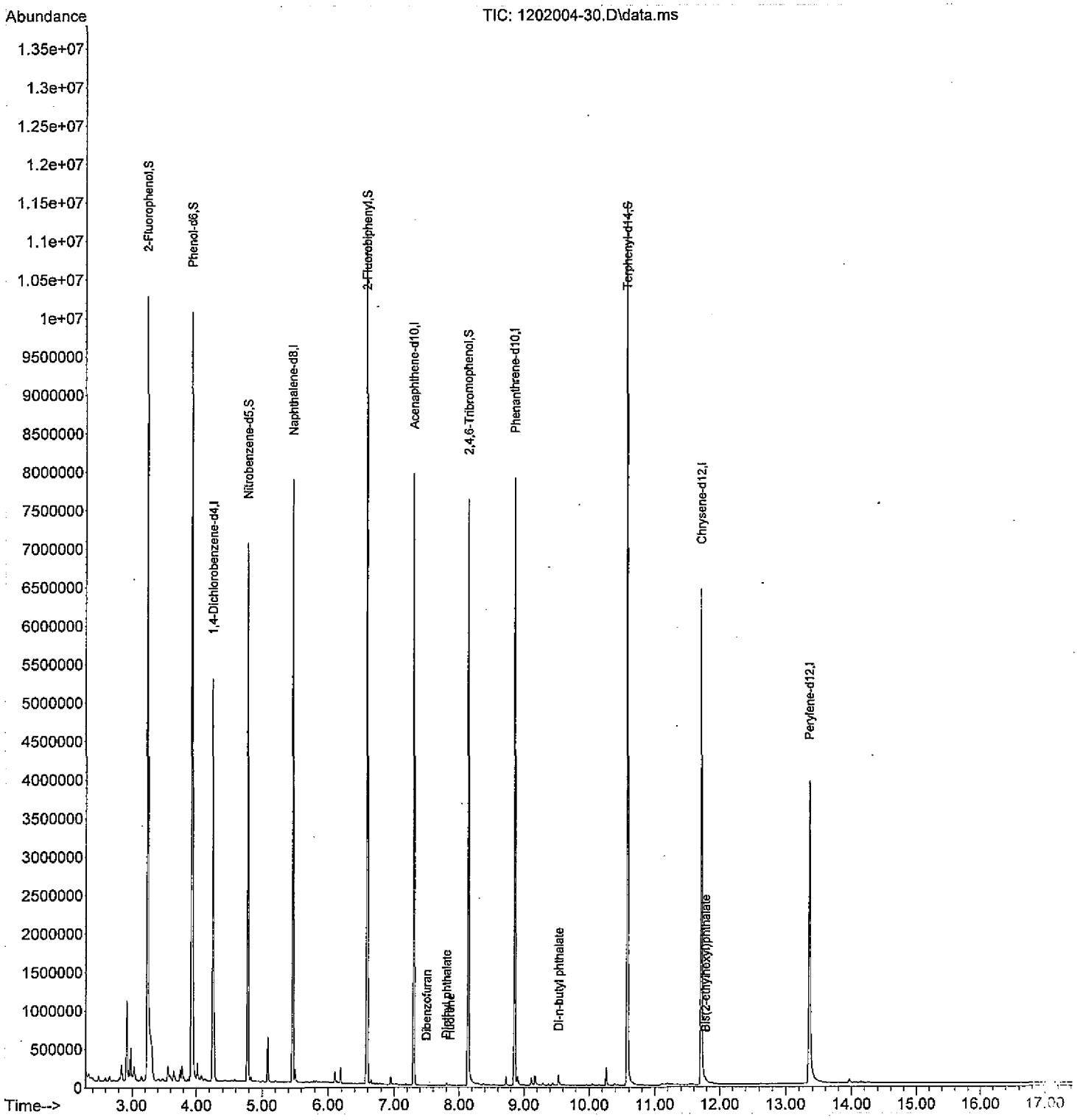
Quant Time: Feb 22 09:48:19 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

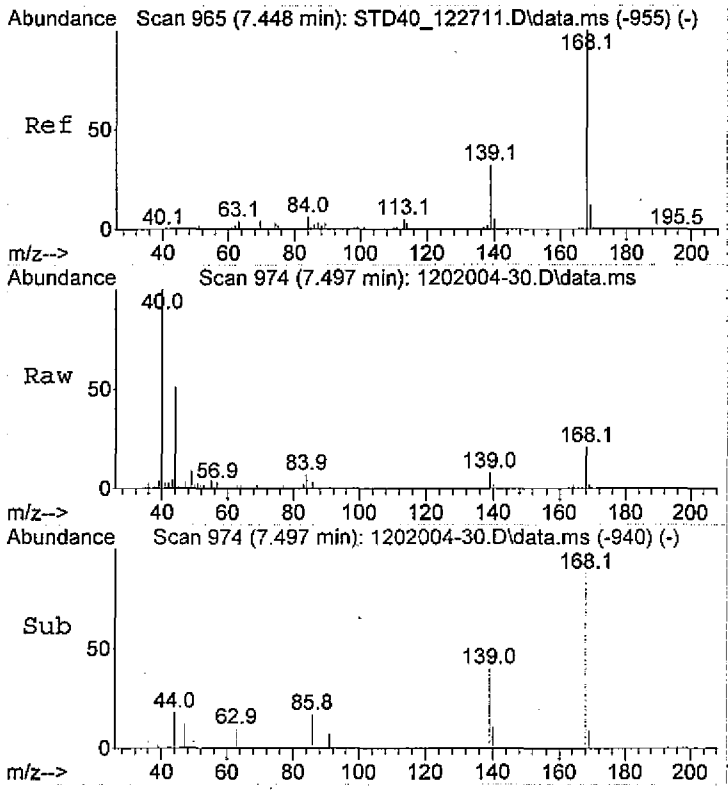
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	934808	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3678420	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.299	164	1994368	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.855	188	3308032	20.000	ug/mL	-0.02
65) Chrysene-d12	11.711	240	2817046	20.000	ug/mL	-0.02
73) Perylene-d12	13.359	264	2094711	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3713490	65.982	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery =	65.98%		
5) Phenol-d6	3.934	99	3897463	62.261	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery =	62.26%		
16) Nitrobenzene-d5	4.779	82	2190286	35.177	ug/mL	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery =	70.36%		
34) 2-Fluorobiphenyl	6.587	172	3969931	35.183	ug/mL	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery =	70.36%		
55) 2,4,6-Tribromophenol	8.144	330	828619	67.418	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery =	67.42%		
67) Terphenyl-d14	10.572	244	4034864	37.454	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	74.90%		
Target Compounds						Qvalue
44) Dibenzofuran	7.497	168	2279	0.015	ug/mL	96
48) Fluorene	7.860	166	1831	0.017	ug/mL#	93
49) Diethyl phthalate	7.801	149	5536	0.045	ug/mL	95
63) Di-n-butyl phthalate	9.529	149	77610	0.414	ug/mL	98
72) Bis(2-ethylhexyl)phtha...	11.775	149	15193	0.144	ug/mL#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 09:48:19 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

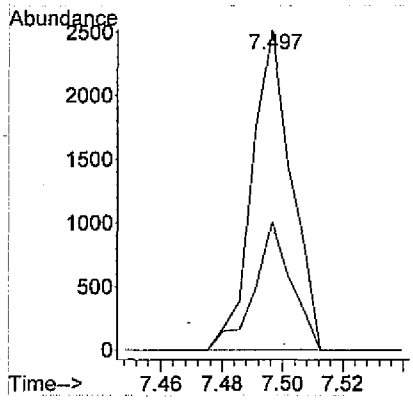


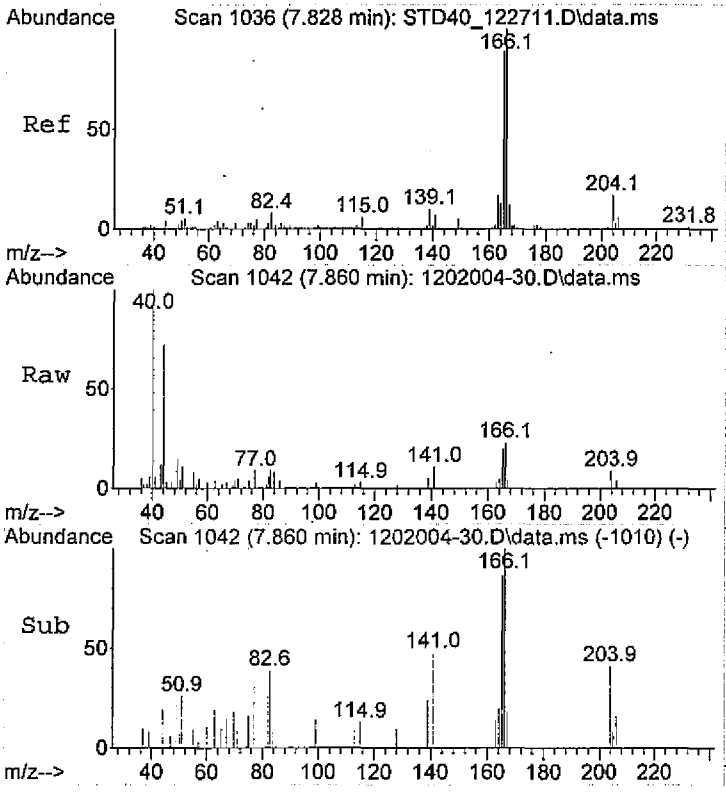


#44
Dibenzofuran
Concen: 0.015 ug/mL
RT: 7.497 min Scan# 974
Delta R.T. -0.016 min
Lab File: 1202004-30.D
Acq: 21 Feb 2012 6:42 pm

Tgt Ion:168 Resp: 2279

Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.5	48.7

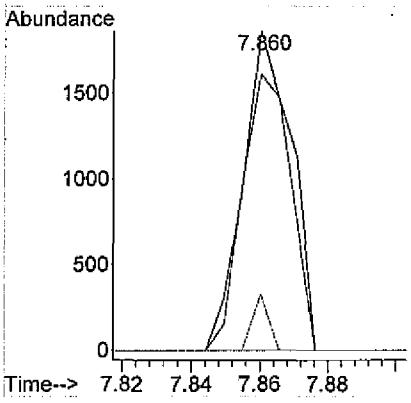


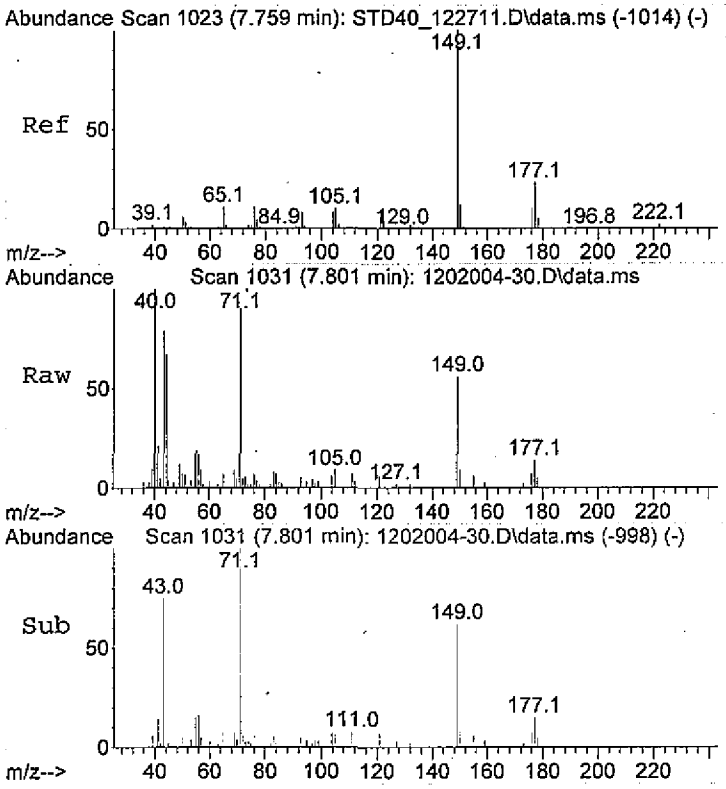


#48
Fluorene
Concen: 0.017 ug/mL
RT: 7.860 min Scan# 1042
Delta R.T. -0.027 min
Lab File: 1202004-30.D
Acq: 21 Feb 2012 6:42 pm

Tgt Ion:166 Resp: 1831

Ion	Ratio	Lower	Upper
166	100		
165	86.8	73.4	110.0
167	5.7	11.0	16.4#

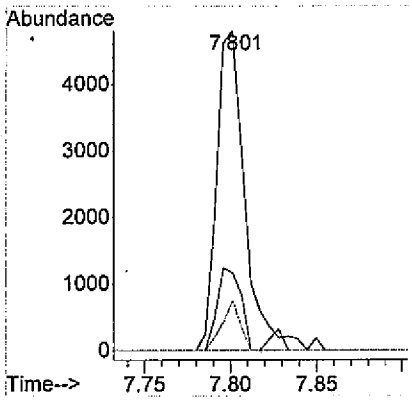


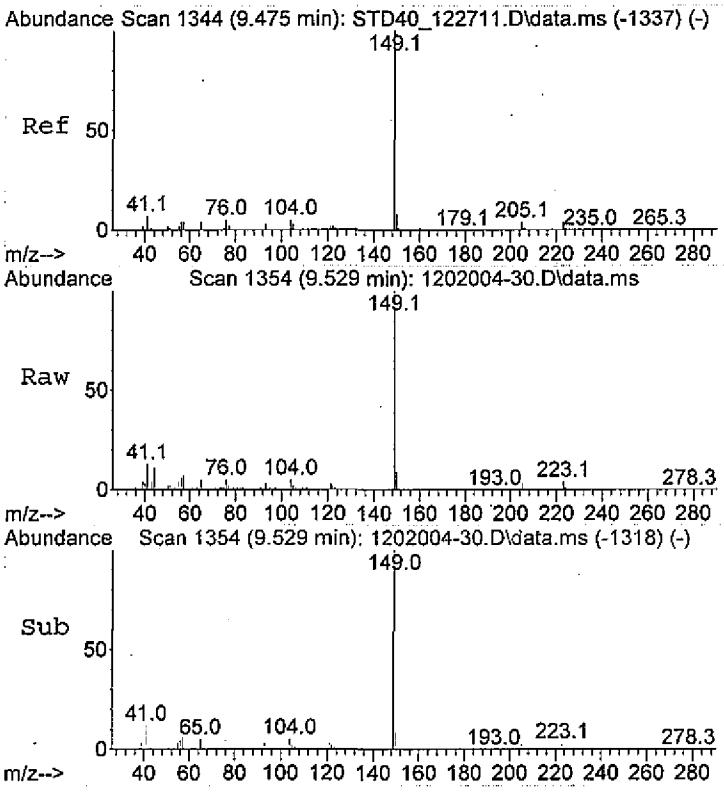


#49
Diethyl phthalate
Concen: 0.045 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: 1202004-30.D
Acq: 21 Feb 2012 6:42 pm

Tgt Ion:149 Resp: 5536

Ion	Ratio	Lower	Upper
149	100		
177	21.4	18.7	28.1
150	9.9	9.5	14.3

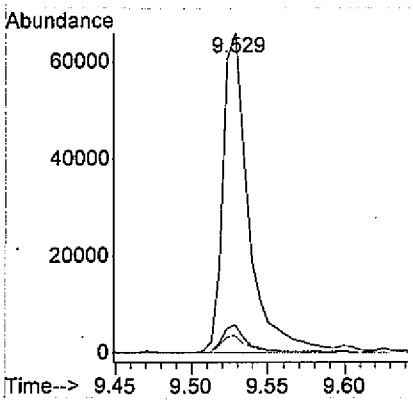


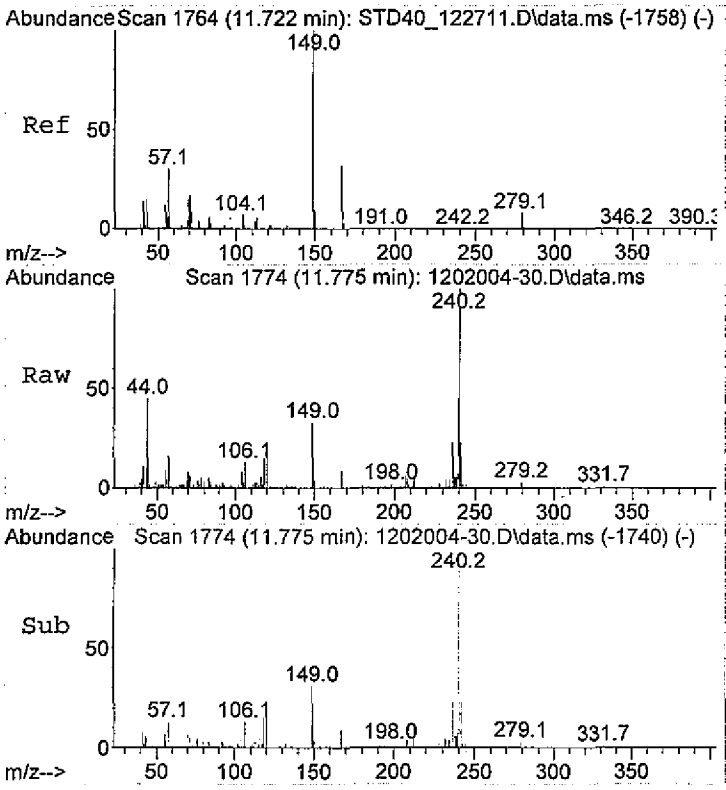


#63
Di-n-butyl phthalate
Concen: 0.414 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: 1202004-30.D
Acq: 21 Feb 2012 6:42 pm

Tgt Ion:149 Resp: 77610

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.4	11.2
104	5.7	4.2	6.4

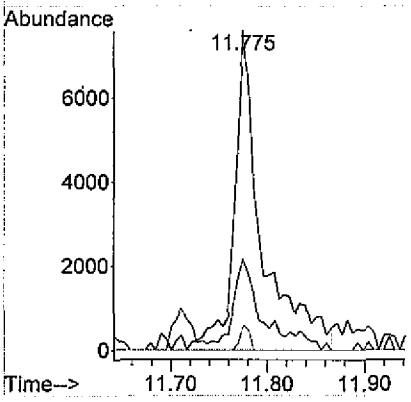




#72
Bis(2-ethylhexyl)phthalate
Concen: 0.144 ug/mL
RT: 11.775 min Scan# 1774
Delta R.T. -0.016 min
Lab File: 1202004-30.D
Acq: 21 Feb 2012 6:42 pm

Tgt Ion:149 Resp: 15193

Ion	Ratio	Lower	Upper
149	100		
167	21.9	25.8	38.6#
279	2.6	5.3	7.9#



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 09:59:31 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

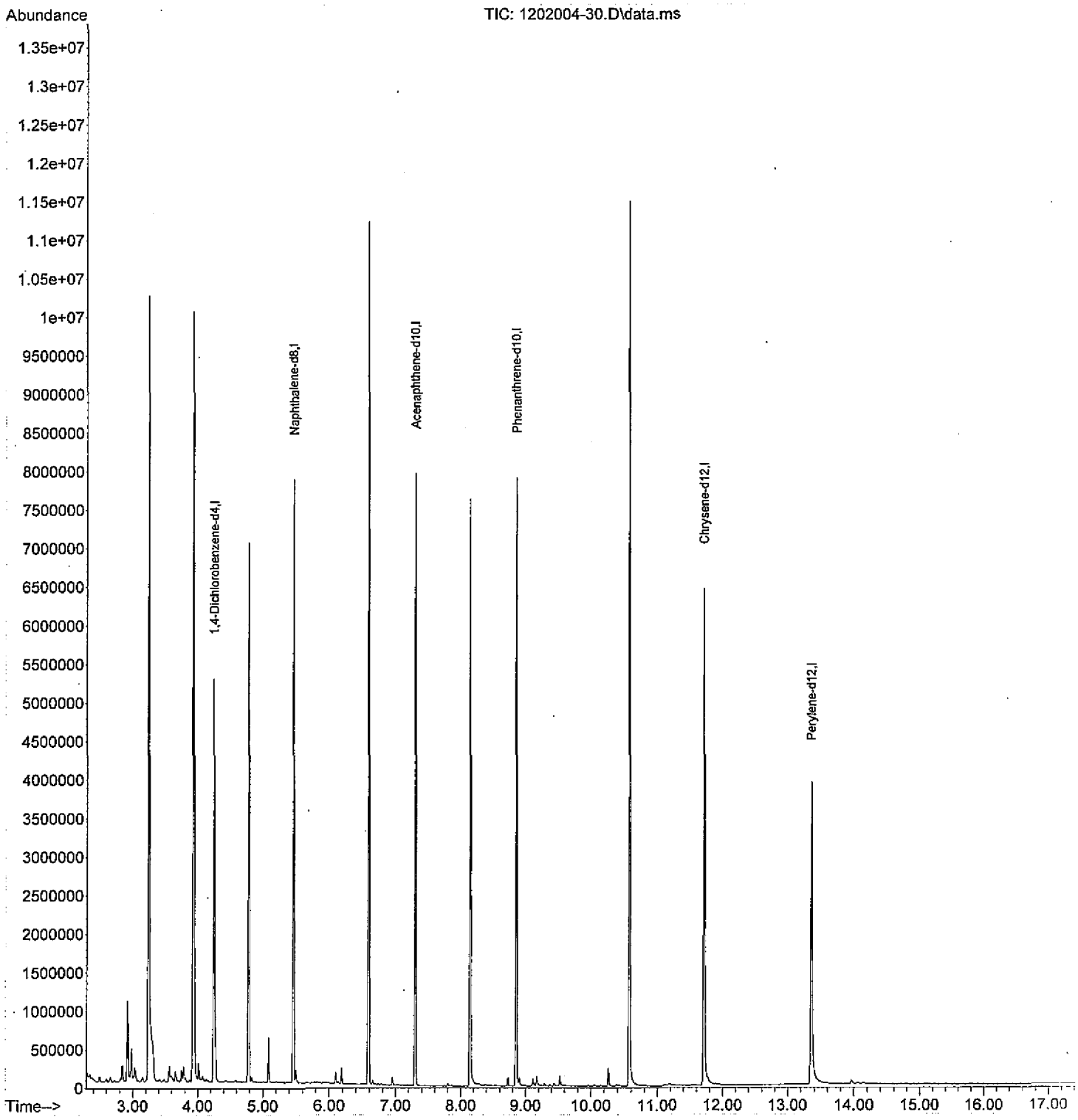
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	934808	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3678420	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.299	164	1994368	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.855	188	3308032	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2817046	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2094711	20.000	ug/mL	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 09:59:31 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

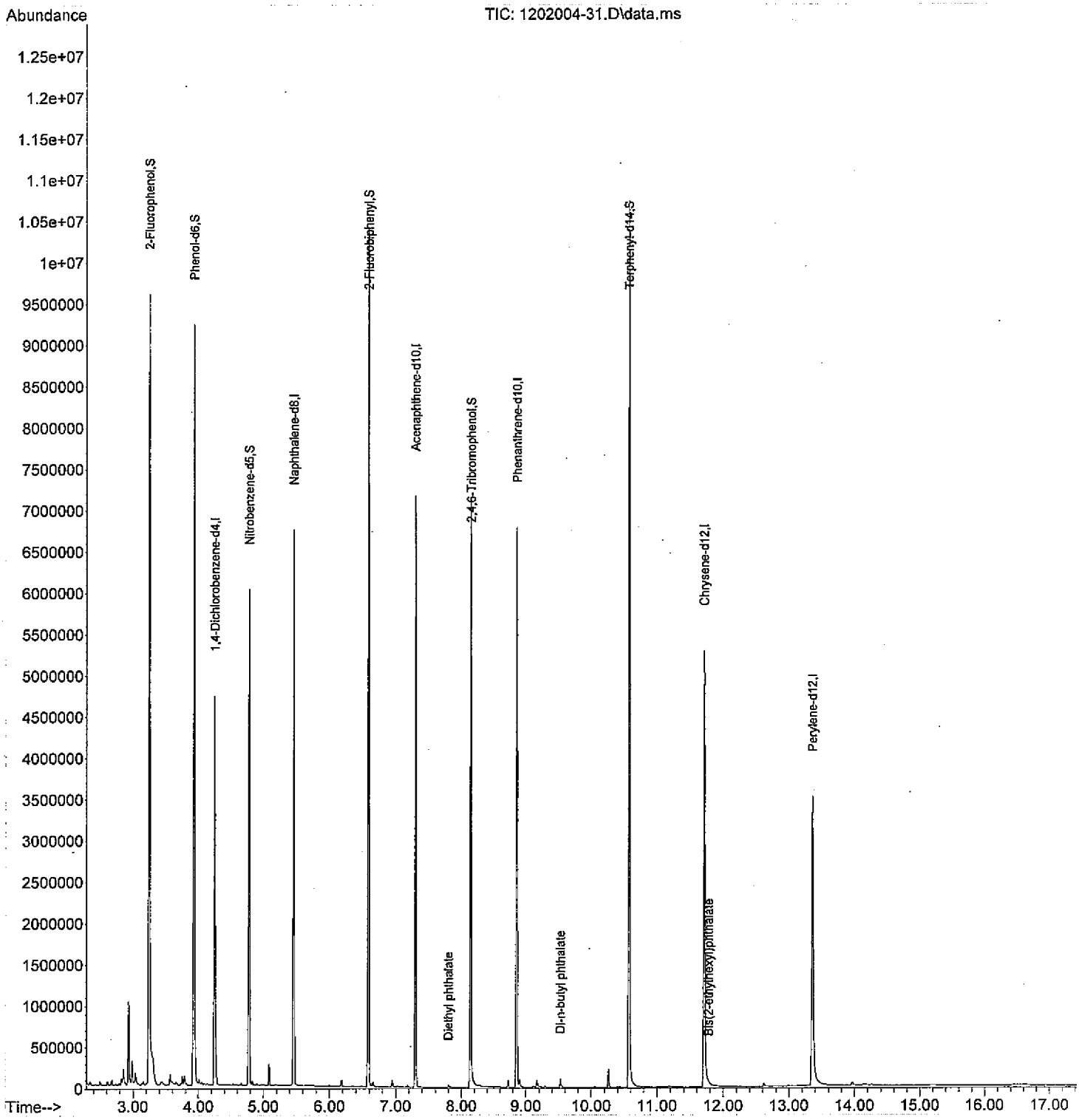
Quant Time: Feb 22 09:51:45 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

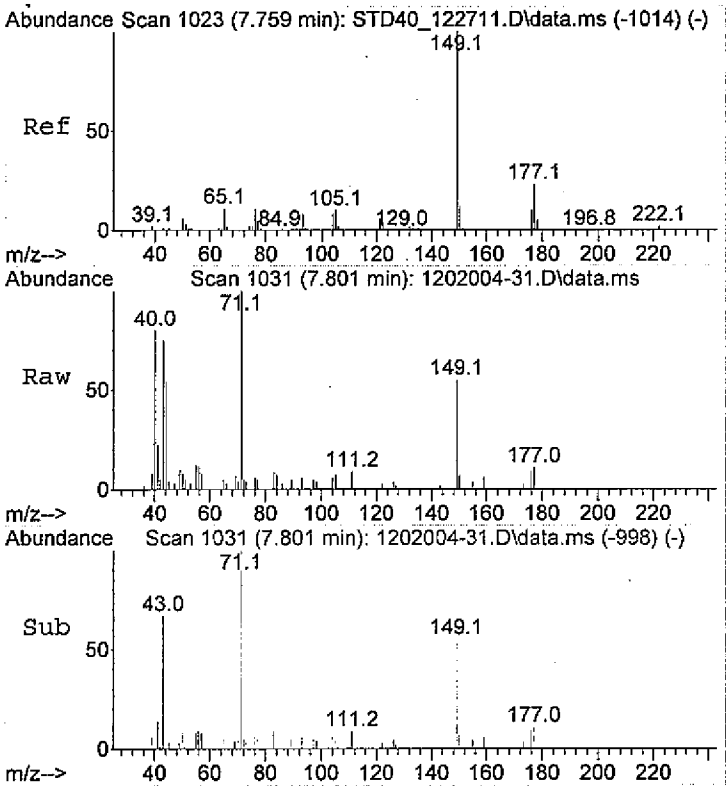
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	783843	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3142130	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.299	164	1744524	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.860	188	2966533	20.000	ug/mL	#-0.01
65) Chrysene-d12	11.711	240	2463495	20.000	ug/mL	#-0.02
73) Perylene-d12	13.359	264	1945340	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	3095919	65.604	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 65.60%			
5) Phenol-d6	3.934	99	3846688	73.285	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 73.28%			
16) Nitrobenzene-d5	4.785	82	1948487	36.635	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 73.28%			
34) 2-Fluorobiphenyl	6.593	172	3762635	38.121	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 76.24%			
55) 2,4,6-Tribromophenol	8.149	330	847508	76.893	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 76.89%			
67) Terphenyl-d14	10.572	244	3875529	41.138	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 82.28%			
Target Compounds						Qvalue
49) Diethyl phthalate	7.801	149	3525	0.033	ug/mL	98
63) Di-n-butyl phthalate	9.529	149	64941	0.386	ug/mL	99
72) Bis(2-ethylhexyl)phtha...	11.775	149	3953	0.043	ug/mL#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 22 09:51:45 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

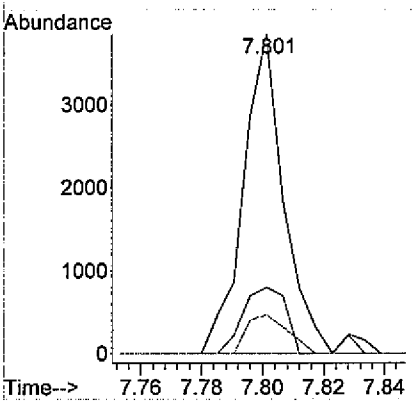


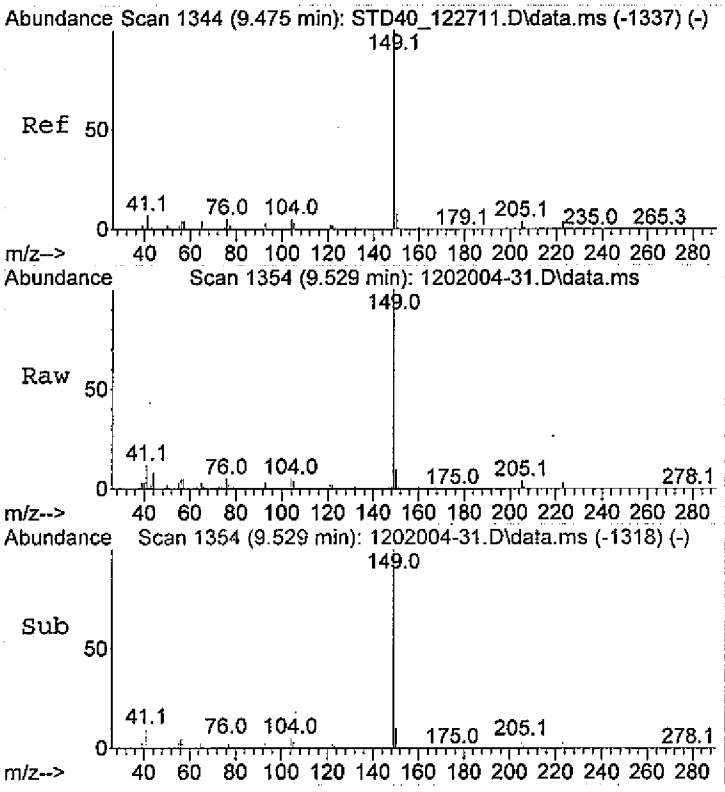


#49
Diethyl phthalate
Concen: 0.033 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: 1202004-31.D
Acq: 21 Feb 2012 7:32 pm

Tgt Ion:149 Resp: 3525

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.7	28.1
150	12.3	9.5	14.3

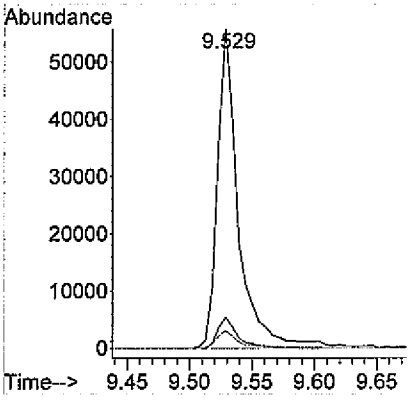


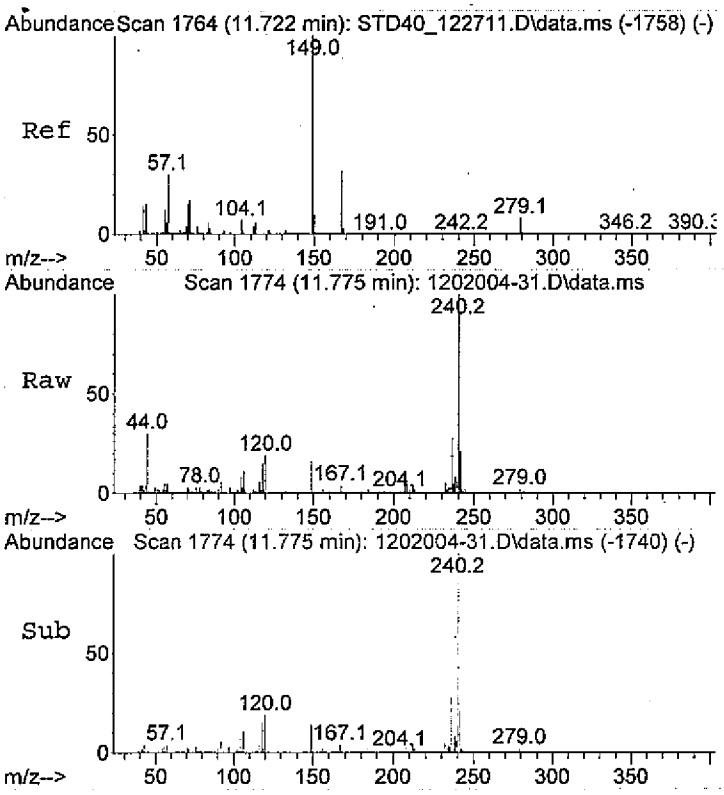


#63
Di-n-butyl phthalate
Concen: 0.386 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: 1202004-31.D
Acq: 21 Feb 2012 7:32 pm

Tgt Ion:149 Resp: 64941

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.7	4.2	6.4

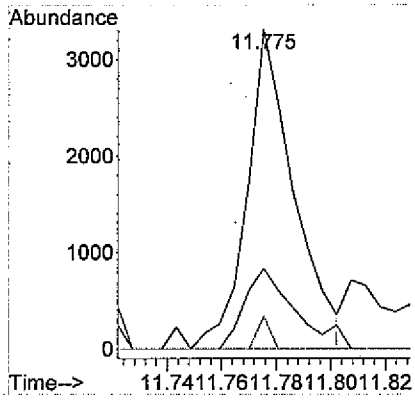




#72
Bis(2-ethylhexyl)phthalate
Concen: 0.043 ug/mL
RT: 11.775 min Scan# 1774
Delta R.T. -0.016 min
Lab File: 1202004-31.D
Acq: 21 Feb 2012 7:32 pm

Tgt Ion:149 Resp: 3953

Ion	Ratio	Lower	Upper
149	100		
167	27.2	25.8	38.6
279	2.8	5.3	7.9#



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 22 09:59:58 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

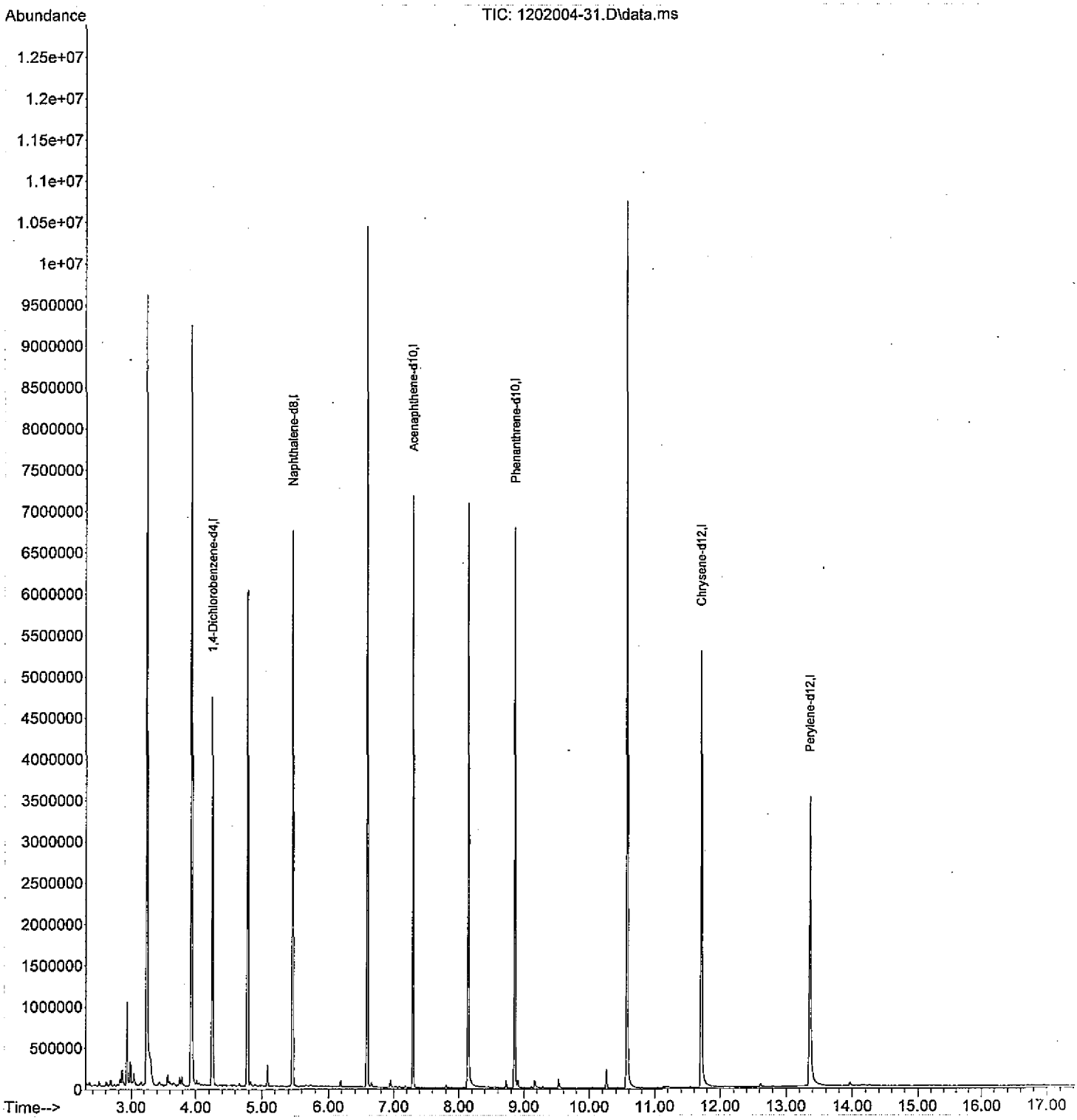
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	783843	20.000 ug/mL	0.00
3) Naphthalene-d8	5.464	136	3142130	20.000 ug/mL	# 0.00
5) Acenaphthene-d10	7.299	164	1744524	20.000 ug/mL	0.00
6) Phenanthrene-d10	8.860	188	2966533	20.000 ug/mL	# 0.00
7) Chrysene-d12	11.711	240	2463495	20.000 ug/mL	# 0.00
8) Perylene-d12	13.359	264	1945340	20.000 ug/mL	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 22 09:59:58 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

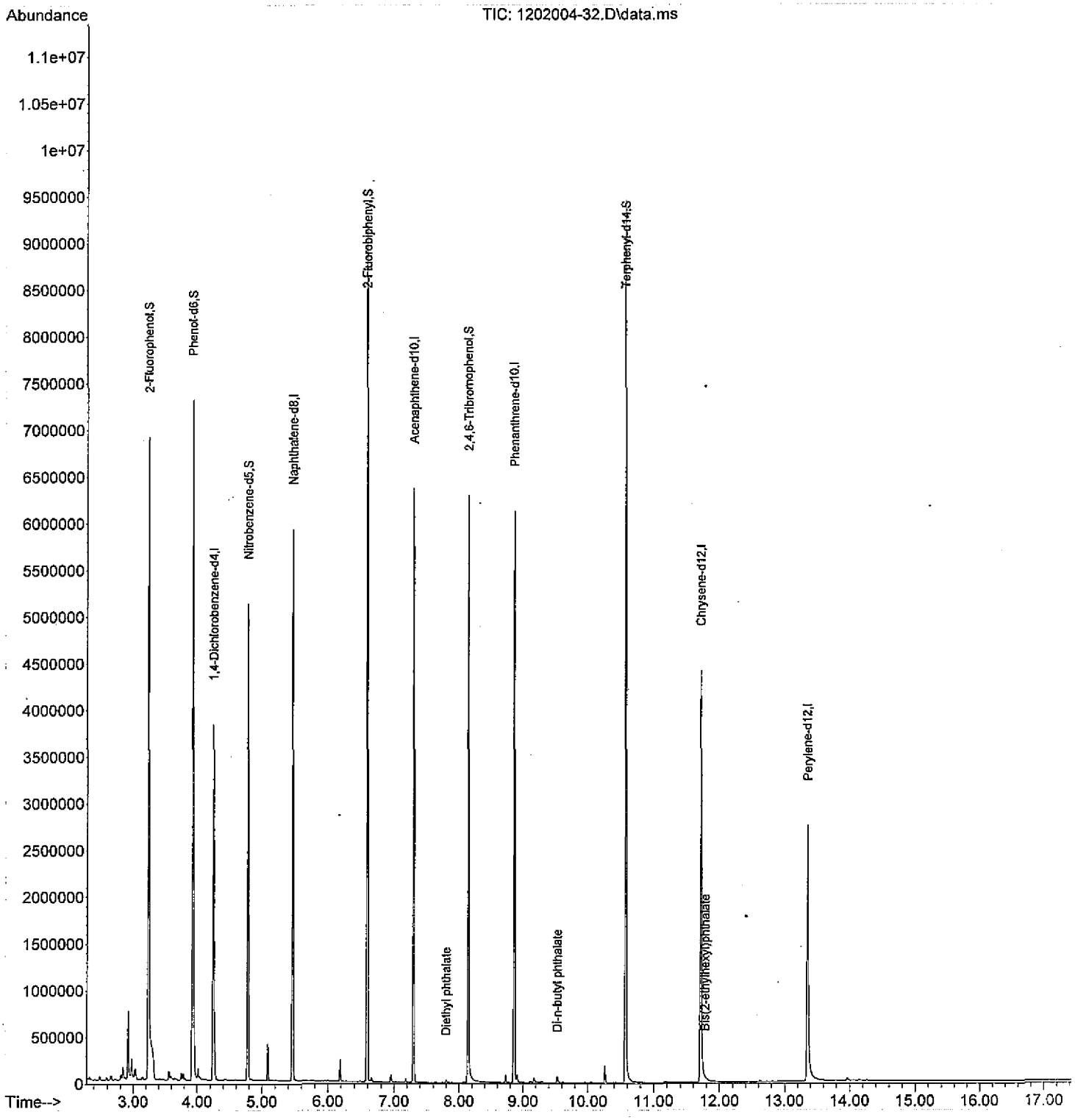
Quant Time: Feb 22 09:54:38 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

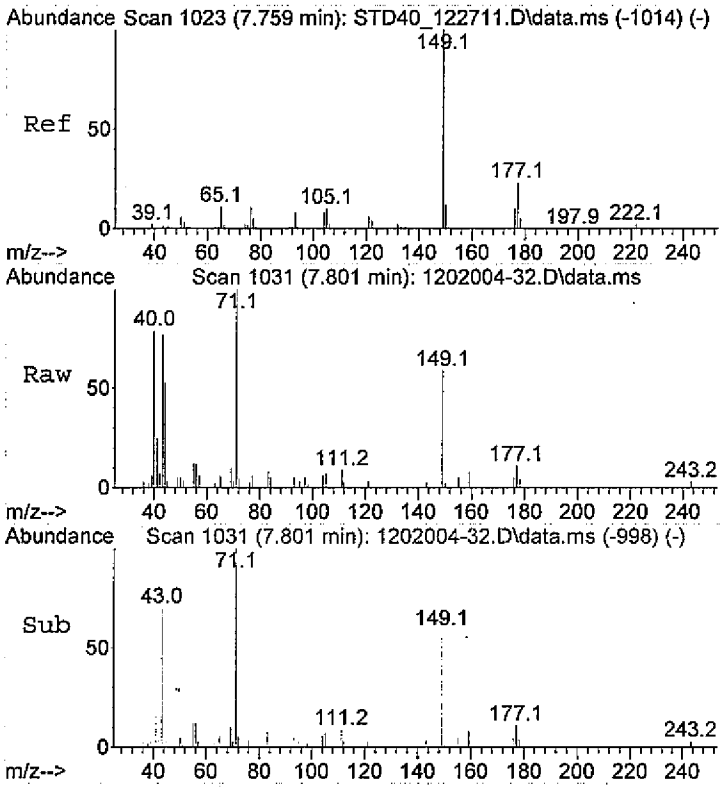
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	678252	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	2734694	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.298	164	1529913	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.855	188	2588254	20.000	ug/mL	#-0.02
65) Chrysene-d12	11.711	240	2062095	20.000	ug/mL	#-0.02
73) Perylene-d12	13.353	264	1528663	20.000	ug/mL	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	2508214	61.425	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 61.42%			
5) Phenol-d6	3.929	99	3112467	68.528	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 110		Recovery = 68.53%			
16) Nitrobenzene-d5	4.779	82	1564474	33.797	ug/mL	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 67.60%			
34) 2-Fluorobiphenyl	6.587	172	3074486	35.519	ug/mL	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 71.04%			
55) 2,4,6-Tribromophenol	8.144	330	670458	69.720	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 69.72%			
67) Terphenyl-d14	10.572	244	3199752	40.577	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 81.16%			
Target Compounds						Qvalue
49) Diethyl phthalate	7.801	149	3498	0.037	ug/mL#	91
63) Di-n-butyl phthalate	9.529	149	44869	0.306	ug/mL	99
72) Bis(2-ethylhexyl)phtha...	11.775	149	3659	0.047	ug/mL#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 09:54:38 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

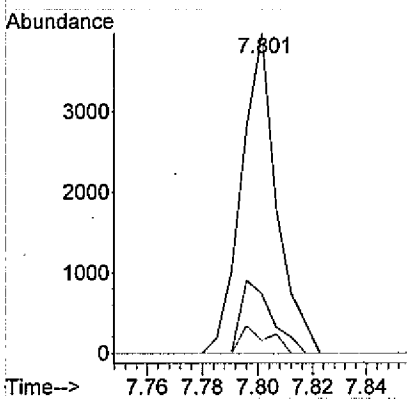


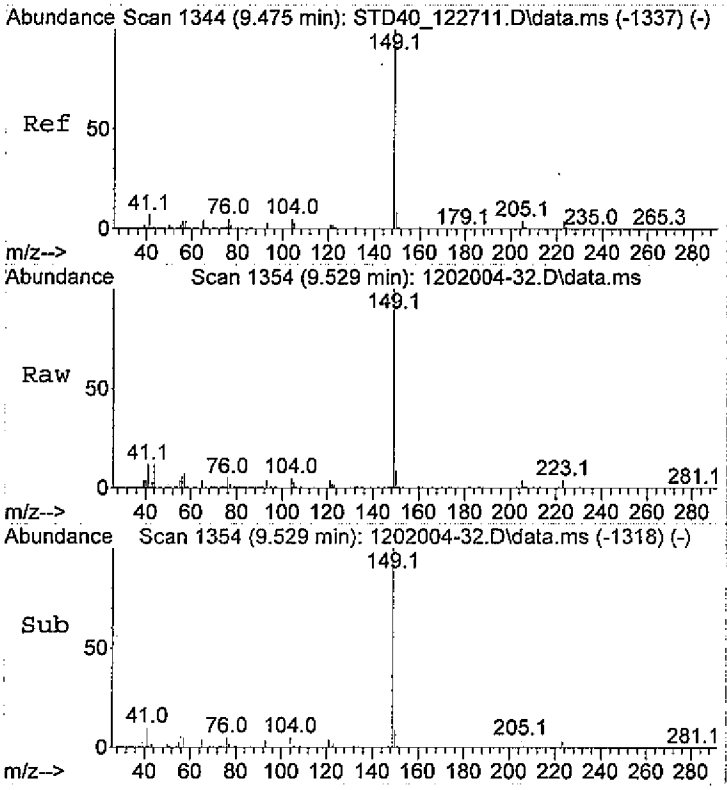


#49
Diethyl phthalate
Concen: 0.037 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: 1202004-32.D
Acq: 21 Feb 2012 8:23 pm

Tgt Ion:149 Resp: 3498

Ion	Ratio	Lower	Upper
149	100		
177	19.9	18.7	28.1
150	6.8	9.5	14.3#

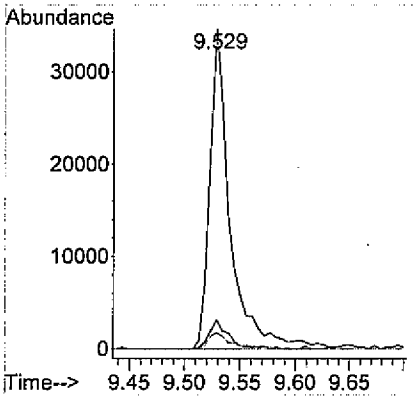


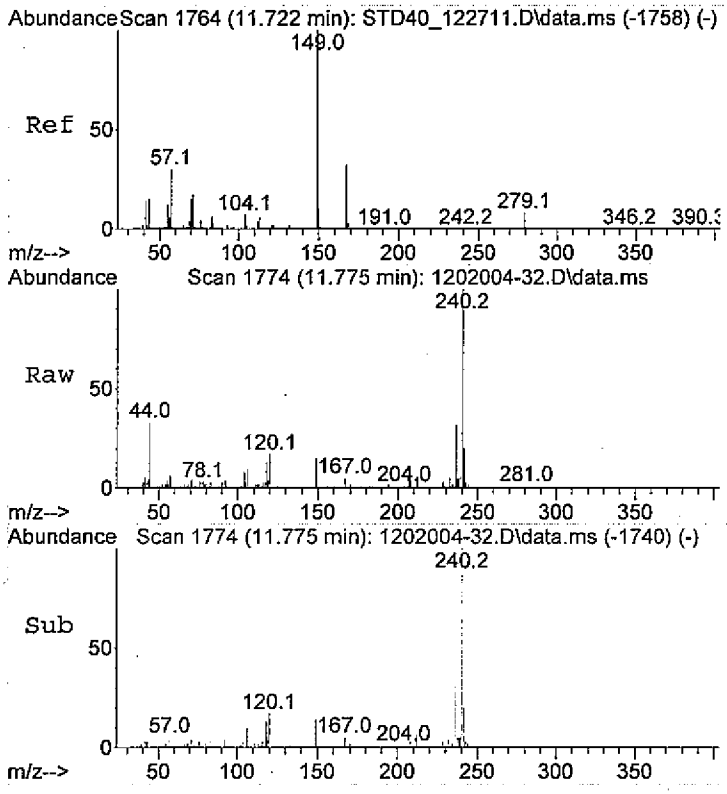


#63
Di-n-butyl phthalate
Concen: 0.306 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: 1202004-32.D
Acq: 21 Feb 2012 8:23 pm

Tgt Ion:149 Resp: 44869

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.4	11.2
104	5.6	4.2	6.4

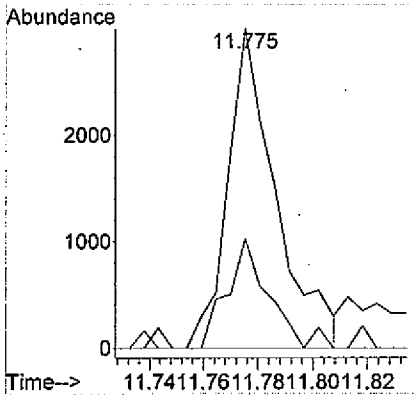




#72
Bis(2-ethylhexyl)phthalate
Concen: 0.047 ug/mL
RT: 11.775 min Scan# 1774
Delta R.T. -0.016 min
Lab File: 1202004-32.D
Acq: 21 Feb 2012 8:23 pm

Tgt Ion:149 Resp: 3659

Ion	Ratio	Lower	Upper
149	100		
167	30.2	25.8	38.6
279	0.0	5.3	7.9#



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 10:00:22 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

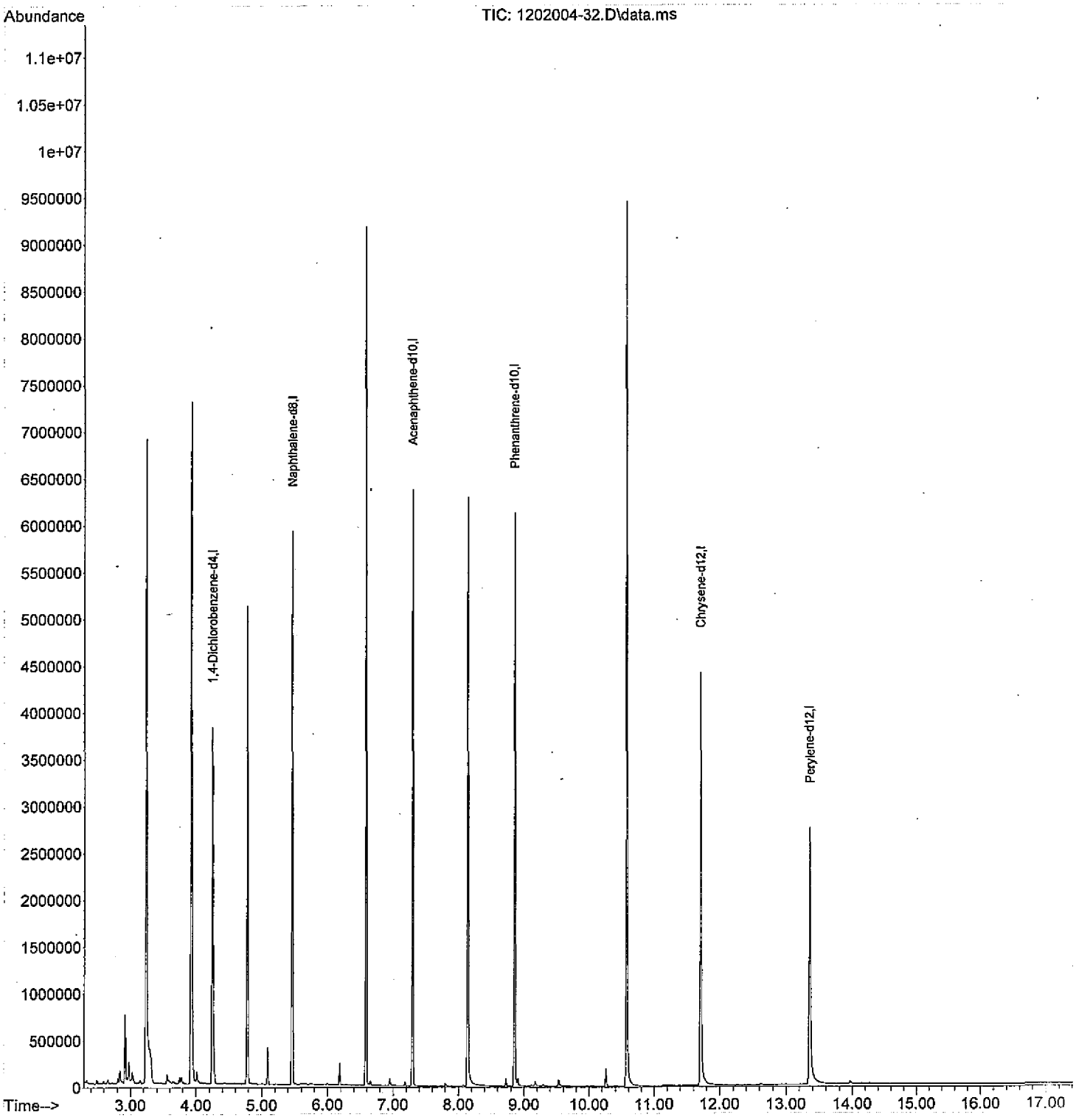
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.250	152	678252	20.000	ug/mL		0.00
3) Naphthalene-d8	5.464	136	2734694	20.000	ug/mL	#	0.00
5) Acenaphthene-d10	7.298	164	1529913	20.000	ug/mL		0.00
6) Phenanthrene-d10	8.855	188	2588254	20.000	ug/mL	#	0.00
7) Chrysene-d12	11.711	240	2062095	20.000	ug/mL	#	0.00
8) Perylene-d12	13.353	264	1528663	20.000	ug/mL		0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 22 10:00:22 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: BB21501-BLK1.D\data.ms

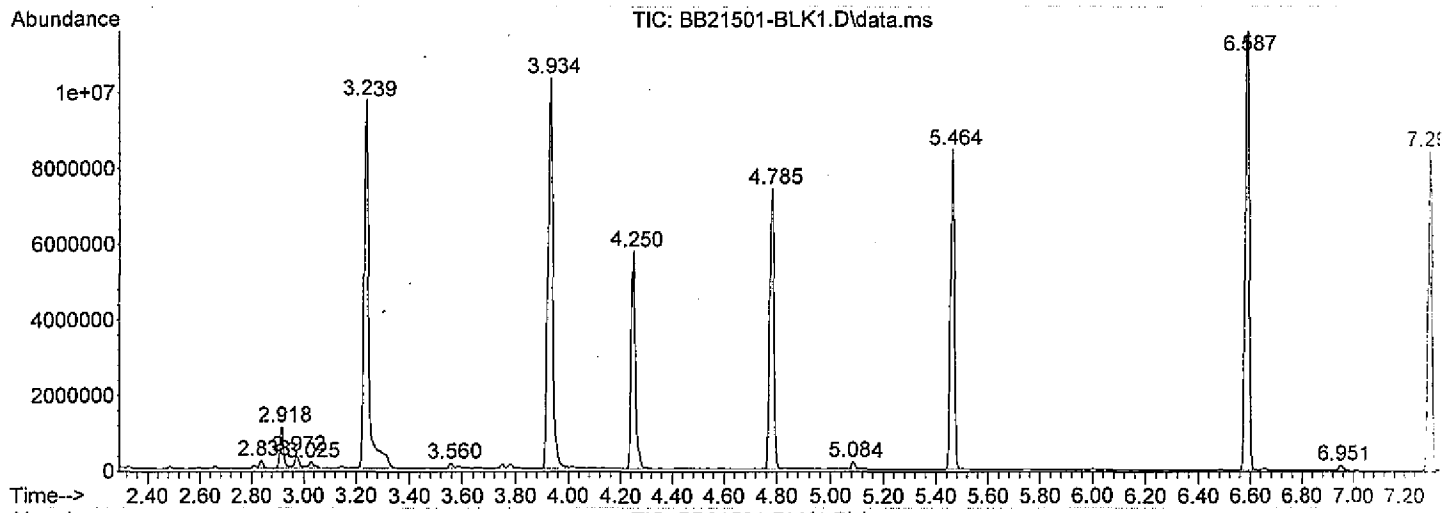
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.838	100	103	108	rVB	209989	203389	1.46%	0.173%
2	2.918	113	118	125	rBV	1096569	1142661	8.18%	0.972%
3	2.972	125	128	133	rVV	324923	369388	2.64%	0.314%
4	3.025	135	138	149	rVB	159920	234916	1.68%	0.200%
5	3.239	173	178	199	rVB	9715815	12644165	90.50%	10.759%
6	3.560	234	238	240	rBV	135489	140289	1.00%	0.119%
7	3.934	301	308	321	rBV	10319835	13367745	95.68%	11.375%
8	4.250	362	367	374	rBV	5733838	6393883	45.76%	5.441%
9	4.785	461	467	473	rBV	7396680	8173783	58.50%	6.955%
10	5.084	520	523	527	rBV	187196	157096	1.12%	0.134%
11	5.464	589	594	598	rBV	8438611	8306982	59.46%	7.069%
12	6.587	799	804	808	rBV	11592646	12398014	88.74%	10.550%
13	6.951	868	872	881	rBV	135620	161717	1.16%	0.138%
14	7.299	932	937	942	rBV	8426204	8816471	63.10%	7.502%
15	8.144	1089	1095	1109	rBV	7382051	8178643	58.54%	6.960%
16	8.860	1223	1229	1235	rBV	8189571	8879878	63.56%	7.556%
17	9.165	1283	1286	1293	rBV	115169	146645	1.05%	0.125%
18	9.529	1348	1354	1366	rBV	363428	443218	3.17%	0.377%
19	10.262	1487	1491	1496	rBV	237807	246083	1.76%	0.209%
20	10.572	1543	1549	1586	rBV	11175546	13971718	100.00%	11.889%
21	11.711	1756	1762	1790	rBV	5872799	7599938	54.40%	6.467%
22	13.353	2062	2069	2099	rBV	3411982	5540675	39.66%	4.715%

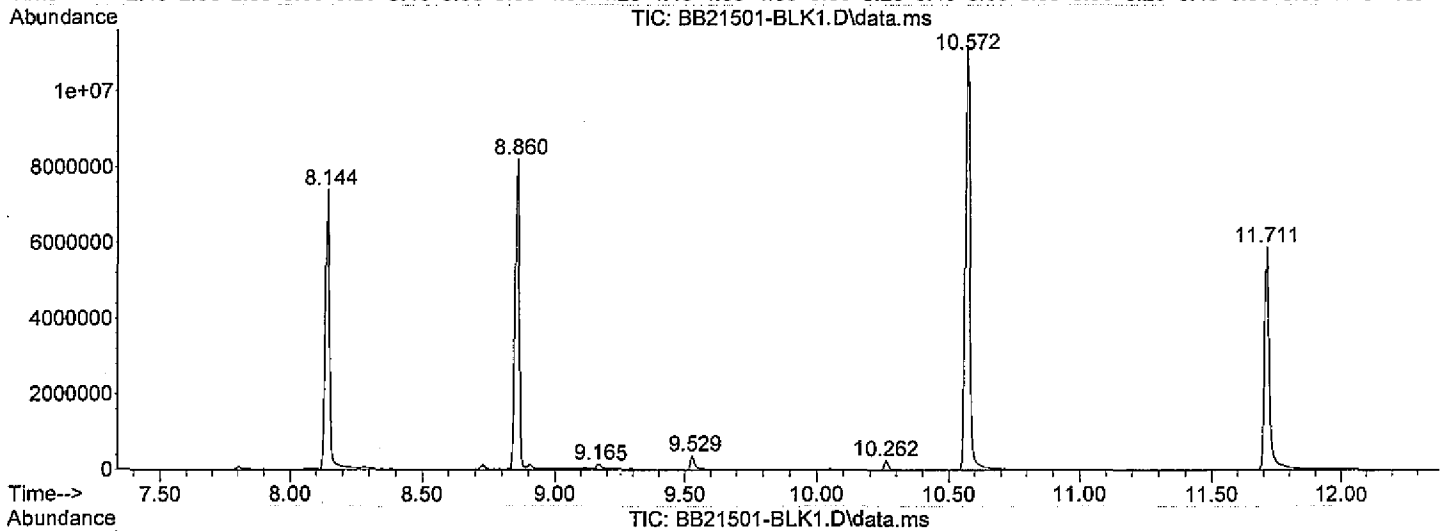
Sum of corrected areas: 117517297

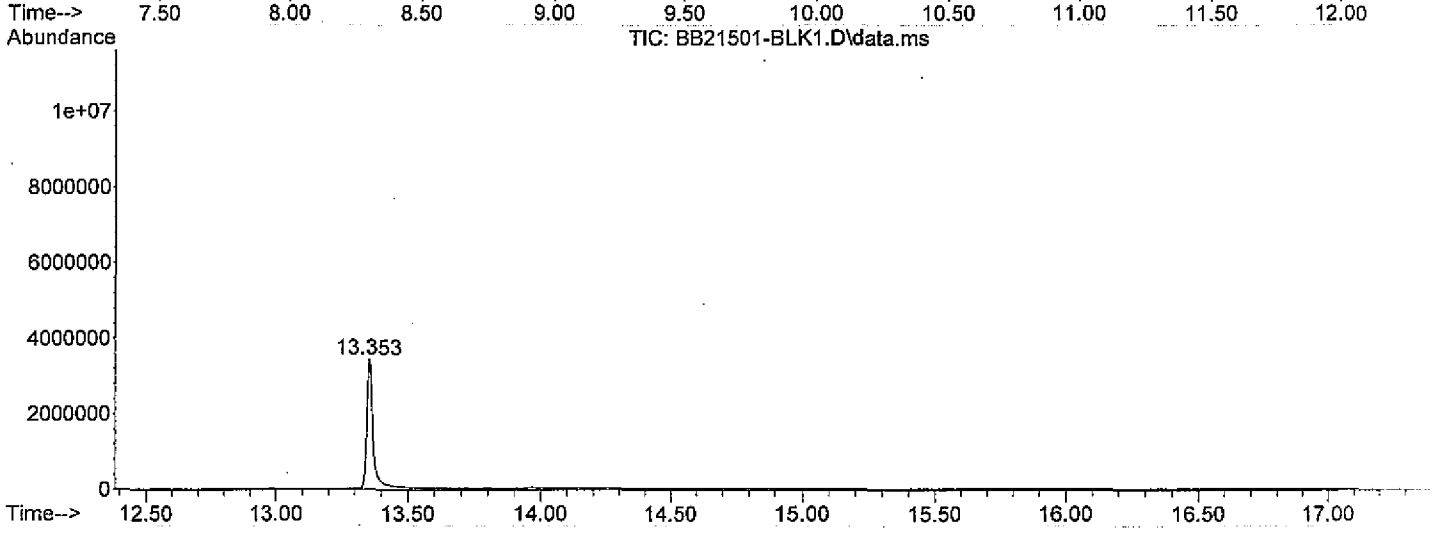
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

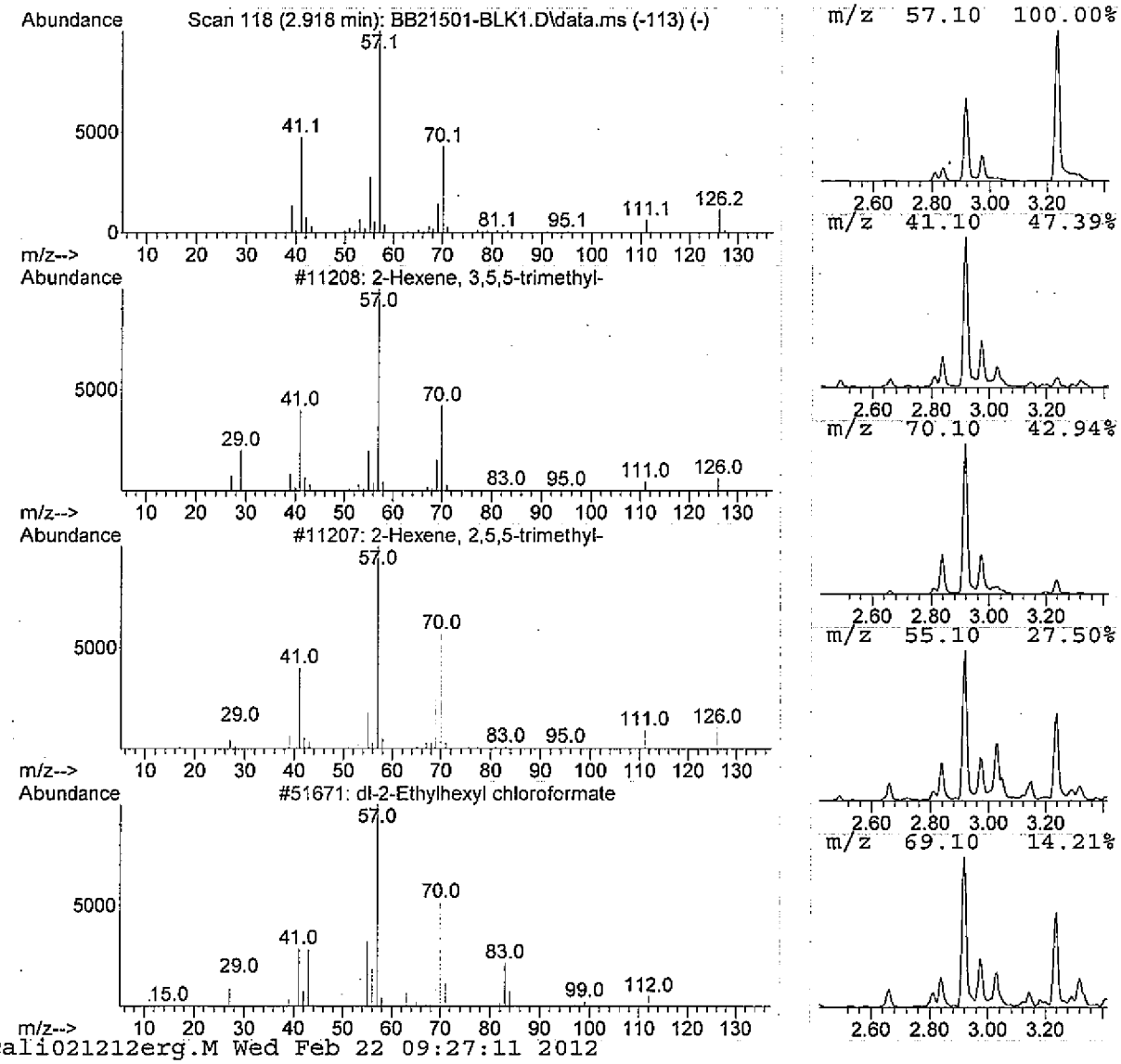
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.918	3.57 ug/mL	1142660	1,4-Dichlorobenzene-d4	4.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	72
3	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	38
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	27
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	23



Tentatively Identified Compound (LSC) Summary

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.918	3.6	ug/mL	1142660	1	4.250	6393880	20.0

LSC Area Percent Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: 1202004-30.D\data.ms

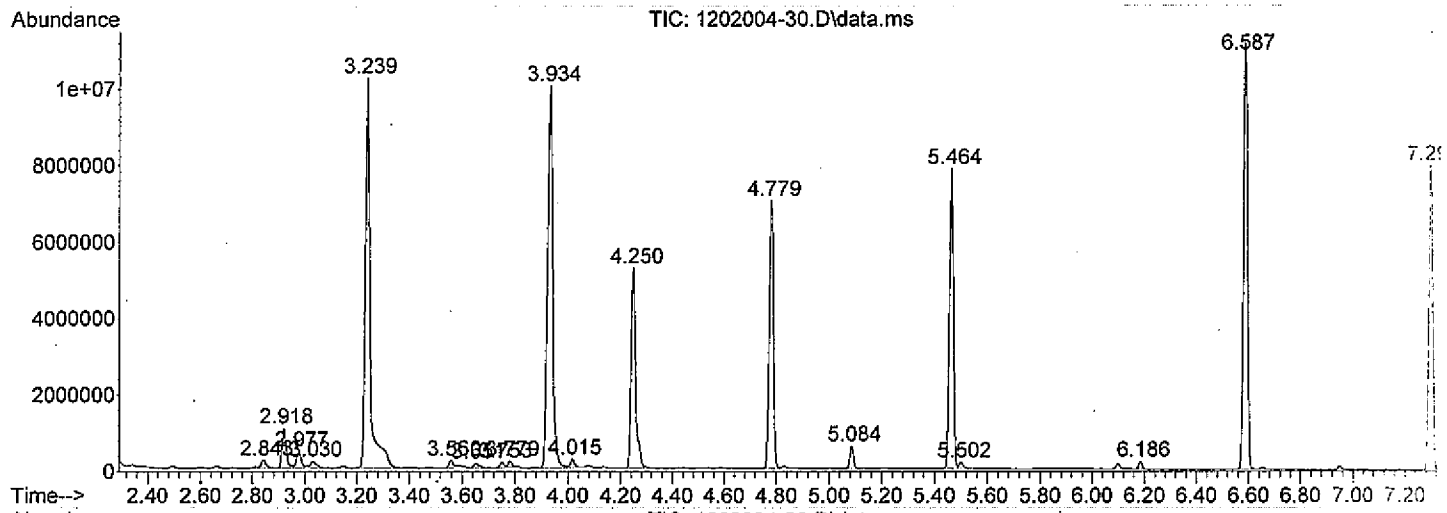
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.843	100	104	113	rVB2	201001	258064	1.93%	0.220%
2	2.918	114	118	125	rVV	1032944	1226293	9.16%	1.043%
3	2.977	125	129	133	rVV	423175	511083	3.82%	0.435%
4	3.030	136	139	149	rVB3	174128	256347	1.92%	0.218%
5	3.239	173	178	203	rVB	10192405	13383178	100.00%	11.383%
6	3.560	234	238	240	rBV	192820	193238	1.44%	0.164%
7	3.651	251	255	263	rVB2	125295	174852	1.31%	0.149%
8	3.753	270	274	276	rBV	141238	143417	1.07%	0.122%
9	3.779	276	279	282	rVB	163571	150905	1.13%	0.128%
10	3.934	301	308	320	rBV	9991524	13169122	98.40%	11.201%
11	4.015	320	323	329	rVB	206844	207583	1.55%	0.177%
12	4.250	362	367	375	rBV	5225888	6211283	46.41%	5.283%
13	4.779	461	466	473	rBV	6993343	7682644	57.41%	6.535%
14	5.084	519	523	533	rVB	583257	546003	4.08%	0.464%
15	5.464	589	594	598	rBV	7821015	7744444	57.87%	6.587%
16	5.502	598	601	610	rVB2	168756	193568	1.45%	0.165%
17	6.186	725	729	732	rVB	201699	172464	1.29%	0.147%
18	6.587	799	804	808	rBV	11187914	11690267	87.35%	9.944%
19	7.299	932	937	941	rBV	7942968	8309464	62.09%	7.068%
20	8.144	1089	1095	1112	rBV	7620314	8643498	64.58%	7.352%
21	8.855	1223	1228	1234	rBV	7889401	8509265	63.58%	7.238%
22	8.903	1234	1237	1247	rVB	107454	137001	1.02%	0.117%
23	9.165	1282	1286	1293	rVV	115781	139705	1.04%	0.119%
24	9.529	1350	1354	1358	rBV	127616	140288	1.05%	0.119%
25	10.262	1487	1491	1502	rBV	227844	243999	1.82%	0.208%
26	10.572	1543	1549	1572	rBV	11484054	13309784	99.45%	11.321%
27	11.711	1755	1762	1773	rBV	6444168	7872345	58.82%	6.696%
28	13.353	2062	2069	2095	rBV	3923928	6346514	47.42%	5.398%

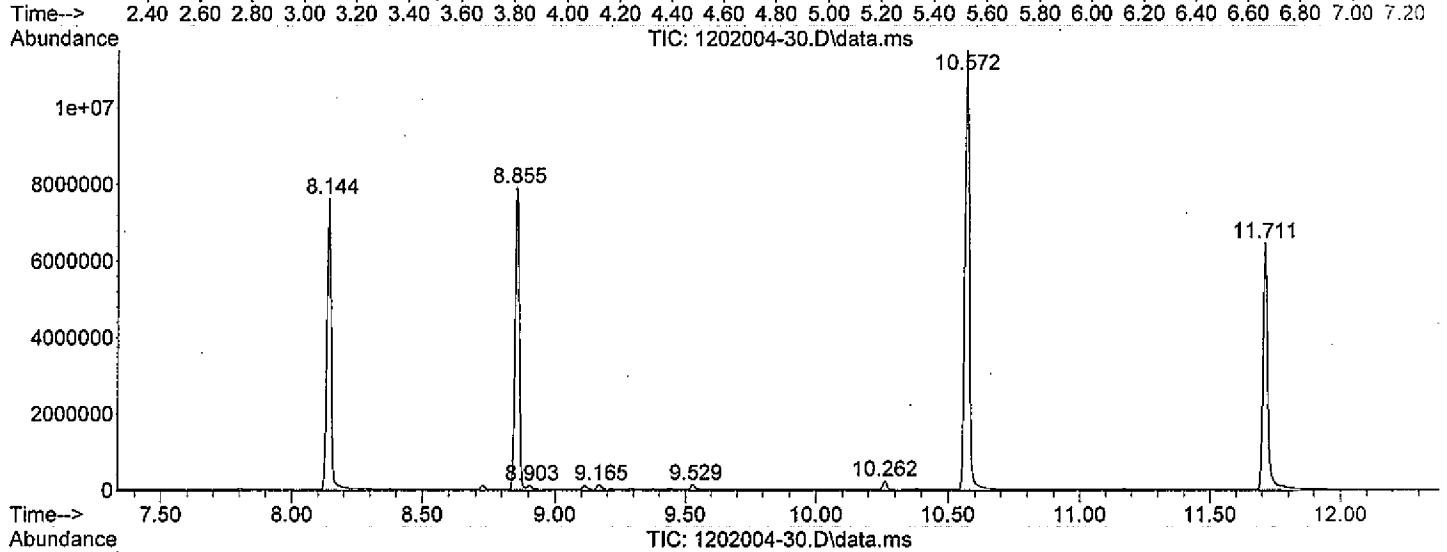
Sum of corrected areas: 117566618

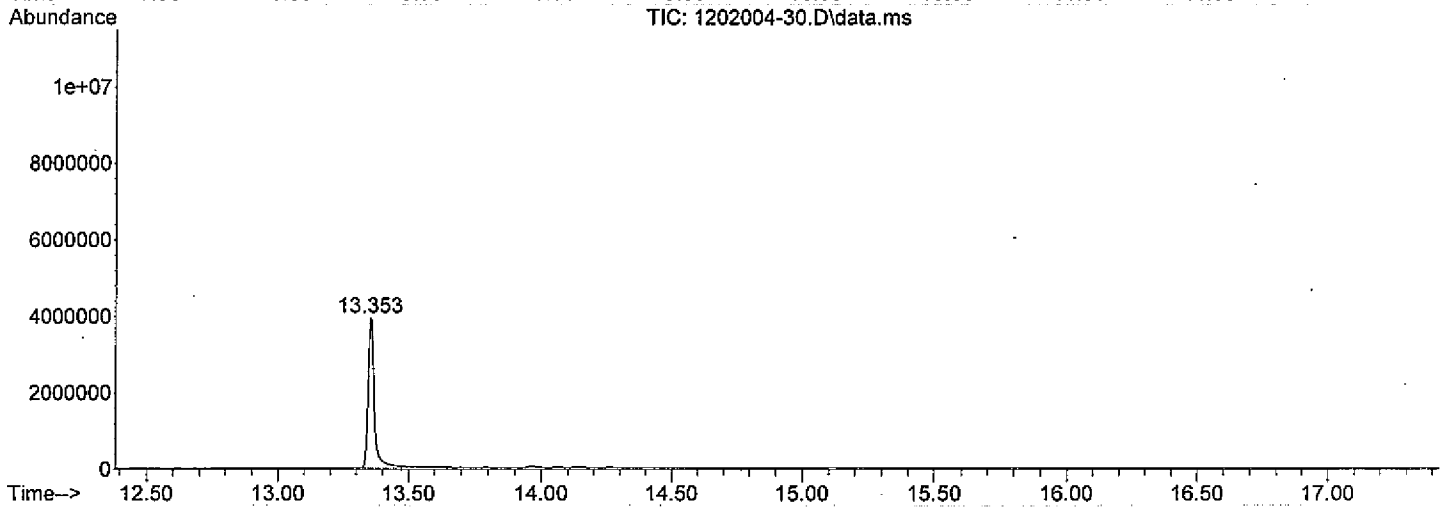
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

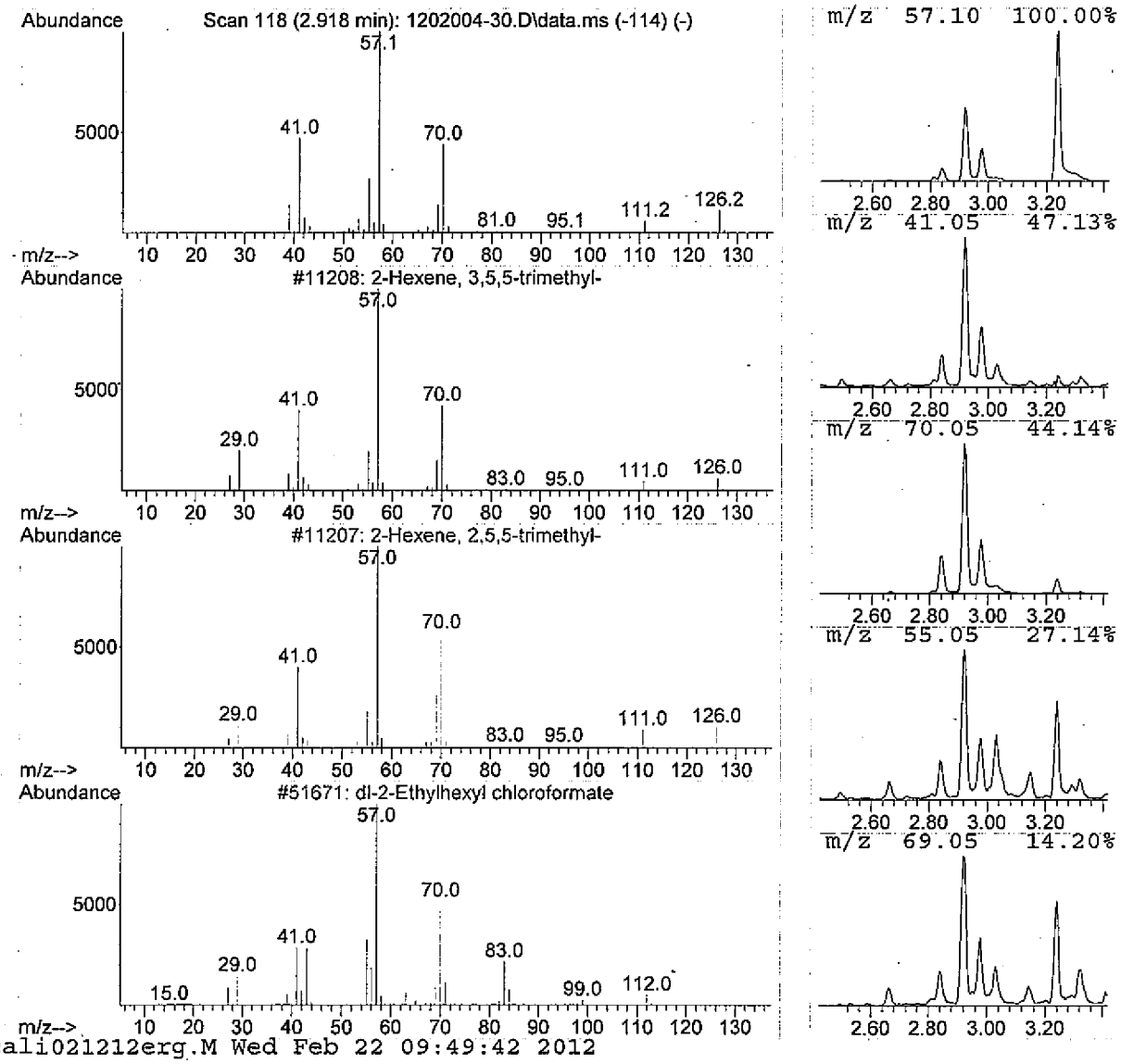
TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.918	3.95 ug/mL	1226290	1,4-Dichlorobenzene-d4	4.250

delin
blk

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	80
3	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	38
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	22



Tentatively Identified Compound (LSC) Summary

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-30.D
Acq On : 21 Feb 2012 6:42 pm
Operator : ERG 96-5975B
Sample : 1202004-30
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.918	3.9	ug/mL	1226290	1	4.250	6211280	20.0

LSC Area Percent Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: 1202004-31.D\data.ms

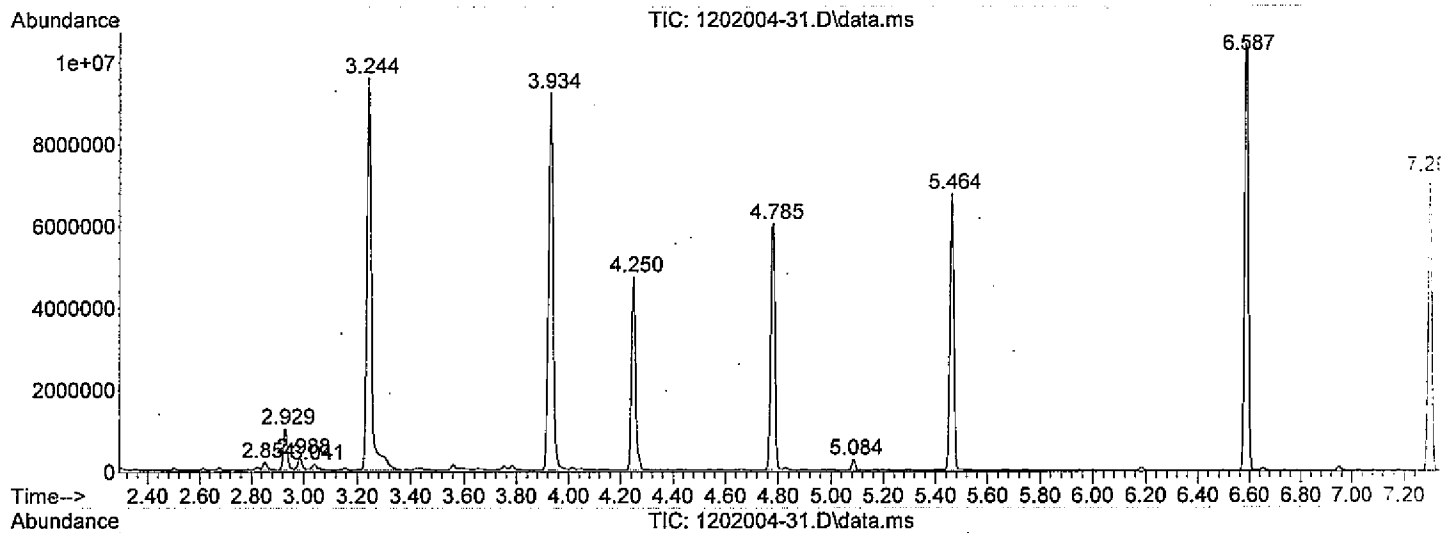
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.854	103	106	115	rVB2	184569	222408	1.76%	0.218%
2	2.929	116	120	127	rVV	1007340	1051352	8.33%	1.029%
3	2.988	127	131	135	rVV	280460	319058	2.53%	0.312%
4	3.041	137	141	147	rVB2	135903	176151	1.39%	0.172%
5	3.244	174	179	204	rVB	9569091	11307253	89.54%	11.068%
6	3.934	301	308	321	rBV	9208775	11397538	90.25%	11.156%
7	4.250	362	367	374	rBV	4705214	5019127	39.74%	4.913%
8	4.785	461	467	472	rBV	5995183	6652291	52.68%	6.511%
9	5.084	520	523	527	rVB	258536	218684	1.73%	0.214%
10	5.464	589	594	598	rBV	6722352	6578608	52.09%	6.439%
11	6.587	799	804	808	rBV	10418914	11022392	87.28%	10.789%
12	7.299	932	937	942	rBV	7164376	7135999	56.51%	6.985%
13	8.144	1089	1095	1113	rBV	7078018	8287548	65.63%	8.112%
14	8.860	1223	1229	1234	rBV	6779903	7460469	59.08%	7.302%
15	10.262	1486	1491	1499	rBV	223066	222542	1.76%	0.218%
16	10.572	1543	1549	1576	rBV	10736326	12628576	100.00%	12.361%
17	11.711	1756	1762	1785	rBV	5284841	6793641	53.80%	6.650%
18	13.359	2062	2070	2095	rBV	3503111	5672501	44.92%	5.552%

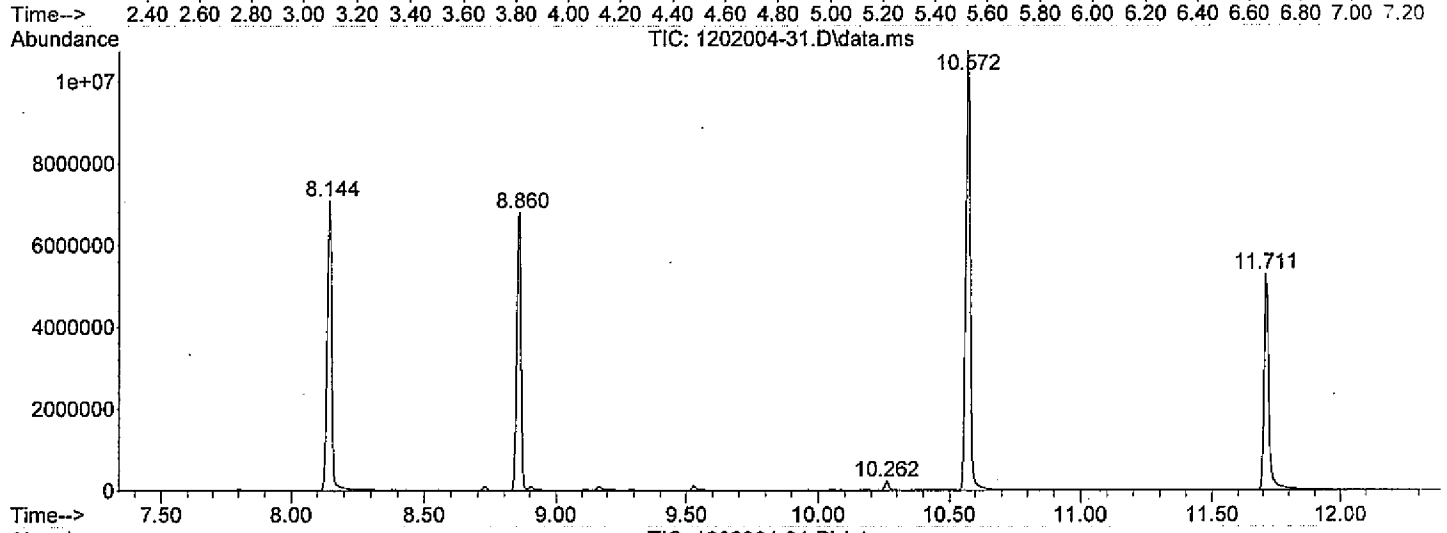
Sum of corrected areas: 102166138

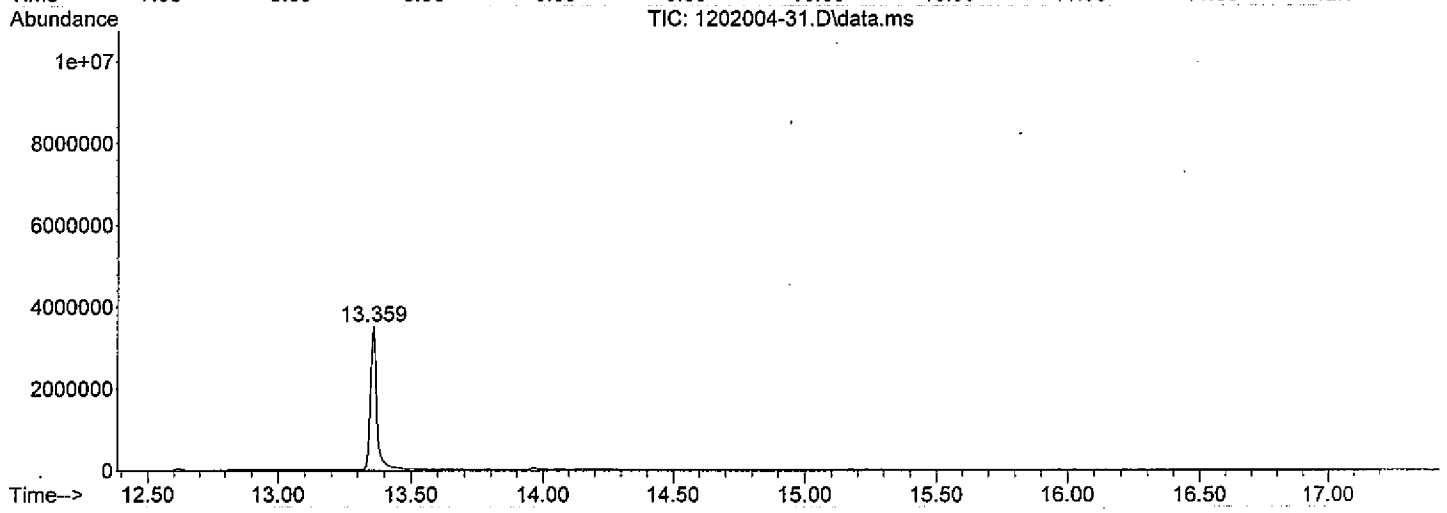
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

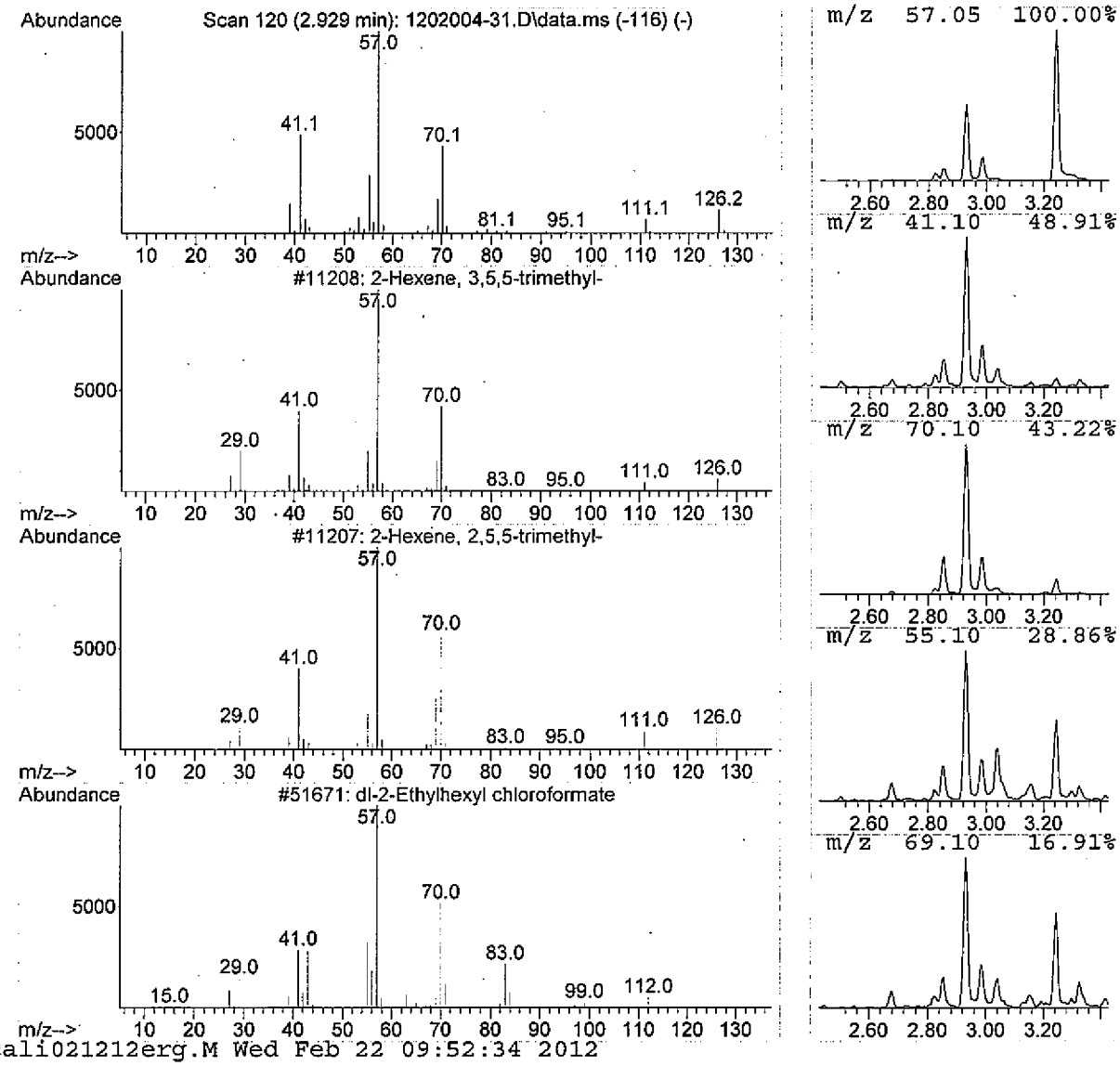
TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.929	4.19 ug/mL	1051350	1,4-Dichlorobenzene-d4	4.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	64
3	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	36
4	3,4,4,-Trimethyl-1-pentyn-3-ol	126	C8H14O	000993-53-3	33
5	Valeraldehyde, 4,4-dimethyl-2-me...	126	C8H14O	005375-28-0	12

del in blk



Tentatively Identified Compound (LSC) summary

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-31.D
Acq On : 21 Feb 2012 7:32 pm
Operator : ERG 96-5975B
Sample : 1202004-31
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.929	4.2	ug/mL	1051350	1	4.250	5019130	20.0

LSC Area Percent Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Title : Calibration 021212

Signal : TIC: 1202004-32.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.838	100	103	107	rVB	120113	115833	1.09%	0.135%
2	2.918	113	118	124	rBV	728312	789299	7.43%	0.923%
3	2.971	124	128	133	rVV	219326	277509	2.61%	0.324%
4	3.025	135	138	145	rVB2	113645	163557	1.54%	0.191%
5	3.239	173	178	200	rVB	6877587	9234226	86.95%	10.794%
6	3.929	301	307	320	rBV	7285684	9351156	88.05%	10.930%
7	4.250	362	367	375	rBV	3800735	4354640	41.00%	5.090%
8	4.779	461	466	473	rBV	5104552	5439178	51.22%	6.358%
9	5.084	520	523	527	rBV	390783	337996	3.18%	0.395%
10	5.464	589	594	599	rBV	5903625	5745018	54.10%	6.715%
11	6.186	725	729	733	rVB	227149	200119	1.88%	0.234%
12	6.587	799	804	808	rBV	9165136	9094965	85.64%	10.631%
13	7.299	932	937	942	rBV	6366315	6255545	58.90%	7.312%
14	8.144	1089	1095	1113	rBV	6290445	6793637	63.97%	7.941%
15	8.855	1223	1228	1235	rBV	6118366	6540928	61.59%	7.646%
16	10.262	1487	1491	1499	rBV	183657	184042	1.73%	0.215%
17	10.572	1543	1549	1572	rBV	9451582	10620071	100.00%	12.414%
18	11.711	1756	1762	1779	rBV	4410432	5687065	53.55%	6.647%
19	13.353	2062	2069	2093	rBV	2739143	4367739	41.13%	5.105%

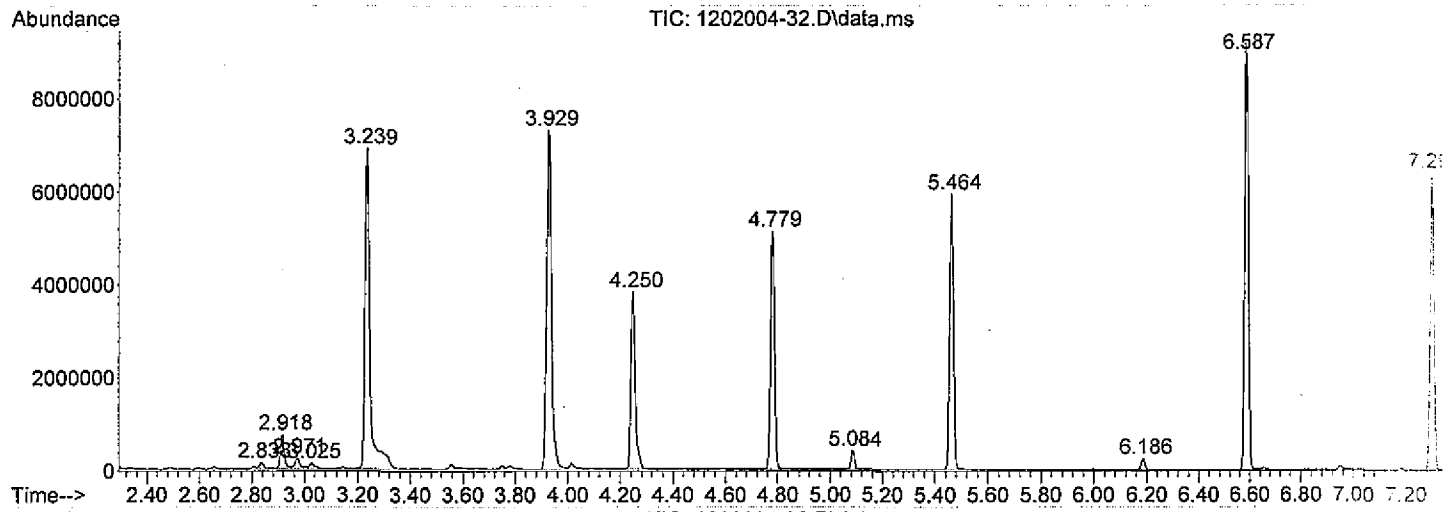
Sum of corrected areas: 85552523

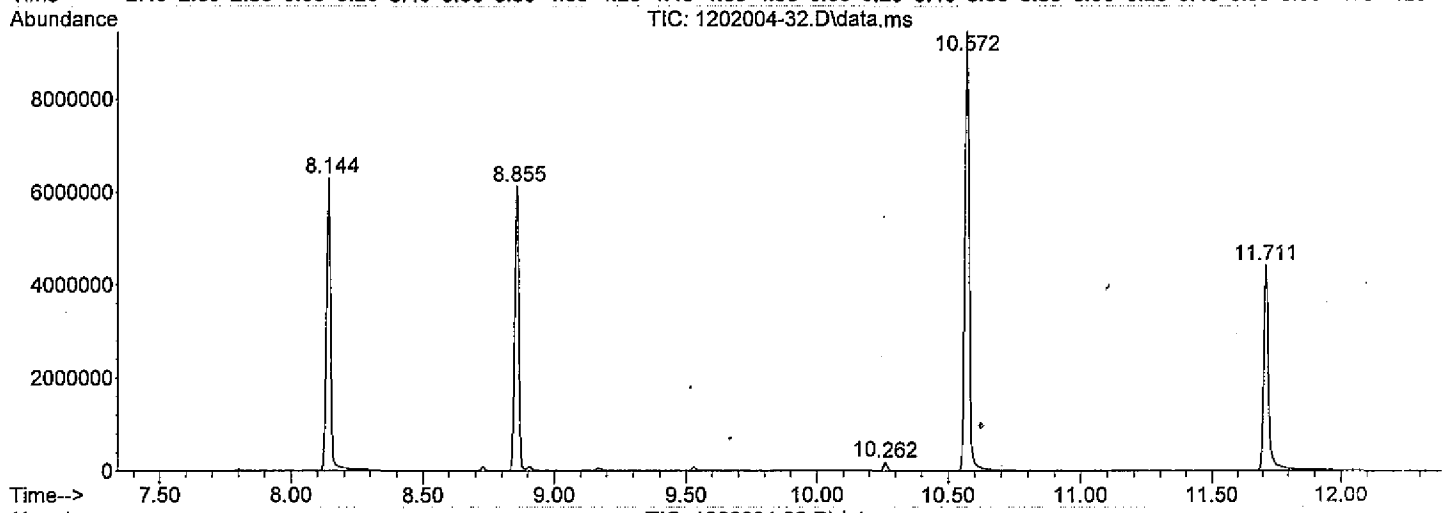
LSC Report - Integrated Chromatogram

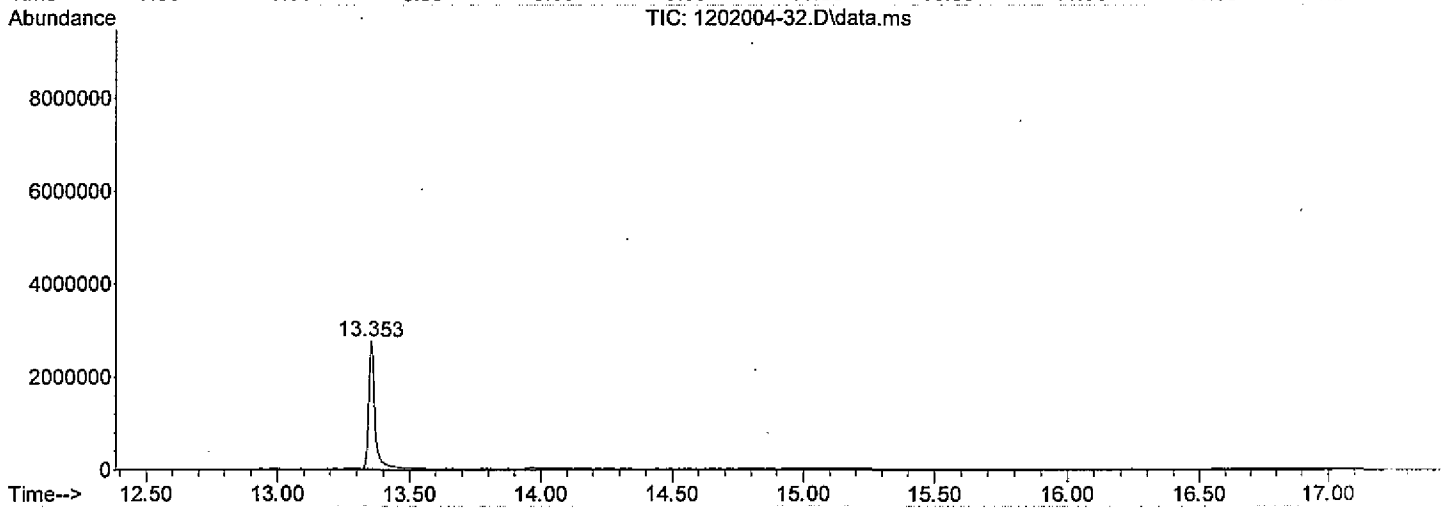
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P







Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

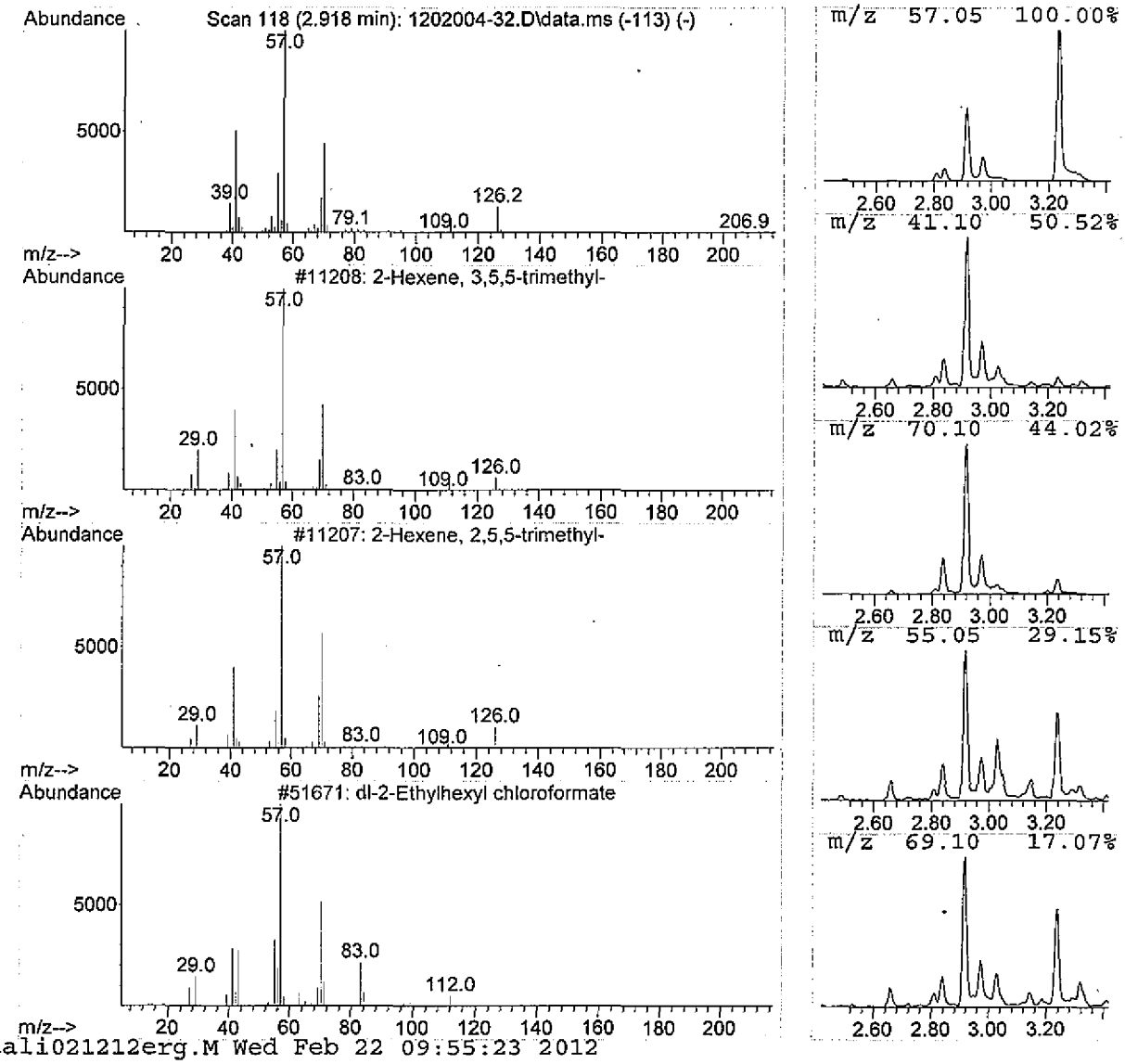
TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Hexene, 3,5,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.918	3.63 ug/mL	789299	1,4-Dichlorobenzene-d4	4.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	91
2	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	80
3	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	36
4	trans-7-Methyl-3-octene	126	C9H18	1000113-52-8	22
5	2-Butenal, (E)-	70	C4H6O	000123-73-9	17

del in blk



Tentatively Identified Compound (LSC) summary

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : 1202004-32.D
Acq On : 21 Feb 2012 8:23 pm
Operator : ERG 96-5975B
Sample : 1202004-32
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212

TIC Library : C:\Database\NIST05a.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Hexene, 3,5,5...	2.918	3.6	ug/mL	789299	1	4.250	4354640	20.0

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

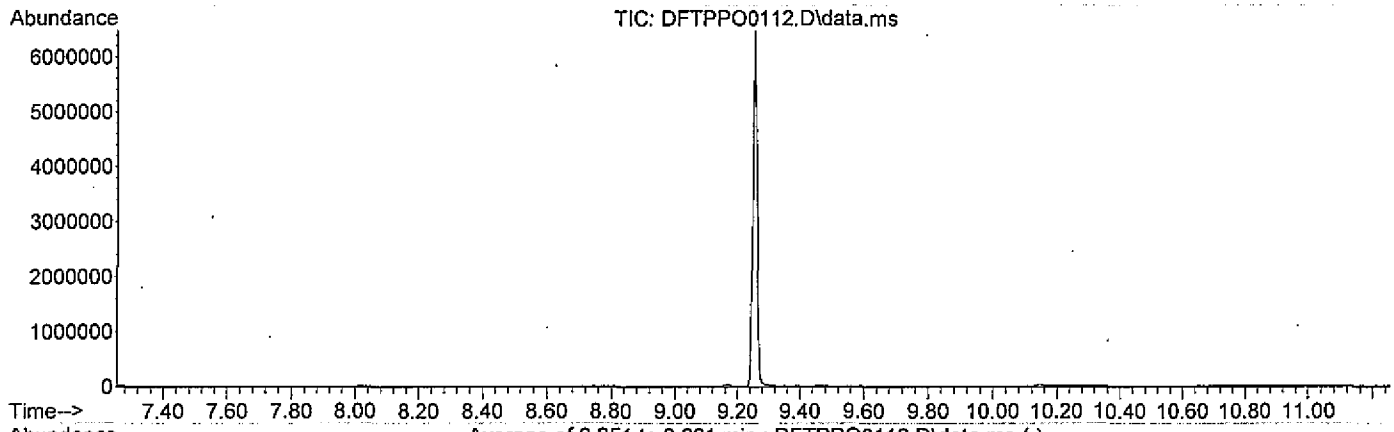
DAS R33907

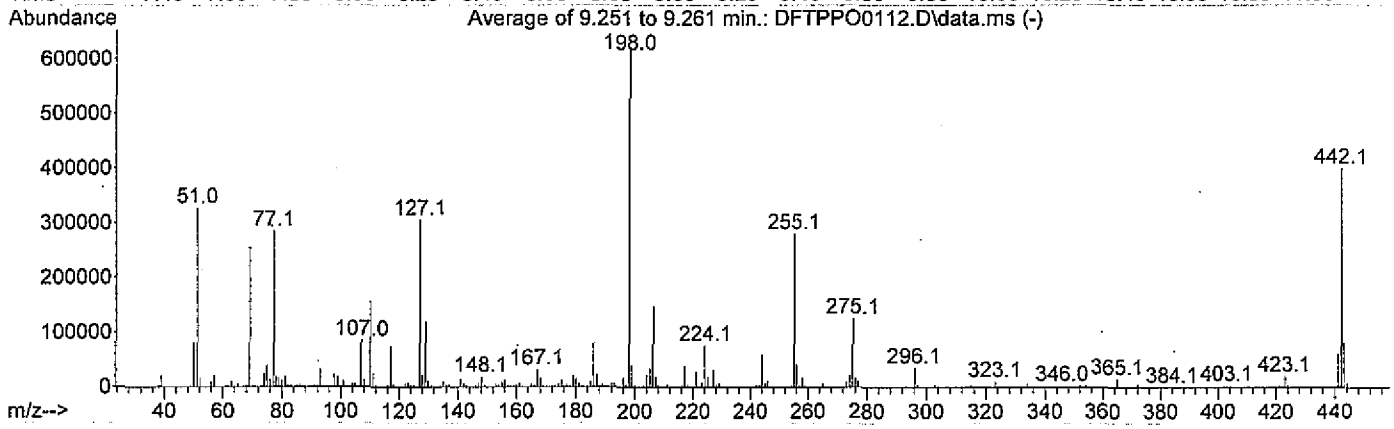
Calibration Data

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : DFTPPO0112.D
Acq On : 21 Feb 2012 2:02 pm
Operator : ERG 96-5975B
Sample : DFTPPO0112
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Title : DIMOCK Calibration 021212
Last Update : Wed Feb 22 09:03:11 2012





AutoFind: Scans 1302, 1303, 1304; Background Corrected with Scan 1296

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.7	327549	PASS
68	69	0.00	2	1.5	3963	PASS
69	198	0.00	100	41.3	256256	PASS
70	69	0.00	2	0.5	1214	PASS
127	198	40	60	49.2	305664	PASS
197	198	0.00	1	0.8	5001	PASS
198	198	100	100	100.0	621077	PASS
199	198	5	9	6.6	41133	PASS
275	198	10	30	20.2	125645	PASS
365	198	1	100	2.4	15148	PASS
441	443	0.01	100	74.6	60328	PASS
442	198	40	100	64.2	398933	PASS
443	442	17	23	20.3	80896	PASS

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

CCV
3out

Quant Time: Feb 22 09:18:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	61	0.00
2		N-Nitrosodimethylamine	0.946	0.795	16.0	58	0.00
3	S	2-Fluorophenol	1.204	1.096	9.0	58	0.00
4		Benzaldehyde	1.104	0.892	19.2	59	0.00
5	S	Phenol-d6	1.339	1.187	11.4	59	0.00
6		Phenol	1.514	1.378	9.0	59	0.00
7		Bis(2-chloroethyl)ether	1.473	1.270	13.8	59	0.00
8		2-Chlorophenol	1.439	1.282	10.9	58	0.00
9		2-Methylphenol	1.301	1.157	11.1	59	0.00
10		Bis(2-chloroisopropyl)ether	2.966	2.351	20.7#	56	0.00 -out
11		Acetophenone	1.816	1.575	13.3	60	0.00
12		4-Methylphenol	1.359	1.168	14.1	57	0.00
13		Hexachloroethane	0.580	0.552	4.8	65	0.00
14		N-Nitroso-di-n-propylamine	1.003	0.895	10.8	60	0.00
15	I	Naphthalene-d8	1.000	1.000	0.0	61	0.00
16	S	Nitrobenzene-d5	0.339	0.347	-2.4	63	0.00
17		Nitrobenzene	0.362	0.334	7.7	62	0.00
18		Isophorone	0.674	0.615	8.8	60	0.00
19		2-Nitrophenol	0.180	0.173	3.9	59	0.00
20		2,4-Dimethylphenol	0.332	0.305	8.1	63	0.00
21		Bis(2-chloroethoxy)methane	0.422	0.377	10.7	61	0.00
22		2-4-Dichlorophenol	0.271	0.249	8.1	61	0.00
23		Naphthalene	0.933	0.847	9.2	73	0.00
24		4-Chloroaniline	0.412	0.360	12.6	59	0.00
25		Hexachlorobutadiene	0.143	0.134	6.3	63	0.00
26		Caprolactam	0.107	0.102	4.7	61	0.00
27		4-Chloro-3-methylphenol	0.285	0.278	2.5	63	0.00
28		2-Methylnaphthalene	0.656	0.581	11.4	66	0.00
29	I	Acenaphthene-d10	1.000	1.000	0.0	63	0.00
30		Hexachlorocyclopentadiene	0.231	0.257	-11.3	68	0.00
31		1,2,4,5-tetrachlorobenzene	0.498	0.444	10.8	62	0.00
32		2,4,6-Trichlorophenol	0.332	0.309	6.9	60	0.00
33		2,4,5-Trichlorophenol	0.342	0.315	7.9	60	0.00
34	S	2-Fluorobiphenyl	1.132	1.154	-1.9	64	0.00
35		2-Chloronaphthalene	1.078	0.903	16.2	64	0.00
36		1,1-Biphenyl	1.381	1.094	20.8#	66	0.00 ±40
37		2-Nitroaniline	0.401	0.405	-1.0	64	0.00
38		Acenaphthylene	1.675	1.393	16.8	66	0.00
39		Dimethyl phthalate	1.321	1.272	3.7	65	0.00
40		2,6-Dinitrotoluene	0.254	0.225	11.4	66	0.00
41		3-Nitroaniline	0.353	0.331	6.2	60	0.00
42		Acenaphthene	1.165	1.049	10.0	67	0.00
43		2,4-Dinitrophenol	0.125	0.158	-26.4#	60	0.00 -out
44		Dibenzofuran	1.531	1.414	7.6	68	0.00
45		4-Nitrophenol	0.144	0.161	-11.8	64	0.00
46		2,4-Dinitrotoluene	0.411	0.433	-5.4	64	0.00

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

CC'

Quant Time: Feb 22 09:18:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		2,3,4,6-tetrachlorophenol	0.252	0.248	1.6	61	0.00
48		Fluorene	1.095	0.928	15.3	68	0.00
49		Diethyl phthalate	1.241	1.229	1.0	66	0.00
50		4-Chlorophenyl phenyl ether	0.508	0.436	14.2	66	0.00
51		4-Nitroaniline	0.298	0.267	10.4	56	0.00
52	I	Phenanthrene-d10	1.000	1.000	0.0	65	0.00
53		4,6-Dinitro-2-methylphenol	0.106	0.114	-7.5	60	0.00
54		N-Nitrosodiphenylamine	0.620	0.521	16.0	66	0.00
55	S	2,4,6-Tribromophenol	0.074	0.065	12.2	61	0.00
56		4-Bromophenyl phenyl ether	0.181	0.160	11.6	63	0.00
57		Hexachlorobenzene	0.195	0.176	9.7	63	0.00
58		Atrazine	0.209	0.190	9.1	63	0.00
59		Pentachlorophenol	0.120	0.117	2.5	60	0.00
60		Phenanthrene	1.041	0.939	9.8	72	0.00
61		Anthracene	1.056	0.976	7.6	75	0.00
62		Carbazole	0.968	0.882	8.9	68	0.00
63		Di-n-butyl phthalate	1.135	1.117	1.6	85	0.00
64		Fluoranthene	1.090	1.022	6.2	72	0.00
65	I	Chrysene-d12	1.000	1.000	0.0	60	0.00
66		Pyrene	1.406	1.482	-5.4	73	0.00
67	S	Terphenyl-d14	0.765	0.806	-5.4	63	0.00
68		Butyl benzyl phthalate	0.581	0.618	-6.4	66	0.00
69		Benzo(a)anthracene	1.089	1.071	1.7	62	0.00
70		3,3'-Dichlorobenzidine	0.309	0.255	17.5	51	0.00
71		Chrysene	1.054	1.040	1.3	62	0.00
72		Bis(2-ethylhexyl)phthalate	0.751	0.799	-6.4	66	0.00
73	I	Perylene-d12	1.000	1.000	0.0	53	0.00
74		Di-n-octyl phthalate	1.399	1.720	-22.9#	64	0.00 -out
75		Benzo(b)fluoranthene	1.211	1.152	4.9	48#	0.00
76		Benzo(k)fluoranthene	1.138	1.146	-0.7	55	0.00
77		Benzo(a)pyrene	1.092	1.143	-4.7	54	0.00
78		Indeno(1,2,3-cd)pyrene	0.899	0.797	11.3	50	0.00
79		Dibenz(a,h)anthracene	0.727	0.646	11.1	50#	0.00
80		Benzo(ghi)perylene	0.748	0.637	14.8	50	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 09:18:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	842683	20.000 ug/mL	0.00
15) Naphthalene-d8	5.469	136	3328308	20.000 ug/mL	0.00
29) Acenaphthene-d10	7.309	164	1743407	20.000 ug/mL	0.00
52) Phenanthrene-d10	8.866	188	3121118	20.000 ug/mL	0.00
65) Chrysene-d12	11.727	240	2201484	20.000 ug/mL	0.00
73) Perylene-d12	13.364	264	1581115	20.000 ug/mL	0.00
System Monitoring Compounds					
3) 2-Fluorophenol	3.244	112	4619259	91.049 ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 91.05%		
5) Phenol-d6	3.945	99	5000720	88.618 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 88.62%		
16) Nitrobenzene-d5	4.795	82	2883955	51.190 ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 102.38%		
34) 2-Fluorobiphenyl	6.598	172	5027686	50.970 ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 101.94%		
55) 2,4,6-Tribromophenol	8.160	330	1015237	87.548 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 87.55%		
67) Terphenyl-d14	10.577	244	4435069	52.681 ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 105.36%		
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.485	74	2009823	50.414 ug/mL#	83
4) Benzaldehyde	3.897	77	2254091	48.441 ug/mL	96
6) Phenol	3.956	94	3482620	54.606 ug/mL	92
7) Bis(2-chloroethyl)ether	4.047	93	3210688	51.715 ug/mL	98
8) 2-Chlorophenol	4.100	128	3240579	53.461 ug/mL	96
9) 2-Methylphenol	4.480	108	2924826	53.363 ug/mL	99
10) Bis(2-chloroisopropyl)...	4.523	45	5942436	47.554 ug/mL#	92
11) Acetophenone	4.646	105	3980466	52.029 ug/mL#	73
12) 4-Methylphenol	4.630	108	2953041	51.559 ug/mL	94
13) Hexachloroethane	4.715	117	1394793	57.096 ug/mL	95
14) N-Nitroso-di-n-propyla...	4.683	70	2262032	53.511 ug/mL#	86
17) Nitrobenzene	4.811	77	3338217	55.433 ug/mL	95
18) Isophorone	5.036	82	6136601	54.732 ug/mL	96
19) 2-Nitrophenol	5.111	139	1727234	57.675 ug/mL#	87
20) 2,4-Dimethylphenol	5.138	107	3042867	55.007 ug/mL	93
21) Bis(2-chloroethoxy)met...	5.239	93	3761183	53.586 ug/mL	99
22) 2-4-Dichlorophenol	5.341	162	2488302	55.194 ug/mL	96
23) Naphthalene	5.496	128	8460303	54.514 ug/mL	99
24) 4-Chloroaniline	5.560	127	3596812	52.432 ug/mL	98
25) Hexachlorobutadiene	5.667	225	1341123	56.384 ug/mL	100
26) Caprolactam	5.951	113	1014260	56.773 ug/mL#	74
27) 4-Chloro-3-methylphenol	6.063	107	2776738	58.538 ug/mL	94
28) 2-Methylnaphthalene	6.197	142	5801058	53.111 ug/mL	99
30) Hexachlorocyclopentadiene	6.427	237	1345208	66.876 ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.411	216	2324069	53.565 ug/mL#	98
32) 2,4,6-Trichlorophenol	6.518	196	1617973	55.940 ug/mL	93
33) 2,4,5-Trichlorophenol	6.566	196	1646057	55.231 ug/mL	94
35) 2-Chloronaphthalene	6.710	162	4721142	50.253 ug/mL	97
36) 1,1-Biphenyl	6.694	154	5723414	47.550 ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 09:18:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

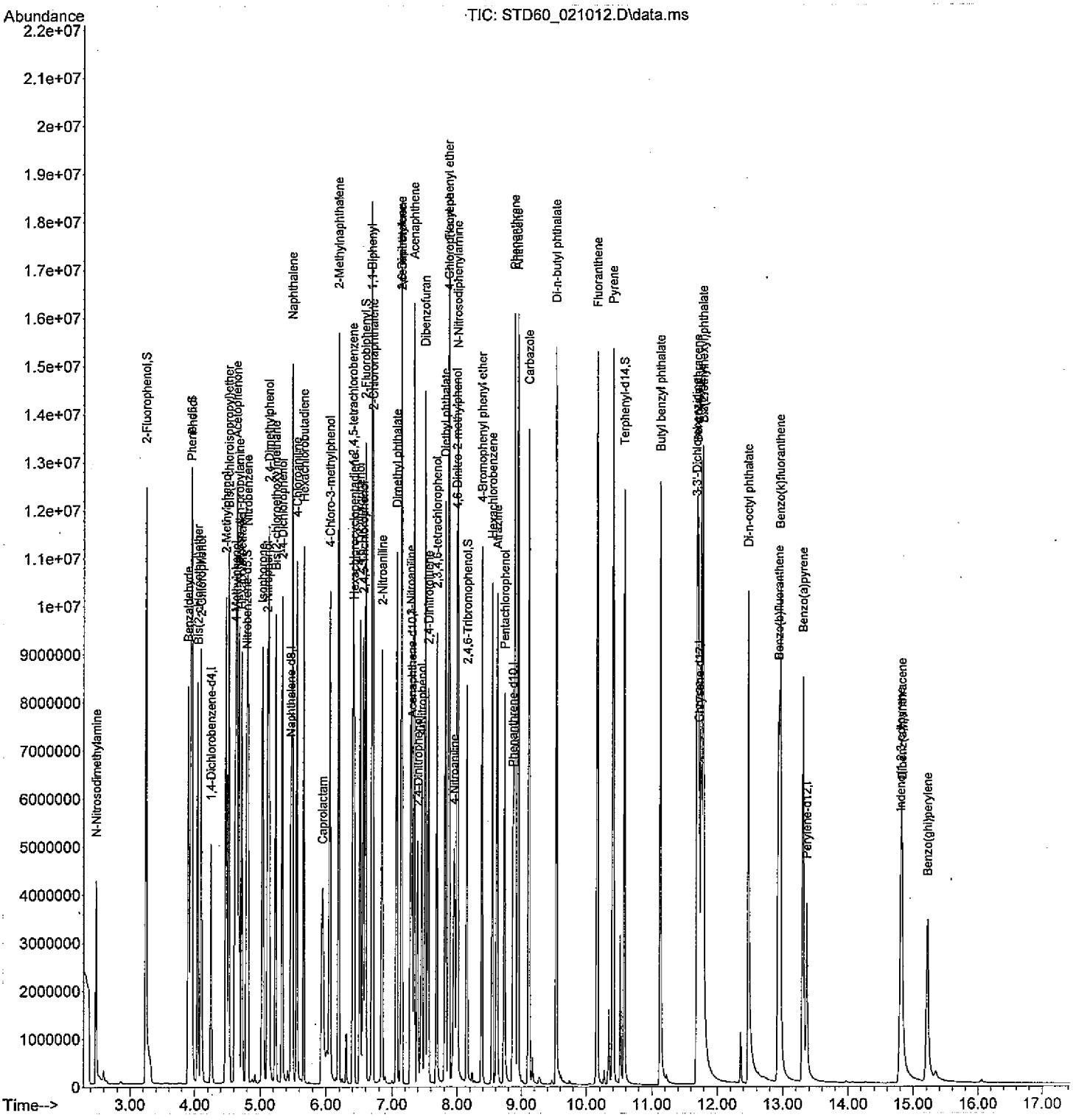
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37)	2-Nitroaniline	6.849	65	2120559	60.647 ug/mL	89
38)	Acenaphthylene	7.149	152	7285846	49.911 ug/mL	99
39)	Dimethyl phthalate	7.074	163	6654845	57.783 ug/mL	99
40)	2,6-Dinitrotoluene	7.149	165	1175071	53.170 ug/mL	90
41)	3-Nitroaniline	7.293	138	1731792	56.270 ug/mL	87
42)	Acenaphthene	7.347	153	5488722	54.048 ug/mL	96
43)	2,4-Dinitrophenol	7.400	184	826214	75.611 ug/mL	96
44)	Dibenzofuran	7.512	168	7394493	55.397 ug/mL	99
45)	4-Nitrophenol	7.464	109	841651	67.228 ug/mL	94
46)	2,4-Dinitrotoluene	7.561	165	2265989	63.316 ug/mL	99
47)	2,3,4,6-tetrachlorophenol	7.689	232	1295996	59.022 ug/mL#	90
48)	Fluorene	7.882	166	4851345	50.812 ug/mL	100
49)	Diethyl phthalate	7.823	149	6429717	59.455 ug/mL	98
50)	4-Chlorophenyl phenyl ...	7.876	204	2279034	51.458 ug/mL	96
51)	4-Nitroaniline	7.956	138	1397546	53.818 ug/mL	99
53)	4,6-Dinitro-2-methylph...	7.999	198	1068493	64.322 ug/mL#	32
54)	N-Nitrosodiphenylamine	8.015	169	4875901	50.434 ug/mL	97
56)	4-Bromophenyl phenyl e...	8.390	248	1498119	53.004 ug/mL	97
57)	Hexachlorobenzene	8.550	284	1652010	54.356 ug/mL	97
58)	Atrazine	8.625	200	1778081	54.492 ug/mL	96
59)	Pentachlorophenol	8.737	266	1097234	58.790 ug/mL	99
60)	Phenanthrene	8.898	178	8790897	54.117 ug/mL	98
61)	Anthracene	8.946	178	9136374	55.415 ug/mL	99
62)	Carbazole	9.117	167	8255028	54.624 ug/mL	100
63)	Di-n-butyl phthalate	9.540	149	10460064	59.069 ug/mL	99
64)	Fluoranthene	10.171	202	9572687	56.271 ug/mL#	92
66)	Pyrene	10.406	202	9789646	63.256 ug/mL#	92
68)	Butyl benzyl phthalate	11.134	149	4083328	63.838 ug/mL	100
69)	Benzo(a)anthracene	11.706	228	7075247	58.998 ug/mL	99
70)	3,3'-Dichlorobenzidine	11.690	252	1687430	49.685 ug/mL	98
71)	Chrysene	11.759	228	6868644	59.177 ug/mL	98
72)	Bis(2-ethylhexyl)phtha...	11.791	149	5279401	63.854 ug/mL	97
74)	Di-n-octyl phthalate	12.481	149	8157724	73.738 ug/mL	100
75)	Benzo(b)fluoranthene	12.941	252	5466119	57.093 ug/mL	99
76)	Benzo(k)fluoranthene	12.963	252	5435595m	60.408 ug/mL	
77)	Benzo(a)pyrene	13.310	252	5420363	62.796 ug/mL	99
78)	Indeno(1,2,3-cd)pyrene	14.813	276	3782380	53.206 ug/mL#	77
79)	Dibenz(a,h)anthracene	14.835	278	3064892	53.354 ug/mL	98
80)	Benzo(ghi)perylene	15.225	276	3022222	51.126 ug/mL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

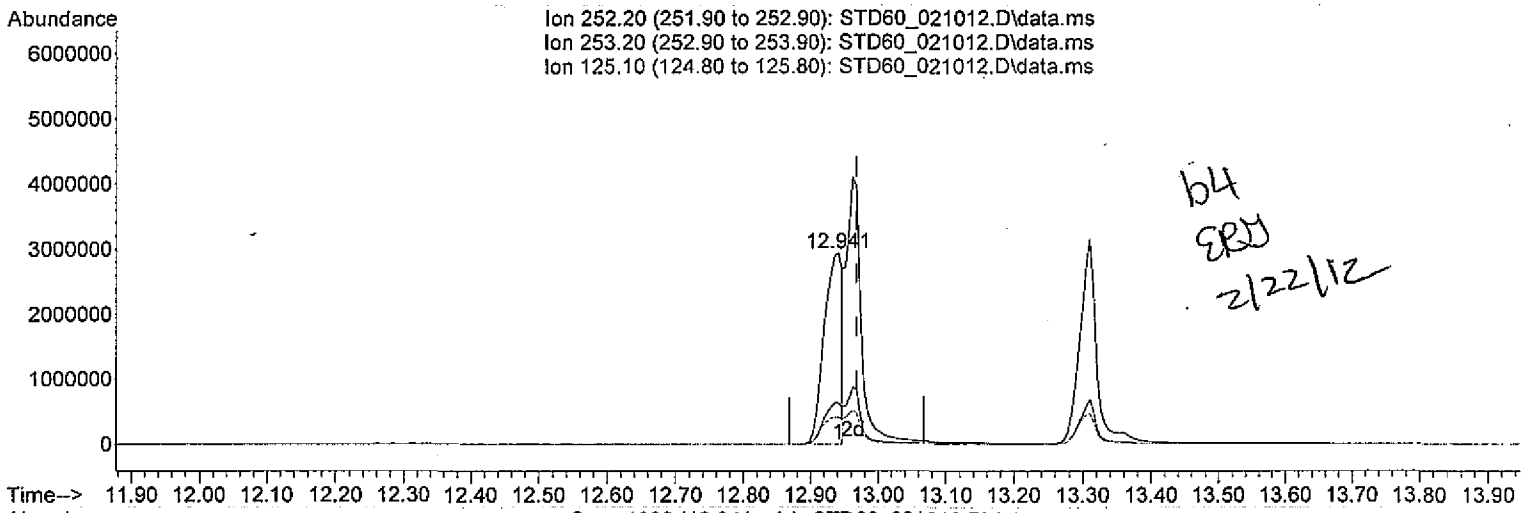
Quant Time: Feb 22 09:18:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



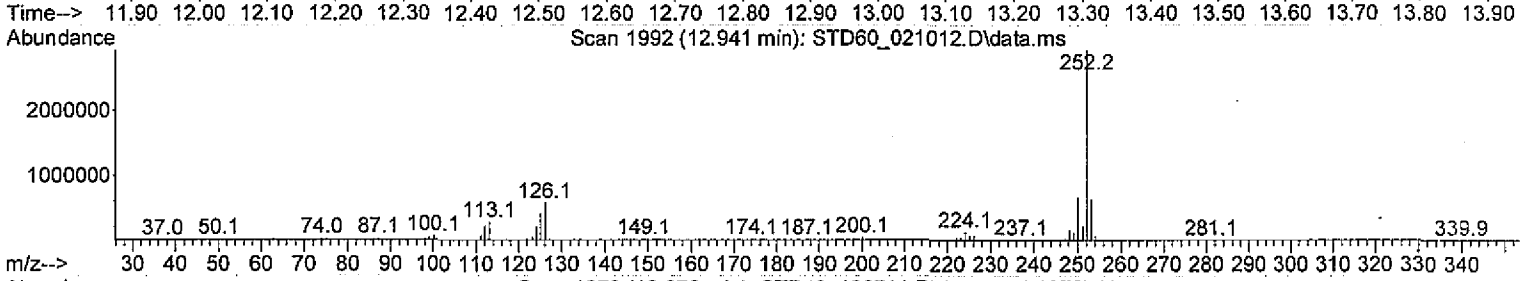
Quantitation Report (Qedit)

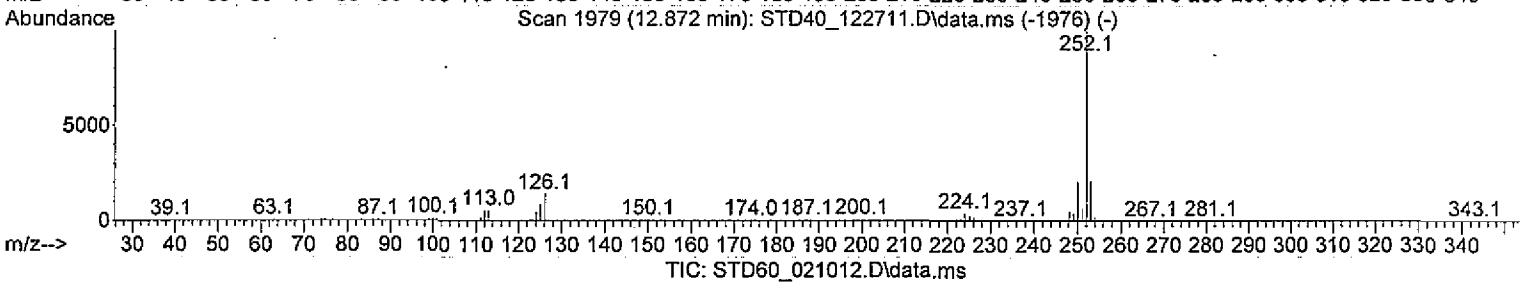
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 09:16:47 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



b4
ERY
2/22/12





TIC: STD60_021012.D\data.ms

(76) Benzo(k)fluoranthene

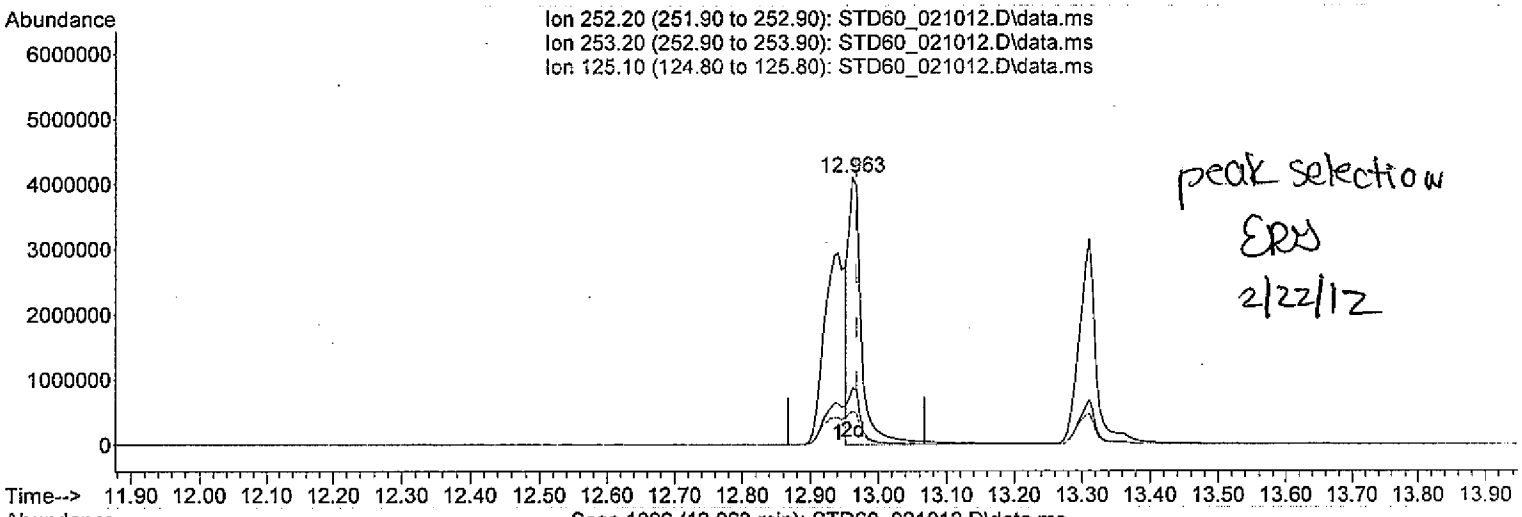
12.941min (-0.027) 60.73 ug/mL

response 5464642

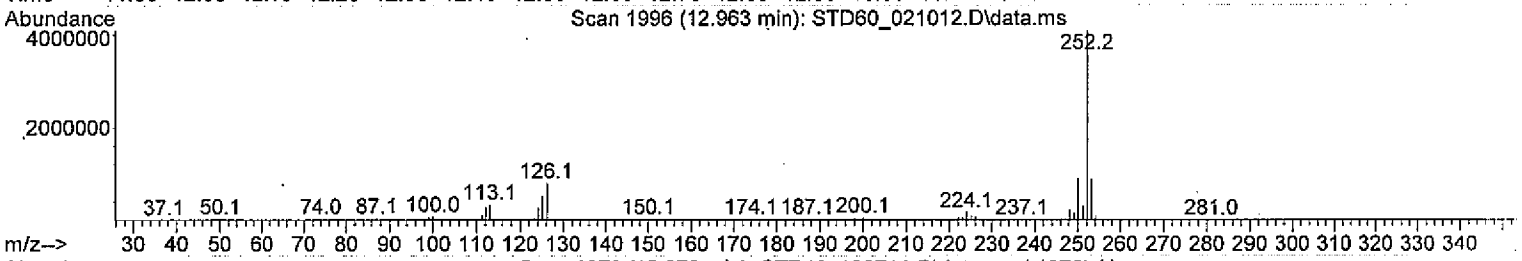
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.71
125.10	14.90	15.58
0.00	0.00	0.00

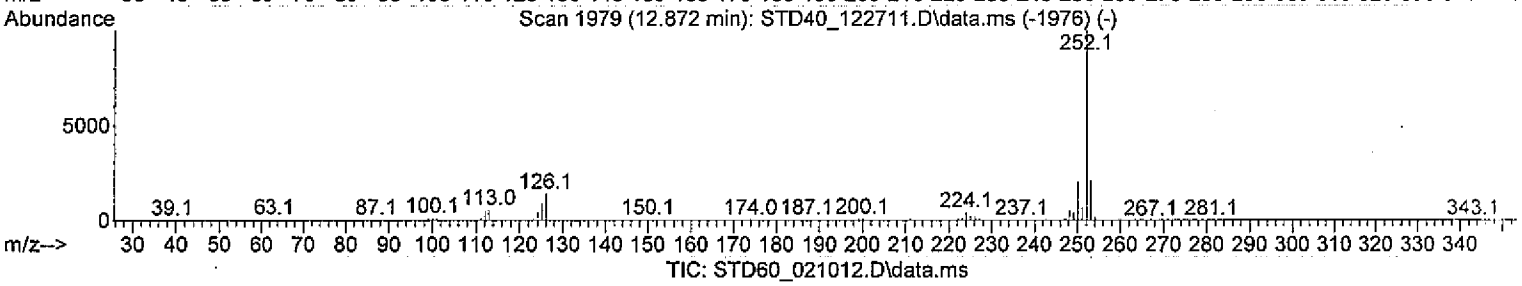
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD60_021012.D
Acq On : 21 Feb 2012 2:28 pm
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 22 09:16:47 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
ERS
2/22/12





TIC: STD60_021012.D\data.ms

(76) Benzo(k)fluoranthene

12.963min (-0.005) 60.41 ug/mL m

response 5435595

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.83
125.10	14.90	15.66
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD40_021012B.D
Acq On : 21 Feb 2012 3:18 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 09:21:30 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

CCV

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	59	0.00
2		2-methoxyethanol	0.052	0.051	1.9	57	0.00
3	I	Naphthalene-d8	1.000	1.000	0.0	59	0.00
4		1-Methylnaphthalene	0.577	0.564	2.3	62	0.00
5	I	Acenaphthene-d10	1.000	1.000	0.0	63	0.00
6	I	Phenanthrene-d10	1.000	1.000	0.0	65	0.00
7	I	Chrysene-d12	1.000	1.000	0.0	69	0.00
8	I	Perylene-d12	1.000	1.000	0.0	63	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD40_021012B.D
Acq On : 21 Feb 2012 3:18 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 2 Sample Multiplier: 1

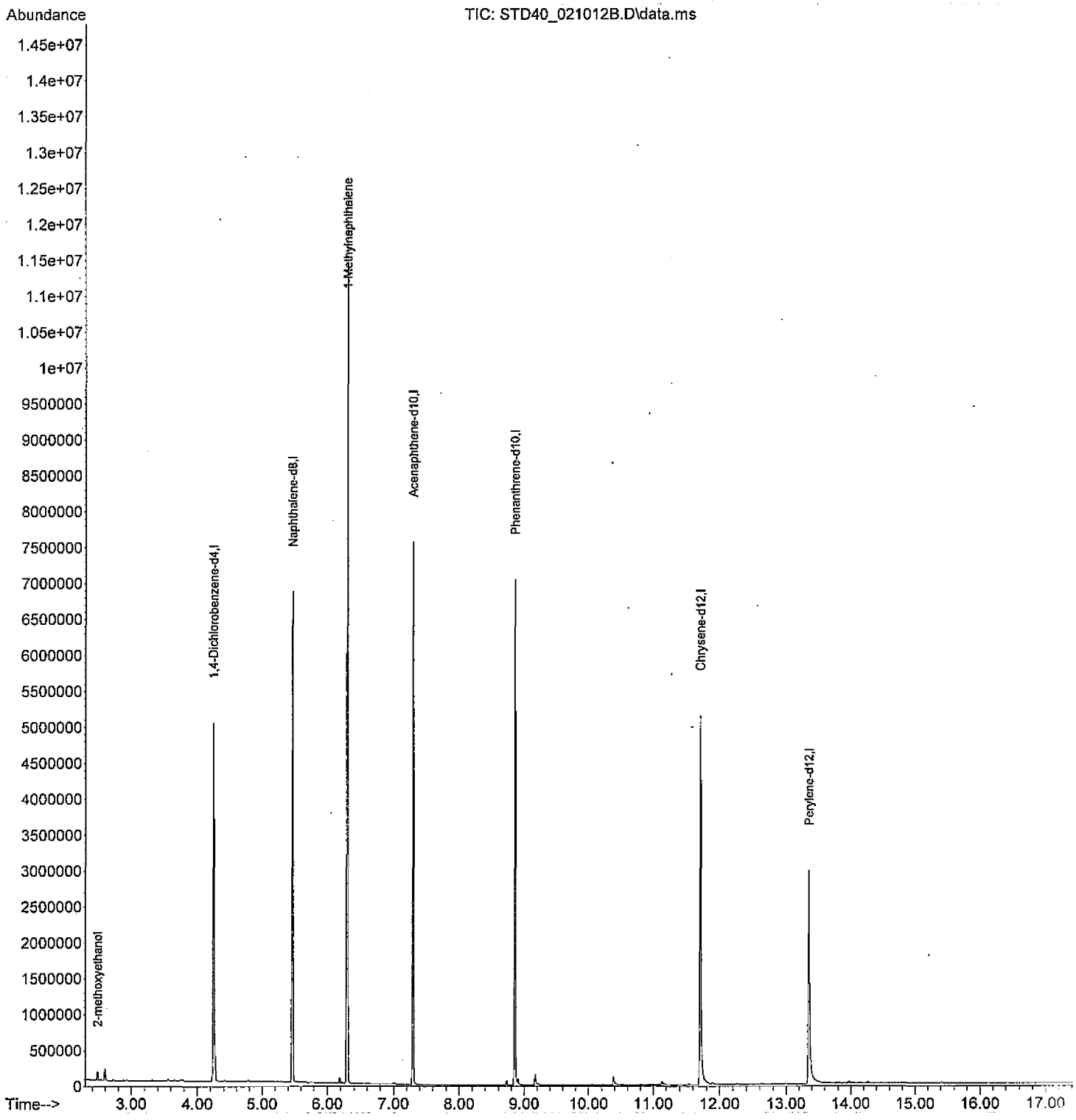
Quant Time: Feb 22 09:21:30 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.245	152	840457	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3300721	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.299	164	1776650	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.855	188	2829254	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2182316	20.000	ug/mL	0.00
8) Perylene-d12	13.353	264	1574495	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	83295	38.031	ug/mL#	69
4) 1-Methylnaphthalene	6.304	142	3720382	39.039	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : STD40_021012B.D
Acq On : 21 Feb 2012 3:18 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 09:21:30 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Comment: Initial Calibration 021212
Operator: ERG 96-5975B
Data Path: D:\DATA\SVOC\2012\FEB\021212 ERG 02/12/12
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info
1) Sample	100	DFTPPG0112
Datafile		DFTPPG0112
Method		FULL SCAN R6100+
2) Sample	99	MECL2BLK1
Datafile		MECL2BLK1
Method		FULL SCAN R6100+
3) Sample	1	STD05_021012B
Datafile		STD05_021012B
Method		FULL SCAN R6100+
4) Sample	99	MECL2BLK2
Datafile		MECL2BLK2
Method		FULL SCAN R6100+
5) Sample	2	STD10_021012B
Datafile		STD10_021012B
Method		FULL SCAN R6100+
6) Sample	99	MECL2BLK3
Datafile		MECL2BLK3
Method		FULL SCAN R6100+
7) Sample	3	STD20_021012B
Datafile		STD20_021012B
Method		FULL SCAN R6100+
8) Sample	99	MECL2BLK4
Datafile		MECL2BLK4
Method		FULL SCAN R6100+
9) Sample	4	STD40_021012B
Datafile		STD40_021012B
Method		FULL SCAN R6100+
10) Sample	99	MECL2BLK5
Datafile		MECL2BLK5
Method		FULL SCAN R6100+
11) Sample	5	STD60_021012B
Datafile		STD60_021012B
Method		FULL SCAN R6100+
12) Sample	99	MECL2BLK6
Datafile		MECL2BLK6
Method		FULL SCAN R6100+
13) Sample	6	STD80_021012B
Datafile		STD80_021012B
Method		FULL SCAN R6100+
14) Sample	99	MECL2BLK7
Datafile		MECL2BLK7
Method		FULL SCAN R6100+
15) Sample	7	~~SCV60_012612~~
Datafile		~~SCV60_012612~~
Method		~~FULL SCAN R6100+~~
16) Sample	99	MECL2BLK8
Datafile		MECL2BLK8
Method		FULL SCAN R6100+
17) Sample	8	STD05_021012
Datafile		STD05_021012
Method		FULL SCAN R6100+
18) Sample	99	MECL2BLK9
Datafile		MECL2BLK9
Method		FULL SCAN R6100+

Initial Calibrations Reviewed by Kevin Bolt 2/13/12

1MNSCV_012612 Should have been ERG 2/13/12

Last Modified: Sun Feb 12 15:27:36 2012

```
     Datafile          STD10_021012
     Method            FULL SCAN R6100+
20) Sample        99   MECL2BLK10
     Datafile          MECL2BLK10
     Method            FULL SCAN R6100+
21) Sample        10   STD20_021012
     Datafile          STD20_021012
     Method            FULL SCAN R6100+
22) Sample        99   MECL2BLK11
     Datafile          MECL2BLK11
     Method            FULL SCAN R6100+
23) Sample        11   STD40_021012
     Datafile          STD40_021012
     Method            FULL SCAN R6100+
24) Sample        99   MECL2BLK12
     Datafile          MECL2BLK12
     Method            FULL SCAN R6100+
25) Sample        12   STD60_021012
     Datafile          STD60_021012
     Method            FULL SCAN R6100+
26) Sample        99   MECL2BLK13
     Datafile          MECL2BLK13
     Method            FULL SCAN R6100+
27) Sample        13   STD80_021012
     Datafile          STD80_021012
     Method            FULL SCAN R6100+
28) Sample        99   MECL2BLK14
     Datafile          MECL2BLK14
     Method            FULL SCAN R6100+
29) Sample        14   SCV60_021212
     Datafile          SCV60_021212
     Method            FULL SCAN R6100+
30) Sample        99   MECL2BLK15
     Datafile          MECL2BLK15
     Method            FULL SCAN R6100+
```

Response Factor Report CWA

Method Path : D:\DATA\SVOC\calibrations\
Method File : cali021212erg.M
Title : Calibration 021212
Last Update : Mon Feb 13 11:26:25 2012
Response Via : Initial Calibration

5out

Calibration Files
5 =STD05_021012.D 10 =STD10_021012.D 20 =STD20_021012.D 40 =STD40_021012.D
60 =STD60_021012.D 80 =STD80_021012.D

		Compound	5	10	20	40	60	80	Avg	%RSD	
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		N-Nitrosodimet...	0.918	1.025	1.011	0.947	0.832	0.944	0.946	7.38	
3)	S	2-Fluorophenol	1.179	1.206	1.209	1.195	1.152	1.284	1.204	3.69	
4)		Benzaldehyde	1.256	1.247	1.209	1.101	0.928	0.886	1.104	14.78	
5)	S	Phenol-d6	1.374	1.396	1.373	1.328	1.227	1.337	1.339	4.53	
6)		Phenol	1.616	1.612	1.535	1.483	1.433	1.404	1.514	5.92	
7)		Bis(2-chloroet...	1.661	1.629	1.561	1.423	1.307	1.260	1.473	11.47	
8)		2-Chlorophenol	1.552	1.538	1.502	1.412	1.337	1.290	1.439	7.60	
9)		2-Methylphenol	1.384	1.418	1.378	1.279	1.190	1.156	1.301	8.45	
10)		Bis(2-chlorois...	3.413	3.379	3.183	2.862	2.554	2.403	2.966	14.42	
11)		Acetophenone	2.050	2.039	1.949	1.760	1.591	1.505	1.816	12.86	
12)		4-Methylphenol	1.461	1.472	1.453	1.353	1.241	1.176	1.359	9.27	
13)		Hexachloroethane	0.637	0.654	0.615	0.559	0.521	0.492	0.580	11.34	
14)		N-Nitroso-di-n...	1.096	1.102	1.045	0.972	0.909	0.895	1.003	9.11	
15)	I	Naphthalene-d8	----------ISTD----------								
16)	S	Nitrobenzene-d5	0.337	0.337	0.342	0.339	0.337	0.339	0.339	0.60	
17)		Nitrobenzene	0.402	0.390	0.376	0.346	0.331	0.325	0.362	8.91	
18)		Isophorone	0.726	0.724	0.693	0.651	0.625	0.624	0.674	7.00	
19)		2-Nitrophenol	0.163	0.183	0.192	0.187	0.180	0.175	0.180	5.63	
20)		2,4-Dimethylph...	0.368	0.369	0.348	0.319	0.297	0.294	0.332	10.24	
21)		Bis(2-chloroet...	0.472	0.466	0.443	0.409	0.379	0.362	0.422	10.89	
22)		2-4-Dichloroph...	0.281	0.288	0.288	0.268	0.253	0.247	0.271	6.56	
23)		Naphthalene	1.189	1.145	1.060	0.864	0.711	0.626	0.933	25.16	-out 20
24)		4-Chloroaniline	0.444	0.452	0.437	0.402	0.373	0.365	0.412	9.10	
25)		Hexachlorobuta...	0.159	0.156	0.149	0.138	0.130	0.125	0.143	9.88	
26)		Caprolactam	0.102	0.110	0.121	0.105	0.102	0.105	0.107	6.76	
27)		4-Chloro-3-met...	0.287	0.298	0.300	0.284	0.271	0.271	0.285	4.50	
28)		2-Methylnaphth...	0.791	0.766	0.710	0.613	0.544	0.515	0.656	17.74	
29)	I	Acenaphthene-d10	----------ISTD----------								
30)		Hexachlorocycl...	0.192	0.226	0.239	0.241	0.238	0.249	0.231	8.91	
31)		1,2,4,5-tetrac...	0.562	0.537	0.504	0.472	0.449	0.463	0.498	8.96	
32)		2,4,6-Trichlor...	0.319	0.338	0.341	0.332	0.322	0.339	0.332	2.79	
33)		2,4,5-Trichlor...	0.326	0.351	0.352	0.341	0.331	0.351	0.342	3.25	
34)	S	2-Fluorobiphenyl	1.107	1.126	1.079	1.110	1.139	1.229	1.132	4.57	
35)		2-Chloronaphth...	1.310	1.264	1.147	0.990	0.886	0.869	1.078	17.67	
36)		1,1-Biphenyl	1.792	1.719	1.496	1.245	1.051	0.982	1.381	24.73	<40 40
37)		2-Nitroaniline	0.371	0.402	0.402	0.405	0.398	0.428	0.401	4.53	
38)		Acenaphthylene	2.092	2.030	1.805	1.520	1.328	1.272	1.675	21.09	-out 20
39)		Dimethyl phtha...	1.352	1.389	1.346	1.301	1.240	1.299	1.321	3.94	
40)		2,6-Dinitrotol...	0.281	0.291	0.278	0.242	0.214	0.214	0.254	13.69	
41)		3-Nitroaniline	0.323	0.359	0.369	0.362	0.345	0.359	0.353	4.64	
42)		Acenaphthene	1.375	1.344	1.213	1.075	0.989	0.993	1.165	14.72	
43)		2,4-Dinitrophenol	0.047	0.077	0.115	0.147	0.166	0.200	0.125	45.32	-out 35
44)		Dibenzofuran	1.771	1.743	1.591	1.473	1.311	1.299	1.531	13.43	
45)		4-Nitrophenol	0.101	0.121	0.145	0.156	0.159	0.180	0.144	19.80	
46)		2,4-Dinitrotol...	0.347	0.393	0.411	0.425	0.425	0.462	0.411	9.37	
47)		2,3,4,6-tetrac...	0.221	0.248	0.256	0.256	0.256	0.275	0.252	7.01	
48)		Fluorene	1.397	1.320	1.157	0.977	0.863	0.859	1.095	21.17	-out 20
49)		Diethyl phthalate	1.283	1.279	1.284	1.231	1.164	1.202	1.241	4.04	
50)		4-Chlorophenyl...	0.628	0.591	0.530	0.465	0.416	0.418	0.508	17.62	
51)		4-Nitroaniline	0.250	0.289	0.316	0.312	0.302	0.317	0.298	8.57	
52)	I	Phenanthrene-d10	----------ISTD----------								

Method Path : D:\DATA\SVOC\calibrations\
Method File : cali021212erg.M
Title : Calibration 021212

53)		4,6-Dinitro-2-...	0.059	0.091	0.118	0.130	0.124	0.117	0.106	25.32 <35
54)		N-Nitrosodiphe...	0.744	0.726	0.677	0.585	0.511	0.474	0.620	18.26
55)	S	2,4,6-Tribromo...	0.071	0.076	0.078	0.074	0.069	0.078	0.074	5.04
56)		4-Bromophenyl ...	0.201	0.198	0.189	0.174	0.163	0.162	0.181	9.50
57)		Hexachlorobenzene	0.213	0.208	0.200	0.185	0.181	0.181	0.195	7.14
58)		Atrazine	0.215	0.225	0.221	0.208	0.193	0.192	0.209	6.67
59)		Pentachlorophenol	0.095	0.112	0.125	0.128	0.127	0.132	0.120	11.78
60)		Phenanthrene	1.282	1.222	1.131	0.996	0.846	0.769	1.041	19.81
61)		Anthracene	1.276	1.251	1.189	1.026	0.845	0.753	1.056	20.79 -out 20
62)		Carbazole	1.083	1.098	1.066	0.963	0.839	0.761	0.968	14.55
63)		Di-n-butyl pht...	1.377	1.410	1.355	1.052	0.848	0.766	1.135	25.14 <35
64)		Fluoranthene	1.243	1.267	1.217	1.079	0.913	0.821	1.090	17.13
65)	I	Chrysene-d12	----------ISTD----------							
66)		Pyrene	1.619	1.567	1.494	1.389	1.215	1.152	1.406	13.50
67)	S	Terphenyl-d14	0.765	0.743	0.748	0.763	0.765	0.805	0.765	2.82
68)		Butyl benzyl p...	0.571	0.598	0.608	0.588	0.563	0.559	0.581	3.37
69)		Benzo(a)anthra...	1.124	1.149	1.142	1.064	1.041	1.017	1.089	5.15
70)		3,3'-Dichlorob...	0.290	0.316	0.337	0.320	0.300	0.289	0.309	6.16
71)		Chrysene	1.082	1.121	1.095	1.056	1.015	0.958	1.054	5.65
72)		Bis(2-ethylhex...	0.758	0.767	0.799	0.769	0.724	0.691	0.751	5.10
73)	I	Perylene-d12	----------ISTD----------							
74)		Di-n-octyl pht...	1.214	1.351	1.492	1.507	1.441	1.392	1.399	7.74
75)		Benzo(b)fluora...	1.073	1.205	1.187	1.266	1.271	1.265	1.211	6.31
76)		Benzo(k)fluora...	1.171	1.176	1.205	1.103	1.106	1.069	1.138	4.66
77)		Benzo(a)pyrene	0.993	1.066	1.143	1.125	1.125	1.099	1.092	5.06
78)		Indeno(1,2,3-c...	0.922	0.958	0.941	0.879	0.846	0.849	0.899	5.33
79)		Dibenz(a,h)ant...	0.732	0.762	0.757	0.717	0.693	0.699	0.727	3.99
80)		Benzo(ghi)pery...	0.815	0.833	0.789	0.704	0.673	0.672	0.748	9.77

(#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

8 out
with 5 out
by less than
1%

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

SCV

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	
2		N-Nitrosodimethylamine	0.946	1.143	-20.8#	111	0.01	-out
3	S	2-Fluorophenol	1.204	1.415	-17.5	99	0.00	
4		Benzaldehyde	1.104	1.059	4.1	92	0.00	
5	S	Phenol-d6	1.339	1.546	-15.5	102	0.00	
6		Phenol	1.514	1.754	-15.9	99	0.00	
7		Bis(2-chloroethyl)ether	1.473	1.373	6.8	85	0.00	
8		2-Chlorophenol	1.439	1.586	-10.2	96	0.00	
9		2-Methylphenol	1.301	1.375	-5.7	93	0.00	
10		Bis(2-chloroisopropyl)ether	2.966	3.004	-1.3	95	0.00	
11		Acetophenone	1.816	1.948	-7.3	99	0.00	
12		4-Methylphenol	1.359	1.468	-8.0	95	-0.02	
13		Hexachloroethane	0.580	0.611	-5.3	95	0.00	
14		N-Nitroso-di-n-propylamine	1.003	1.068	-6.5	95	0.00	
15	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	
16	S	Nitrobenzene-d5	0.339	0.341	-0.6	93	0.00	
17		Nitrobenzene	0.362	0.346	4.4	96	0.00	
18		Isophorone	0.674	0.656	2.7	96	0.00	
19		2-Nitrophenol	0.180	0.188	-4.4	96	0.00	
20		2,4-Dimethylphenol	0.332	0.290	12.7	90	0.00	
21		Bis(2-chloroethoxy)methane	0.422	0.385	8.8	93	0.00	
22		2-4-Dichlorophenol	0.271	0.268	1.1	97	0.00	
23		Naphthalene	0.933	0.745	20.2#	96	0.00	-out
24		4-Chloroaniline	0.412	0.401	2.7	99	0.00	
25		Hexachlorobutadiene	0.143	0.133	7.0	94	0.00	
26		Caprolactam	0.107	0.109	-1.9	98	0.00	
27		4-Chloro-3-methylphenol	0.285	0.281	1.4	95	0.00	
28		2-Methylnaphthalene	0.656	0.562	14.3	95	0.00	
29	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00	
30		Hexachlorocyclopentadiene	0.231	0.281	-21.6#	110	0.00	<40
31		~~1,2,4,5-tetrachlorobenzene~~	~~0.498~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-6.41#~~	Not in mix
32		2,4,6-Trichlorophenol	0.332	0.346	-4.2	100	0.00	
33		2,4,5-Trichlorophenol	0.342	0.341	0.3	96	0.00	
34	S	2-Fluorobiphenyl	1.132	1.181	-4.3	96	0.00	
35		2-Chloronaphthalene	1.078	0.926	14.1	97	0.00	
36		1,1-Biphenyl	1.381	1.115	19.3	99	0.00	
37		2-Nitroaniline	0.401	0.419	-4.5	98	0.00	
38		Acenaphthylene	1.675	1.384	17.4	97	0.00	
39		Dimethyl phthalate	1.321	1.283	2.9	96	0.00	
40		2,6-Dinitrotoluene	0.254	0.233	8.3	101	0.00	
41		3-Nitroaniline	0.353	0.357	-1.1	96	0.00	
42		Acenaphthene	1.165	1.004	13.8	94	0.00	
43		2,4-Dinitrophenol	0.125	0.184	-47.2#	103	0.00	-out
44		Dibenzofuran	1.531	1.411	7.8	100	0.00	
45		4-Nitrophenol	0.144	0.172	-19.4	101	0.00	
46		2,4-Dinitrotoluene	0.411	0.456	-10.9	100	0.00	

Evaluate Continuing Calibration Report

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
47		~~2,3,4,6-tetrachlorophenol~~	~~0.252~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-7.69#~~	Not in mix
48		Fluorene	1.095	0.883	19.4	95	0.00	
49		Diethyl phthalate	1.241	1.214	2.2	97	0.00	
50		4-Chlorophenyl phenyl ether	0.508	0.436	14.2	97	0.00	
51		4-Nitroaniline	0.298	0.319	-7.0	98	0.00	
52	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	
53		4,6-Dinitro-2-methylphenol	0.106	0.134	-26.4#	105	0.00	out
54		N-Nitrosodiphenylamine	0.620	0.437	29.5#	83	0.00	out
55	S	2,4,6-Tribromophenol	0.074	0.070	5.4	98	0.00	
56		4-Bromophenyl phenyl ether	0.181	0.163	9.9	97	0.00	
57		Hexachlorobenzene	0.195	0.183	6.2	98	0.00	
58		Atrazine	0.209	0.193	7.7	97	0.00	
59		Pentachlorophenol	0.120	0.125	-4.2	96	0.00	
60		Phenanthrene	1.041	0.862	17.2	99	0.00	
61		Anthracene	1.056	0.839	20.5#	96	0.00	out
62		Carbazole	0.968	0.844	12.8	98	0.00	
63		Di-n-butyl phthalate	1.135	0.897	21.0#	102	0.00	out
64		Fluoranthene	1.090	0.919	15.7	97	0.00	
65	I	Chrysene-d12	1.000	1.000	0.0	98	0.00	
66		Pyrene	1.406	1.203	14.4	97	0.00	
67	S	Terphenyl-d14	0.765	0.779	-1.8	99	0.00	
68		Butyl benzyl phthalate	0.581	0.580	0.2	100	0.00	
69		Benzo(a)anthracene	1.089	1.026	5.8	96	0.00	
70		3,3'-Dichlorobenzidine	0.309	0.246	20.4#	80	0.00	out
71		Chrysene	1.054	0.987	6.4	95	0.00	
72		Bis(2-ethylhexyl)phthalate	0.751	0.754	-0.4	102	0.00	
73	I	Perylene-d12	1.000	1.000	0.0	99	0.00	
74		Di-n-octyl phthalate	1.399	1.491	-6.6	102	0.00	
75		Benzo(b)fluoranthene	1.211	1.231	-1.7	95	0.00	
76		Benzo(k)fluoranthene	1.138	1.068	6.2	95	0.00	
77		Benzo(a)pyrene	1.092	0.981	10.2	86	0.00	
78		Indeno(1,2,3-cd)pyrene	0.899	0.867	3.6	101	0.01	
79		Dibenz(a,h)anthracene	0.727	0.707	2.8	100	0.00	
80		Benzo(ghi)perylene	0.748	0.692	7.5	101	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1114764	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	4968787	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2573839	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4682766	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	3573597	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2928067	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	7886803	117.513	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 117.51%#			
5) Phenol-d6	3.945	99	8619420	115.465	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 115.47%#			
16) Nitrobenzene-d5	4.795	82	4241839	50.434	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.86%			
34) 2-Fluorobiphenyl	6.598	172	7602396	52.206	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 104.42%			
55) 2,4,6-Tribromophenol	8.160	330	1632569	93.834	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 93.83%			
67) Terphenyl-d14	10.577	244	6960525	50.934	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 101.86%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.495	74	3824009	72.510	ug/mL	93
4) Benzaldehyde	3.902	77	3542132	57.543	ug/mL	95
6) Phenol	3.961	94	5867188	69.541	ug/mL	96
7) Bis(2-chloroethyl)ether	4.046	93	4592875	55.922	ug/mL	88
8) 2-Chlorophenol	4.100	128	5303421	66.138	ug/mL	96
9) 2-Methylphenol	4.480	108	4598437	63.421	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.528	45	10047631	60.781	ug/mL#	90
11) Acetophenone	4.651	105	6514131	64.364	ug/mL#	76
12) 4-Methylphenol	4.613	108	4908905	64.788	ug/mL	82
13) Hexachloroethane	4.720	117	2044456	63.264	ug/mL	100
14) N-Nitroso-di-n-propyla...	4.678	70	3570079	63.841	ug/mL#	88
17) Nitrobenzene	4.817	77	5164468	57.445	ug/mL	97
18) Isophorone	5.041	82	9775762	58.404	ug/mL	95
19) 2-Nitrophenol	5.116	139	2795539	62.528	ug/mL	91
20) 2,4-Dimethylphenol	5.138	107	4323951	52.359	ug/mL	89
21) Bis(2-chloroethoxy)met...	5.239	93	5734708	54.729	ug/mL	98
22) 2-4-Dichlorophenol	5.341	162	3999264	59.421	ug/mL	97
23) Naphthalene	5.491	128	11104986	47.931	ug/mL	98
24) 4-Chloroaniline	5.560	127	5981917	58.411	ug/mL	97
25) Hexachlorobutadiene	5.667	225	1985948	55.928	ug/mL	100
26) Caprolactam	5.956	113	1630055	61.118	ug/mL#	78
27) 4-Chloro-3-methylphenol	6.058	107	4193216	59.214	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	8370384	51.333	ug/mL	99
30) Hexachlorocyclopentadiene	6.427	237	2170459	73.088	ug/mL	100
32) 2,4,6-Trichlorophenol	6.518	196	2670164	62.533	ug/mL	93
33) 2,4,5-Trichlorophenol	6.560	196	2634537	59.877	ug/mL	93
35) 2-Chloronaphthalene	6.710	162	7150711	51.556	ug/mL	99
36) 1,1-Biphenyl	6.694	154	8610511	48.455	ug/mL	99
37) 2-Nitroaniline	6.849	65	3234610	62.661	ug/mL	91

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

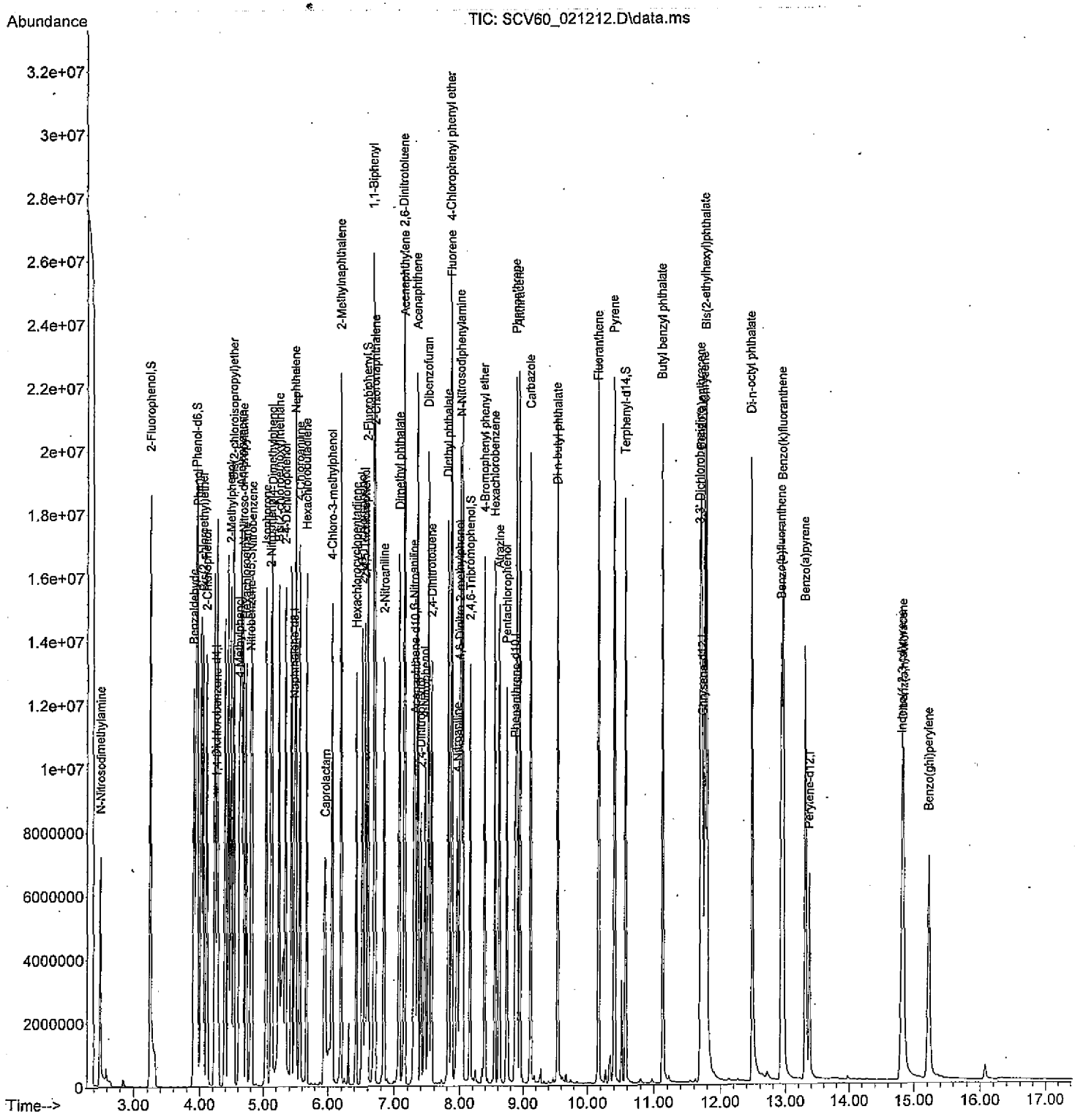
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	7.154	152	10685248	49.581 ug/mL	98
39) Dimethyl phthalate	7.074	163	9910434	58.287 ug/mL	99
40) 2,6-Dinitrotoluene	7.149	165	1798766	55.131 ug/mL#	85
41) 3-Nitroaniline	7.293	138	2753001	60.591 ug/mL	84
42) Acenaphthene	7.347	153	7754975	51.726 ug/mL	97
43) 2,4-Dinitrophenol	7.395	184	1418697	87.943 ug/mL	100
44) Dibenzofuran	7.512	168	10897130	55.297 ug/mL	95
45) 4-Nitrophenol	7.459	109	1325200	71.700 ug/mL	82
46) 2,4-Dinitrotoluene	7.561	165	3518822	66.599 ug/mL	92
48) Fluorene	7.881	166	6820407	48.388 ug/mL	99
49) Diethyl phthalate	7.823	149	9374795	58.718 ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.876	204	3366724	51.490 ug/mL	99
51) 4-Nitroaniline	7.962	138	2465076	64.300 ug/mL	94
53) 4,6-Dinitro-2-methylph...	7.999	198	1886351	75.687 ug/mL#	1
54) N-Nitrosodiphenylamine	8.021	169	6133259	42.283 ug/mL	95
56) 4-Bromophenyl phenyl e...	8.390	248	2289956	54.001 ug/mL	93
57) Hexachlorobenzene	8.550	284	2570985	56.383 ug/mL	92
58) Atrazine	8.625	200	2712769	55.412 ug/mL	97
59) Pentachlorophenol	8.737	266	1760928	62.886 ug/mL	100
60) Phenanthrene	8.898	178	12106163	49.672 ug/mL	99
61) Anthracene	8.946	178	11786421	47.648 ug/mL	99
62) Carbazole	9.117	167	11854474	52.283 ug/mL	100
63) Di-n-butyl phthalate	9.534	149	12597706	47.416 ug/mL	97
64) Fluoranthene	10.165	202	12904538	50.559 ug/mL	95
66) Pyrene	10.406	202	12901972	51.357 ug/mL	95
68) Butyl benzyl phthalate	11.133	149	6216321	59.870 ug/mL	98
69) Benzo(a)anthracene	11.711	228	10995448	56.483 ug/mL	99
70) 3,3'-Dichlorobenzidine	11.690	252	2633530	47.769 ug/mL	98
71) Chrysene	11.765	228	10585191	56.181 ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.791	149	8078940	60.196 ug/mL	98
74) Di-n-octyl phthalate	12.481	149	13100550	63.943 ug/mL	100
75) Benzo(b)fluoranthene	12.941	252	10809402	60.966 ug/mL	99
76) Benzo(k)fluoranthene	12.968	252	9380886m	56.295 ug/mL	
77) Benzo(a)pyrene	13.310	252	8619473	53.922 ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.824	276	7616832	57.856 ug/mL#	84
79) Dibenz(a,h)anthracene	14.845	278	6206452	58.342 ug/mL	97
80) Benzo(ghi)perylene	15.230	276	6076605	55.508 ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

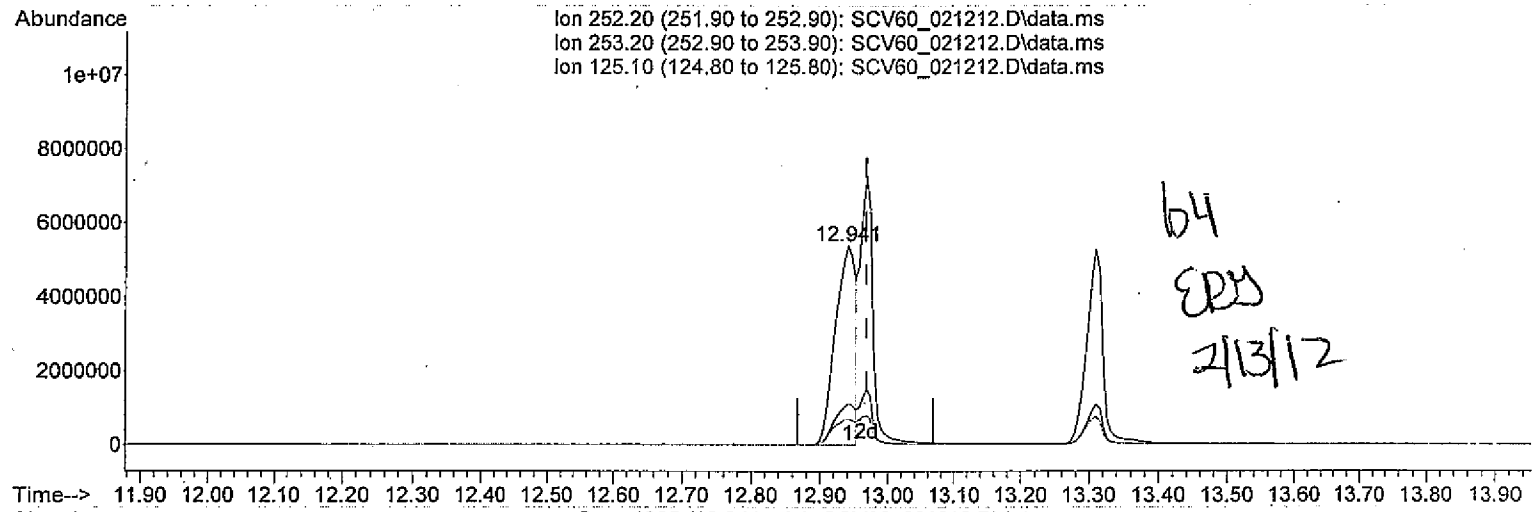
Quant Time: Feb 13 11:30:39 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



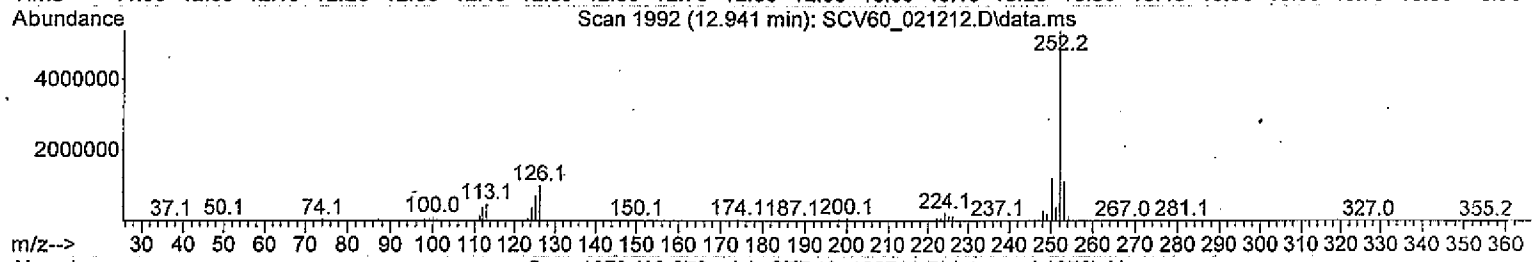
Quantitation Report (Qedit)

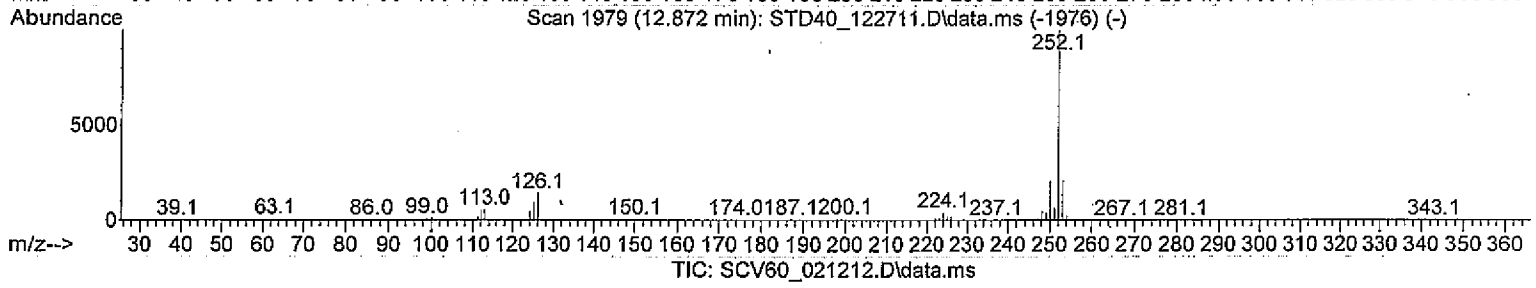
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:29:06 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



64
EPS
2/13/12





TIC: SCV60_021212.D\data.ms

(76) Benzo(k)fluoranthene

12.941min (-0.027) 64.87 ug/mL

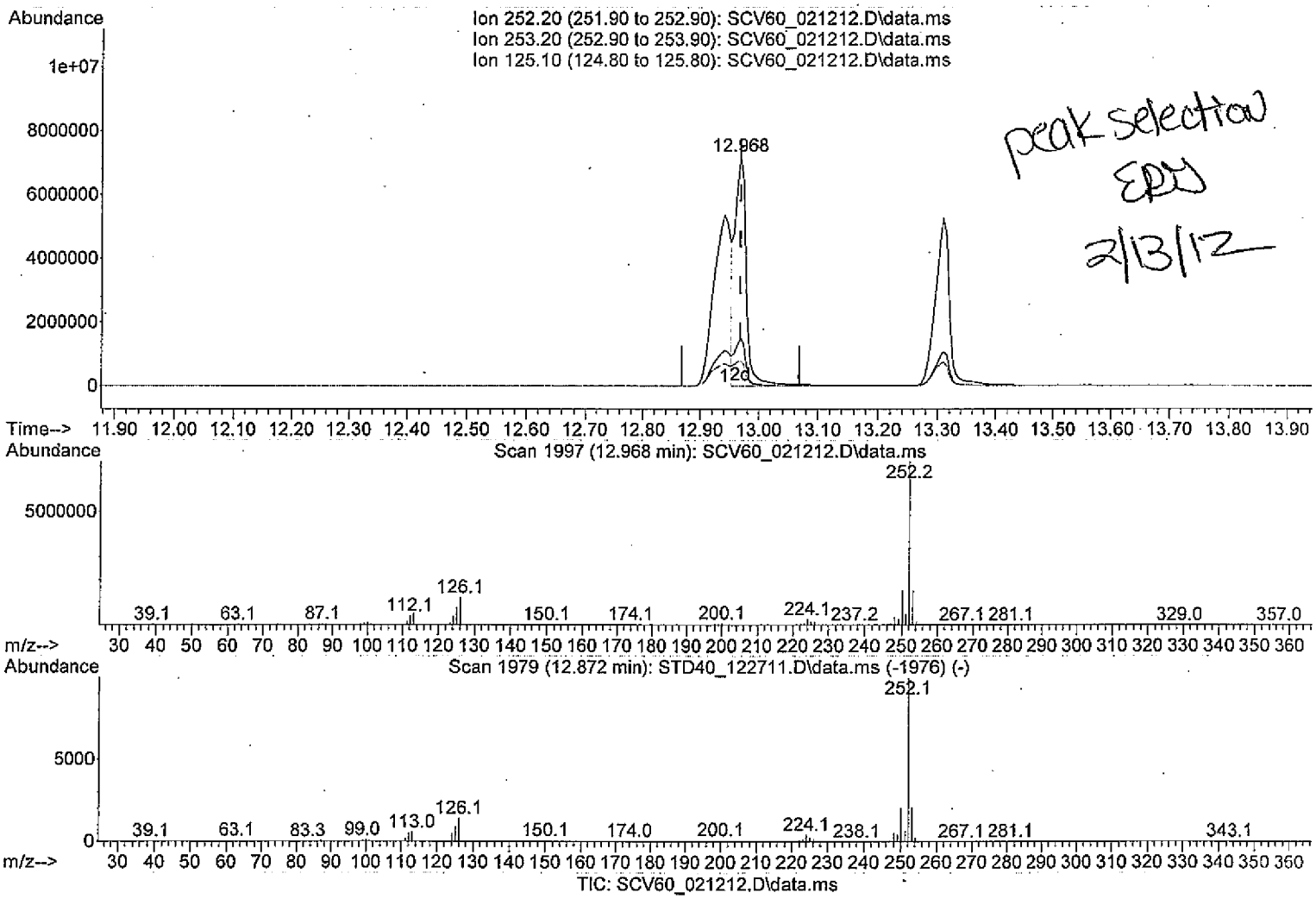
response 10809402

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.17
125.10	14.90	14.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_021212.D
Acq On : 13 Feb 2012 3:16 am
Operator : ERG 96-5975B
Sample : SCV60_021212
Misc : Initial Calibration 021212
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 11:29:06 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
EPY
2/13/12

(76) Benzo(k)fluoranthene

12.968min (-0.000) 56.30 ug/mL m

response 9380886

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	24.39
125.10	14.90	16.61
0.00	0.00	0.00

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\021212\DFTPPG0112.D
Tune Time : 12 Feb 2012 3:31 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012.D

						1383290	5416330	2769460
						4831900	3659970	2970560

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SCV60_021212.D								
	SCV60_0212	118*	115*	101	104	1114764	4968787	2573839
		94	102			4682766	3573597	2928067
STD05_021012.D								
	STD05_0210	98	103	99	98	1480003	5812007	3010799
		96	100			4689826	3857262	3192599
STD10_021012.D								
	STD10_0210	100	104	99	99	1451279	5747491	2972968
		102	97			4718473	4007460	3282873
STD20_021012.D								
	STD20_0210	100	103	101	95	1523258	6005137	3180358
		105	98			5142736	4330461	3590016
STD40_021012.D								
	STD40_0210	99	99	100	98	1413607	5563705	2899538
		100	100			4870908	3891224	3222824
STD60_021012.D								
	STD60_0210	96	92	100	101	1383291	5416333	2769463
		93	100			4831900	3659974	2970562
STD80_021012.D								
	STD80_0210	107	100	100	109	1271635	4950545	2400963
		105	105			4558951	3404470	2712559

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 13 11:34:41 2012 CWA

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1480003	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	5812007	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.304	164	3010799	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	4689826	20.000	ug/mL	-0.01
65) Chrysene-d12	11.717	240	3857262	20.000	ug/mL	-0.01
73) Perylene-d12	13.359	264	3192599	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8723665	97.905	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 97.90%			
5) Phenol-d6	3.940	99	10170317	102.619	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 102.62%			
16) Nitrobenzene-d5	4.785	82	4894093	49.747	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.50%			
34) 2-Fluorobiphenyl	6.593	172	8334377	48.926	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 97.86%			
55) 2,4,6-Tribromophenol	8.149	330	1666795	95.657	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 95.66%			
67) Terphenyl-d14	10.577	244	7374789	49.996	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 100.00%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	339715	4.852	ug/mL	89
4) Benzaldehyde	3.902	77	464746	5.687	ug/mL	98
6) Phenol	3.945	94	597756	5.337	ug/mL#	24
7) Bis(2-chloroethyl)ether	4.036	93	614674	5.637	ug/mL	97
8) 2-Chlorophenol	4.095	128	574273	5.394	ug/mL	97
9) 2-Methylphenol	4.469	108	512144	5.320	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.517	45	1262870	5.754	ug/mL#	90
11) Acetophenone	4.635	105	758600	5.646	ug/mL	92
12) 4-Methylphenol	4.603	108	540511	5.373	ug/mL	97
13) Hexachloroethane	4.720	117	235705	5.494	ug/mL	95
14) N-Nitroso-di-n-propyla...	4.651	70	405593	5.463	ug/mL#	85
17) Nitrobenzene	4.801	77	584509	5.558	ug/mL	97
18) Isophorone	5.020	82	1055262	5.390	ug/mL	95
19) 2-Nitrophenol	5.106	139	236800	4.528	ug/mL#	84
20) 2,4-Dimethylphenol	5.116	107	534772	5.536	ug/mL	86
21) Bis(2-chloroethoxy)met...	5.223	93	685360	5.592	ug/mL	99
22) 2-4-Dichlorophenol	5.325	162	408675	5.191	ug/mL	97
23) Naphthalene	5.485	128	1728237	6.377	ug/mL	99
24) 4-Chloroaniline	5.550	127	645443	5.388	ug/mL	98
25) Hexachlorobutadiene	5.662	225	231085	5.564	ug/mL	99
26) Caprolactam	5.865	113	147961m	4.743	ug/mL	
27) 4-Chloro-3-methylphenol	6.031	107	416448	5.028	ug/mL	91
28) 2-Methylnaphthalene	6.186	142	1149913	6.029	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	144208	4.151	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.405	216	422722	5.642	ug/mL	98
32) 2,4,6-Trichlorophenol	6.507	196	240124	4.811	ug/mL	93
33) 2,4,5-Trichlorophenol	6.539	196	245653	4.772	ug/mL	93
35) 2-Chloronaphthalene	6.694	162	985774	6.076	ug/mL	98
36) 1,1-Biphenyl	6.683	154	1349011	6.490	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

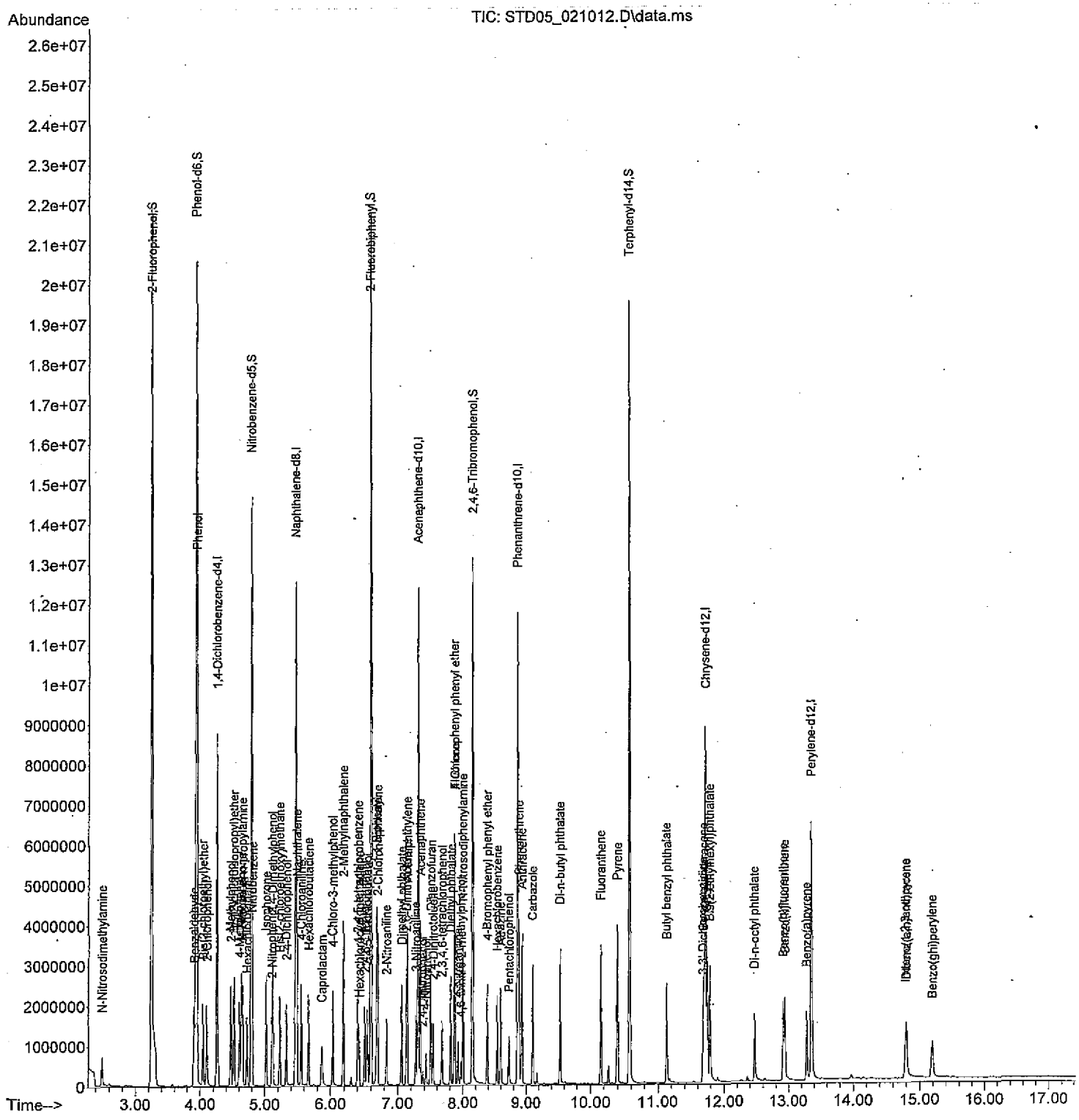
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 2-Nitroaniline	6.828	65	279499	4.629	ug/mL	90
38) Acenaphthylene	7.138	152	1574769	6.247	ug/mL	99
39) Dimethyl phthalate	7.058	163	1017426	5.115	ug/mL	99
40) 2,6-Dinitrotoluene	7.127	165	211843	5.551	ug/mL	89
41) 3-Nitroaniline	7.266	138	243434	4.580	ug/mL	87
42) Acenaphthene	7.336	153	1034754	5.900	ug/mL	98
43) 2,4-Dinitrophenol	7.373	184	35721	1.893	ug/mL#	1
44) Dibenzofuran	7.502	168	1332708	5.781	ug/mL	94
45) 4-Nitrophenol	7.427	109	76083	3.519	ug/mL	88
46) 2,4-Dinitrotoluene	7.539	165	261079	4.224	ug/mL	100
47) 2,3,4,6-tetrachlorophenol	7.673	232	166094	4.380	ug/mL#	92
48) Fluorene	7.865	166	1051256	6.376	ug/mL	100
49) Diethyl phthalate	7.807	149	965905	5.172	ug/mL	100
50) 4-Chlorophenyl phenyl ...	7.865	204	472423	6.177	ug/mL	93
51) 4-Nitroaniline	7.919	138	188438	4.200	ug/mL	95
53) 4,6-Dinitro-2-methylph...	7.967	198	68711	2.753	ug/mL#	85
54) N-Nitrosodiphenylamine	7.994	169	871913	6.002	ug/mL	99
56) 4-Bromophenyl phenyl e...	8.379	248	236157	5.561	ug/mL	98
57) Hexachlorobenzene	8.534	284	249462	5.463	ug/mL	95
58) Atrazine	8.593	200	251770	5.135	ug/mL	98
59) Pentachlorophenol	8.721	266	110811	3.951	ug/mL	100
60) Phenanthrene	8.882	178	1502819	6.157	ug/mL	98
61) Anthracene	8.930	178	1495811	6.038	ug/mL	99
62) Carbazole	9.101	167	1270036	5.593	ug/mL	99
63) Di-n-butyl phthalate	9.529	149	1614090	6.066	ug/mL	99
64) Fluoranthene	10.149	202	1457821	5.703	ug/mL	99
66) Pyrene	10.390	202	1560748	5.756	ug/mL	100
68) Butyl benzyl phthalate	11.123	149	550861	4.915	ug/mL	99
69) Benzo(a)anthracene	11.690	228	1083530	5.157	ug/mL	99
70) 3,3'-Dichlorobenzidine	11.674	252	279695	4.700	ug/mL	98
71) Chrysene	11.738	228	1043275	5.130	ug/mL	99
72) Bis(2-ethylhexyl)phtha...	11.781	149	730501	5.043	ug/mL	99
74) Di-n-octyl phthalate	12.465	149	968698	4.336	ug/mL	100
75) Benzo(b)fluoranthene	12.915	252	856178m	4.506	ug/mL	
76) Benzo(k)fluoranthene	12.941	252	934317	5.151	ug/mL	99
77) Benzo(a)pyrene	13.284	252	792794	4.549	ug/mL	99
78) Indeno(1,2,3-cd)pyrene	14.787	276	735783	5.124	ug/mL#	80
79) Dibenz(a,h)anthracene	14.797	278	583944	5.034	ug/mL	98
80) Benzo(ghi)perylene	15.193	276	650871	5.452	ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

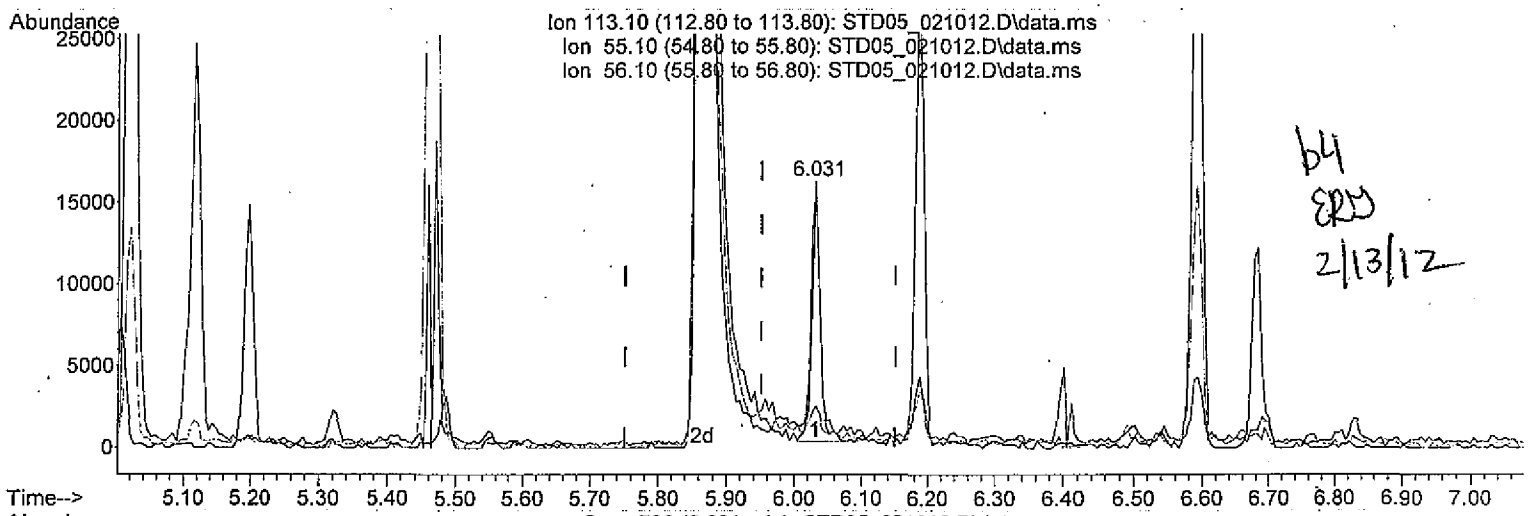
Quant Time: Feb 13 11:16:02 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration

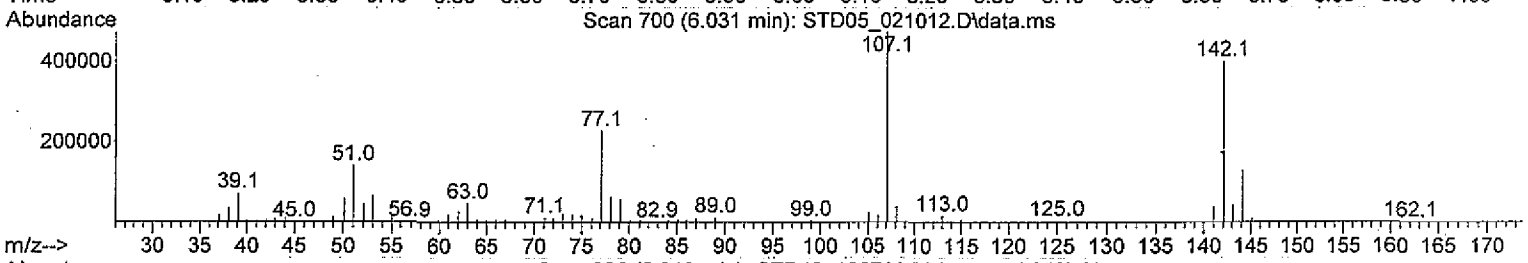


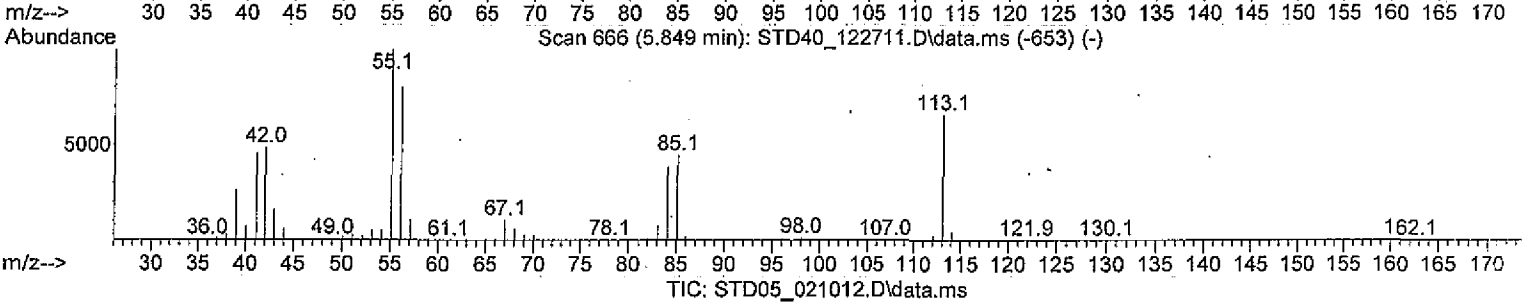
Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration







(26) Caprolactam

6.031min (+0.080) 0.44 ug/mL

response 13724

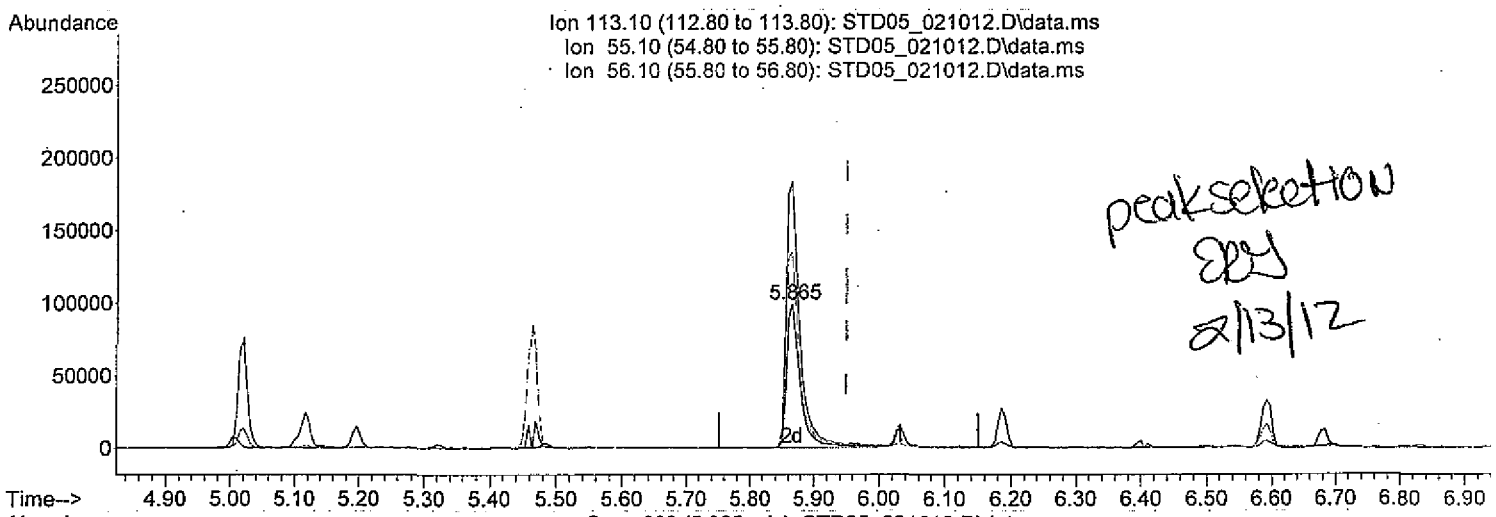
Ion	Exp%	Act%
113.10	100	100
55.10	154.30	107.22#
56.10	117.30	0.00#
0.00	0.00	0.00

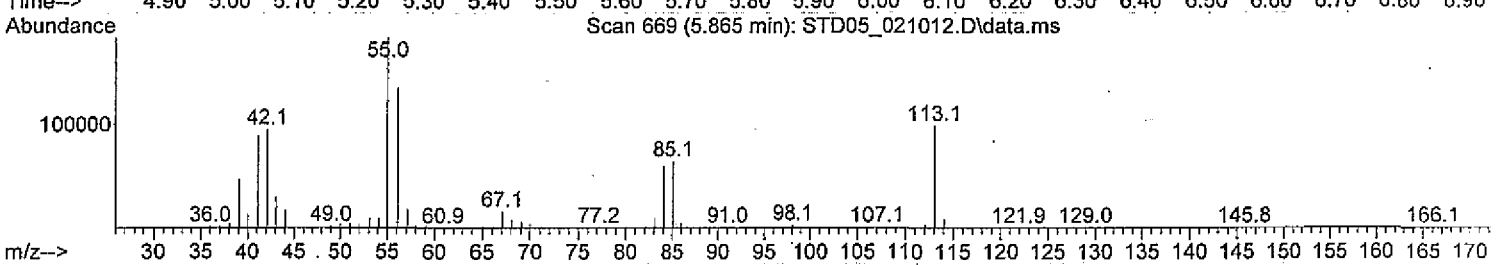
✓ OK
ICP
2/13/12

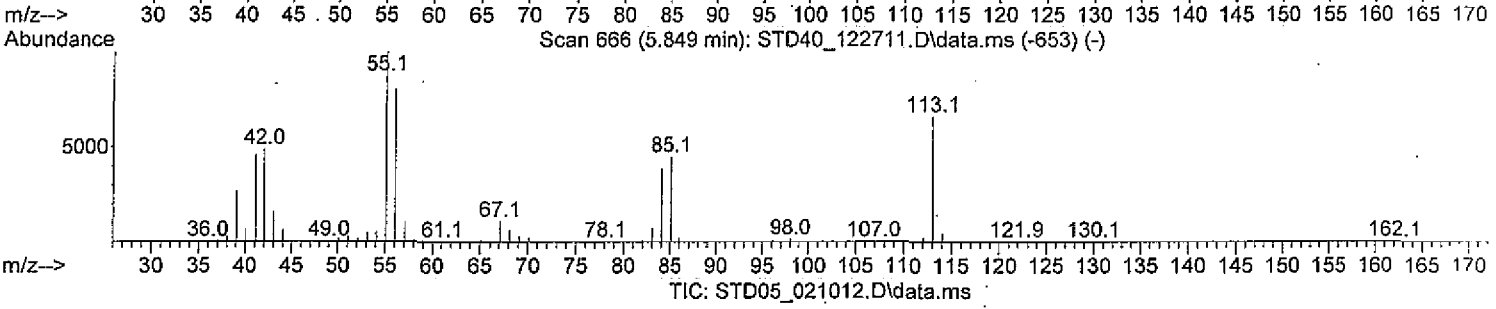
Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration







TIC: STD05_021012.D\data.ms

(26) Caprolactam

5.865min (-0.086) 4.74 ug/mL m

response 147961

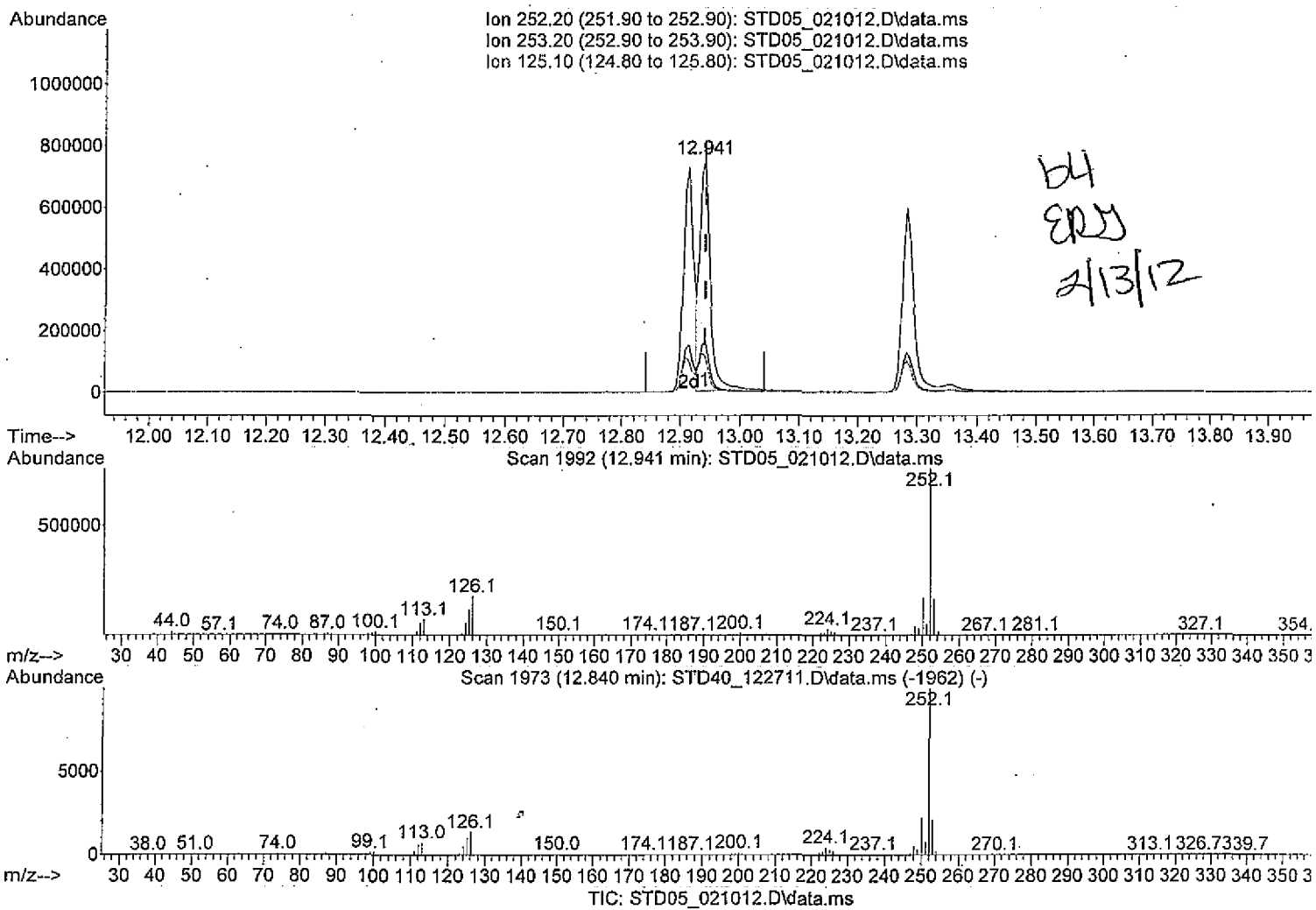
Ion	Exp%	Act%
113.10	100	100
55.10	154.30	9.95#
56.10	117.30	0.00#
0.00	0.00	0.00

✓ OK ICP 2/15/12

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration



bH
ERJ
2/13/12

(75) Benzo(b)fluoranthene

12.941min (+0.000) 4.79 ug/mL

response 910874

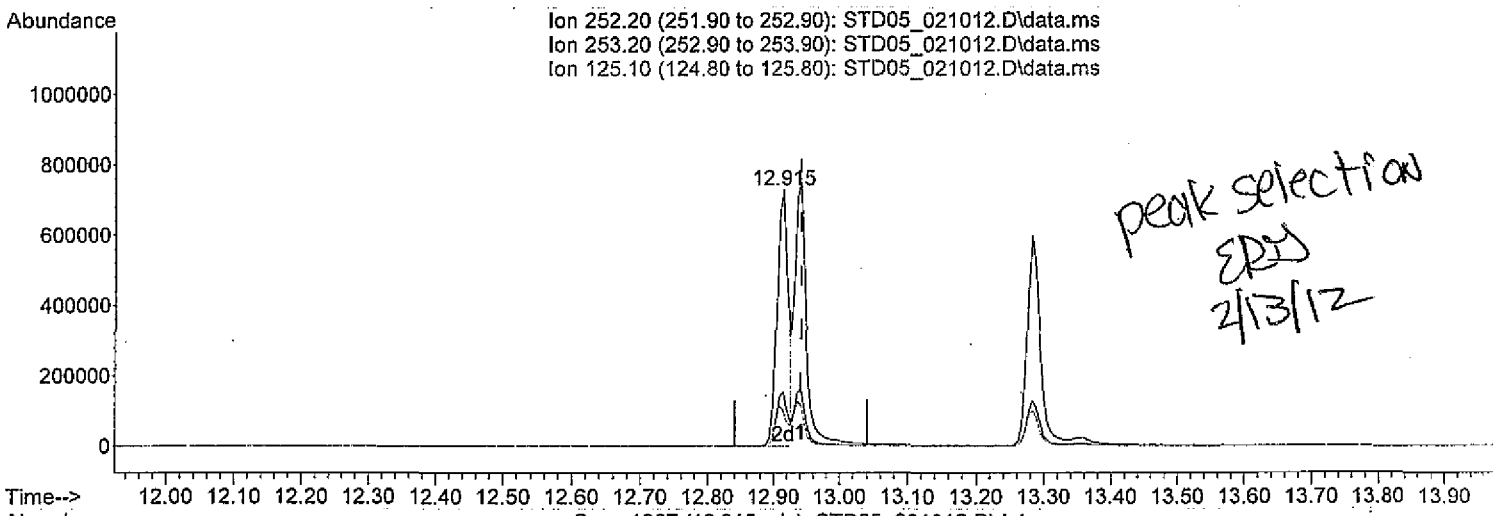
Ion	Exp%	Act%
252.20	100	100
253.20	21.50	21.71
125.10	14.70	16.22
0.00	0.00	0.00

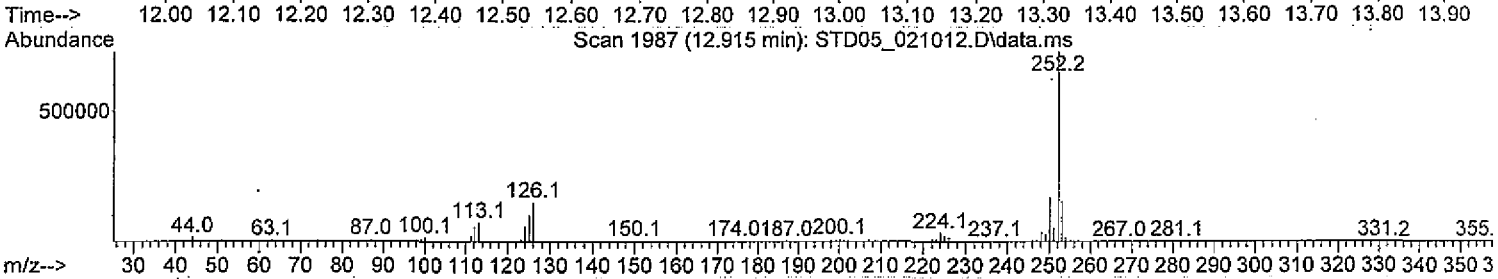
✓
OK
KP
2/13/12

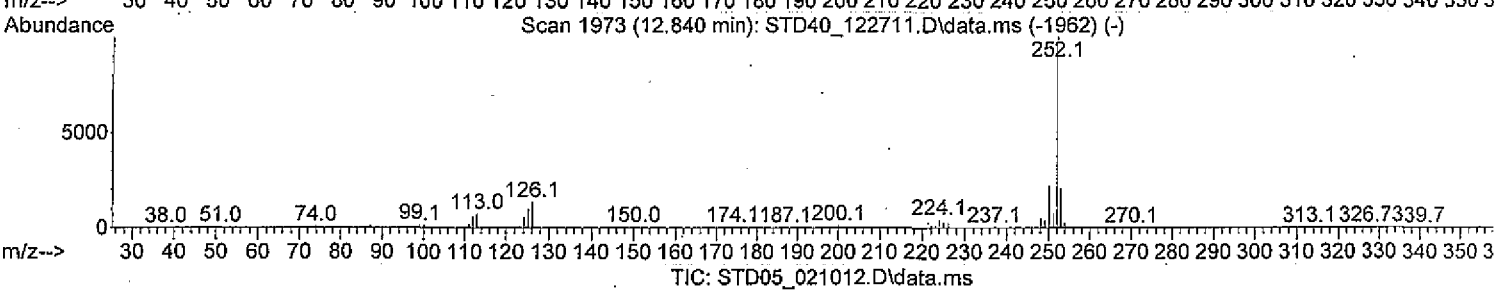
Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012.D
Acq On : 12 Feb 2012 10:14 pm
Operator : ERG 96-5975B
Sample : STD05_021012
Misc : Initial Calibration 021212
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 13 11:14:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:14:14 2012
Response via : Initial Calibration







(75) Benzo(b)fluoranthene

12.915min (-0.027) 4.51 ug/mL m

response 856178

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	23.10
125.10	14.70	17.26
0.00	0.00	0.00

OK
KJ
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1451279	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	5747491	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.304	164	2972968	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.860	188	4718473	20.000	ug/mL	-0.01
65) Chrysene-d12	11.716	240	4007460	20.000	ug/mL	-0.01
73) Perylene-d12	13.358	264	3282873	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8748282	100.124	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 100.12%			
5) Phenol-d6	3.940	99	10132020	104.256	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 104.26%			
16) Nitrobenzene-d5	4.790	82	4836870	49.718	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.44%			
34) 2-Fluorobiphenyl	6.592	172	8365654	49.735	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 99.46%			
55) 2,4,6-Tribromophenol	8.149	330	1792067	102.222	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 102.22%			
67) Terphenyl-d14	10.577	244	7446063	48.588	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 97.18%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	744140	10.838	ug/mL	91
4) Benzaldehyde	3.902	77	904866	11.291	ug/mL	96
6) Phenol	3.950	94	1169923	10.651	ug/mL#	64
7) Bis(2-chloroethyl)ether	4.036	93	1182132	11.056	ug/mL	98
8) 2-Chlorophenol	4.095	128	1116049	10.691	ug/mL	96
9) 2-Methylphenol	4.469	108	1029171	10.903	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.517	45	2451992	11.393	ug/mL#	90
11) Acetophenone	4.635	105	1479556	11.229	ug/mL	93
12) 4-Methylphenol	4.608	108	1068181	10.829	ug/mL	96
13) Hexachloroethane	4.715	117	474427	11.277	ug/mL	94
14) N-Nitroso-di-n-propyla...	4.656	70	799933	10.988	ug/mL#	85
17) Nitrobenzene	4.801	77	1120831	10.778	ug/mL	97
18) Isophorone	5.020	82	2081435	10.750	ug/mL	95
19) 2-Nitrophenol	5.106	139	526241	10.176	ug/mL#	87
20) 2,4-Dimethylphenol	5.122	107	1060321	11.100	ug/mL	87
21) Bis(2-chloroethoxy)met...	5.229	93	1340343	11.058	ug/mL	99
22) 2-4-Dichlorophenol	5.325	162	827898	10.634	ug/mL	97
23) Naphthalene	5.485	128	3290171	12.277	ug/mL	99
24) 4-Chloroaniline	5.549	127	1297542	10.953	ug/mL	97
25) Hexachlorobutadiene	5.662	225	449487	10.943	ug/mL	99
26) Caprolactam	5.876	113	314985	10.210	ug/mL#	76
27) 4-Chloro-3-methylphenol	6.036	107	856415	10.455	ug/mL	91
28) 2-Methylnaphthalene	6.186	142	2201106	11.670	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	335785	9.789	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.405	216	798529	10.793	ug/mL#	98
32) 2,4,6-Trichlorophenol	6.507	196	502961	10.198	ug/mL	94
33) 2,4,5-Trichlorophenol	6.544	196	521799	10.267	ug/mL	94
35) 2-Chloronaphthalene	6.699	162	1879546	11.732	ug/mL	98
36) 1,1-Biphenyl	6.683	154	2554696	12.446	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration

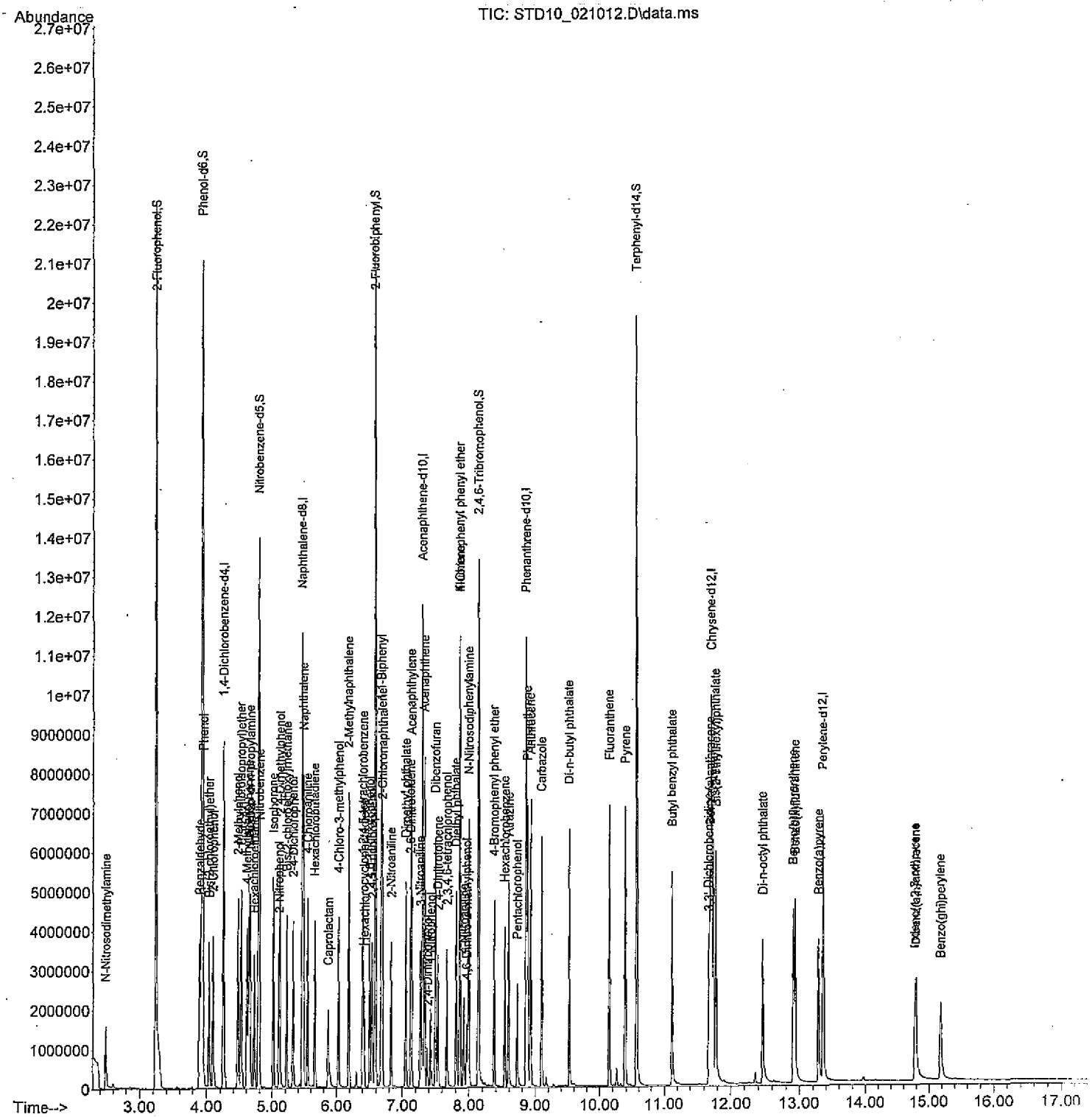
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.833	65	597013	10.013 ug/mL	90
38) Acenaphthylene	7.138	152	3018260	12.125 ug/mL	99
39) Dimethyl phthalate	7.058	163	2064565	10.512 ug/mL	99
40) 2,6-Dinitrotoluene	7.127	165	432218	11.469 ug/mL	89
41) 3-Nitroaniline	7.272	138	534347	10.182 ug/mL	87
42) Acenaphthene	7.336	153	1998546	11.541 ug/mL	97
43) 2,4-Dinitrophenol	7.379	184	114539	6.147 ug/mL#	1
44) Dibenzofuran	7.502	168	2591408	11.385 ug/mL	94
45) 4-Nitrophenol	7.427	109	179942	8.429 ug/mL	83
46) 2,4-Dinitrotoluene	7.539	165	584734	9.581 ug/mL	98
47) 2,3,4,6-tetrachlorophenol	7.673	232	369369	9.865 ug/mL#	92
48) Fluorene	7.865	166	1961708	12.049 ug/mL	99
49) Diethyl phthalate	7.807	149	1901122	10.309 ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.865	204	878963	11.638 ug/mL	94
51) 4-Nitroaniline	7.924	138	429952	9.705 ug/mL	95
53) 4,6-Dinitro-2-methylph...	7.967	198	214711	8.550 ug/mL#	81
54) N-Nitrosodiphenylamine	7.999	169	1711890	11.713 ug/mL	97
56) 4-Bromophenyl phenyl e...	8.379	248	466003	10.906 ug/mL	99
57) Hexachlorobenzene	8.539	284	489656	10.657 ug/mL	97
58) Atrazine	8.593	200	530955	10.763 ug/mL	97
59) Pentachlorophenol	8.721	266	263119	9.325 ug/mL	99
60) Phenanthrene	8.882	178	2883090	11.740 ug/mL	98
61) Anthracene	8.930	178	2950484	11.837 ug/mL	98
62) Carbazole	9.101	167	2591577	11.343 ug/mL	100
63) Di-n-butyl phthalate	9.529	149	3326585	12.426 ug/mL	98
64) Fluoranthene	10.155	202	2988151	11.619 ug/mL	99
66) Pyrene	10.395	202	3139726	11.145 ug/mL	99
68) Butyl benzyl phthalate	11.123	149	1197466	10.284 ug/mL	99
69) Benzo(a)anthracene	11.695	228	2303232	10.551 ug/mL	100
70) 3,3'-Dichlorobenzidine	11.674	252	632745	10.235 ug/mL	98
71) Chrysene	11.743	228	2246167	10.631 ug/mL	98
72) Bis(2-ethylhexyl)phtha...	11.781	149	1536220	10.207 ug/mL	100
74) Di-n-octyl phthalate	12.471	149	2218107	9.656 ug/mL	100
75) Benzo(b)fluoranthene	12.915	252	1977184m	10.118 ug/mL	
76) Benzo(k)fluoranthene	12.941	252	1930760	10.347 ug/mL	97
77) Benzo(a)pyrene	13.289	252	1749612	9.762 ug/mL	99
78) Indeno(1,2,3-cd)pyrene	14.787	276	1572618	10.650 ug/mL#	80
79) Dibenz(a,h)anthracene	14.808	278	1251424	10.492 ug/mL	98
80) Benzo(ghi)perylene	15.193	276	1366808	11.134 ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

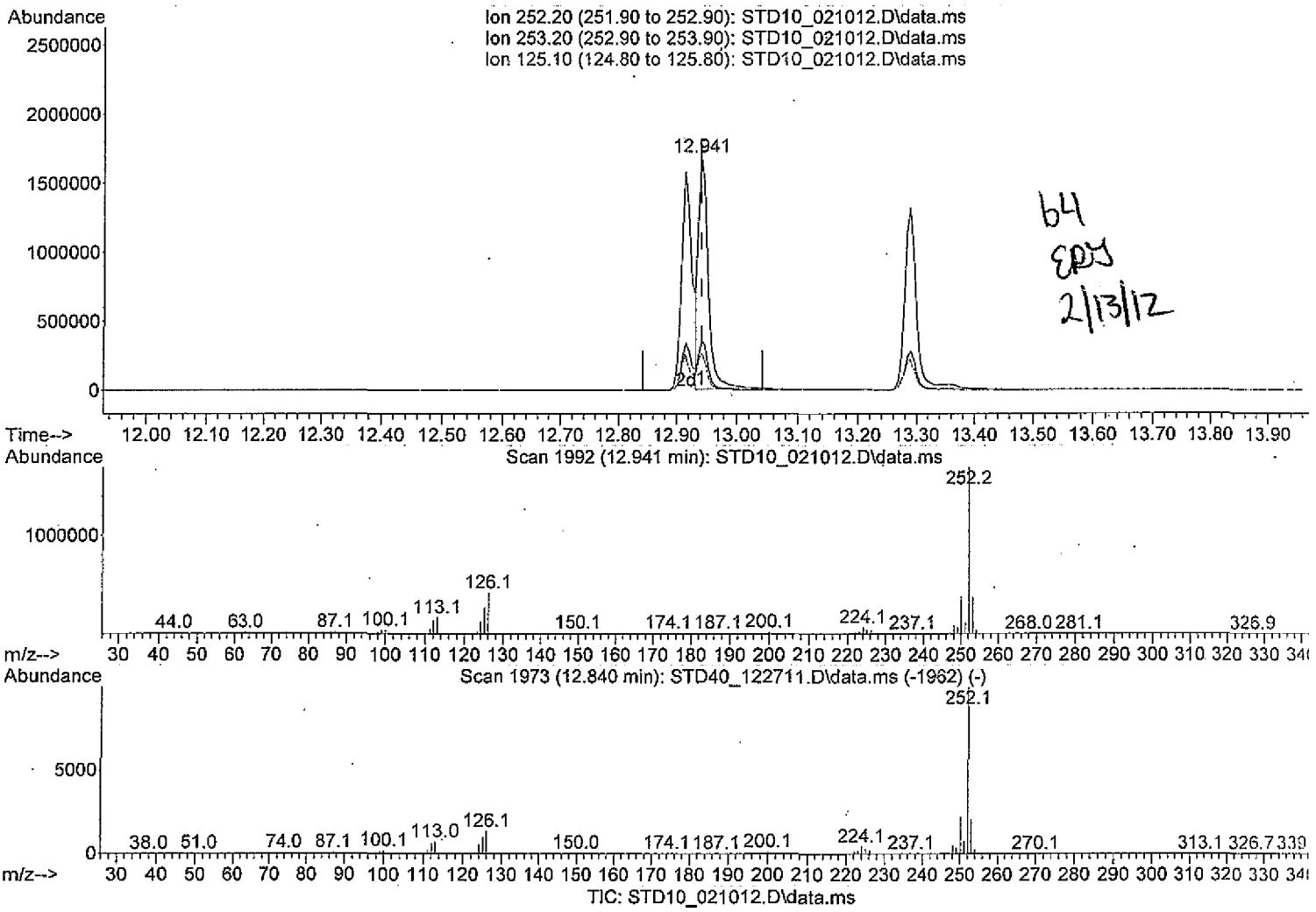
Quant Time: Feb 13 11:18:22 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:17:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



b4
EDY
2/13/12

(75) Benzo(b)fluoranthene

12.941min (-0.000) 9.69 ug/mL

response 1893623

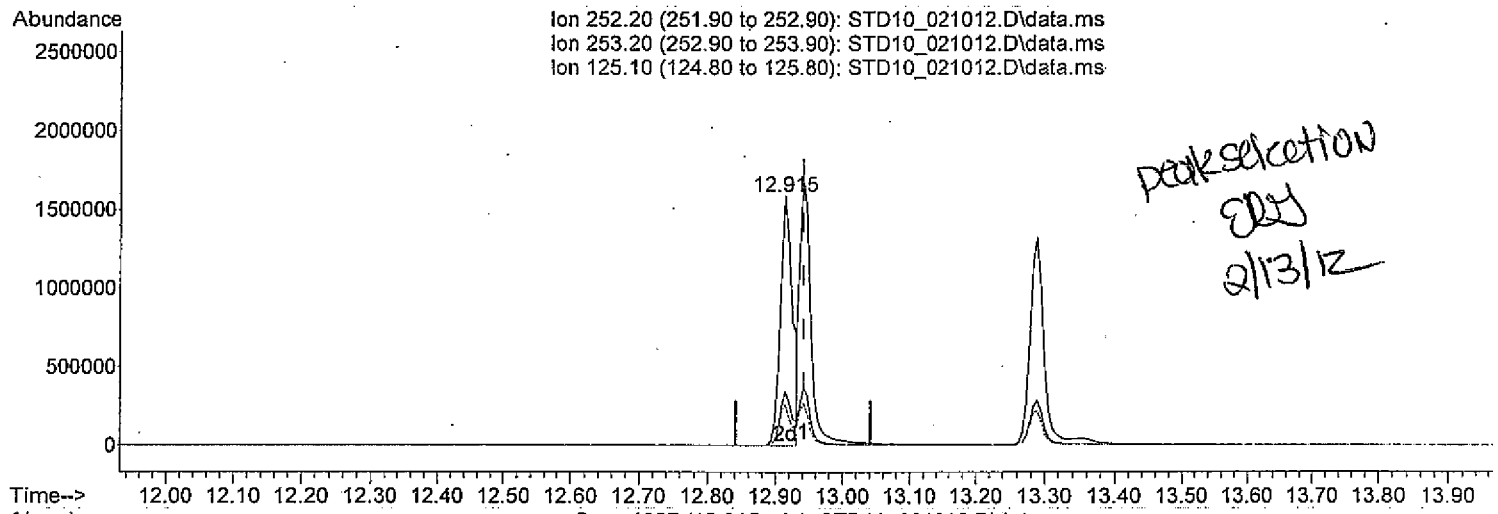
Ion	Exp%	Act%
252.20	100	100
253.20	21.50	21.30
125.10	14.70	17.13
0.00	0.00	0.00

OK
KP
2/13/12

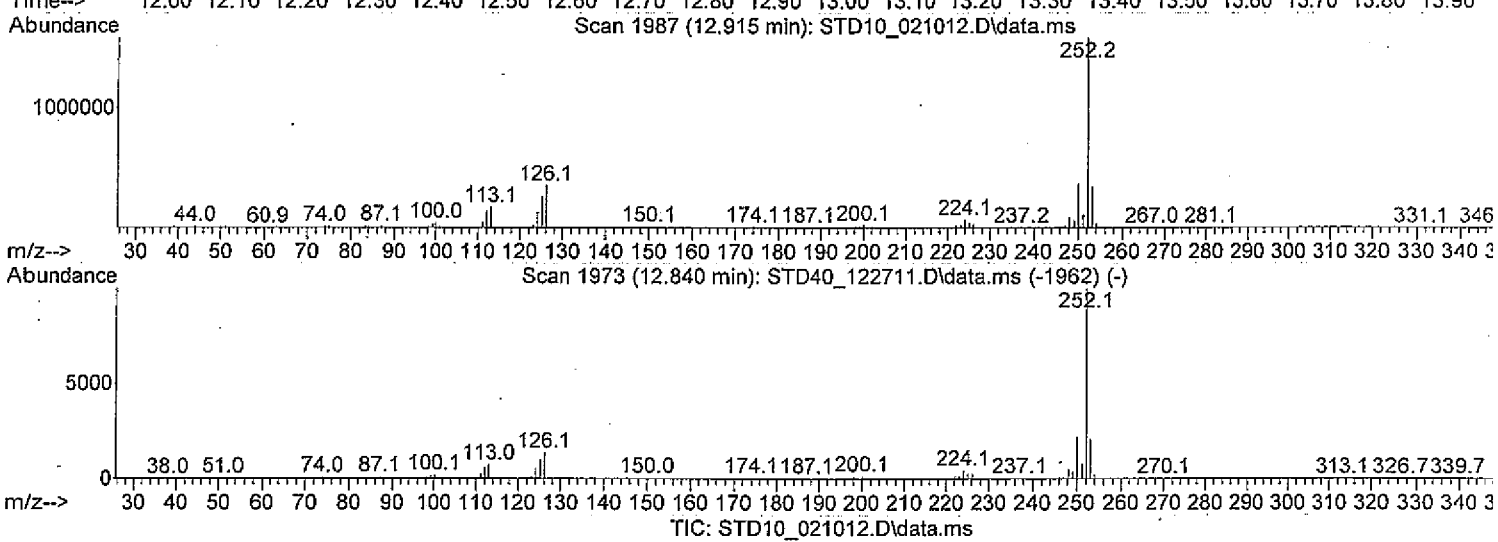
Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012.D
Acq On : 12 Feb 2012 11:04 pm
Operator : ERG 96-5975B
Sample : STD10_021012
Misc : Initial Calibration 021212
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 13 11:17:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:16:28 2012
Response via : Initial Calibration



peak selection
SDY
2/13/12



(75) Benzo(b)fluoranthene

12.915min (-0.027) 10.12 ug/mL m

response 1977184

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.40
125.10	14.70	16.41
0.00	0.00	0.00

✓
ok
KP
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.250	152	1523258	20.000 ug/mL	0.00
15) Naphthalene-d8	5.469	136	6005137	20.000 ug/mL	0.00
29) Acenaphthene-d10	7.304	164	3180358	20.000 ug/mL	0.00
52) Phenanthrene-d10	8.866	188	5142736	20.000 ug/mL	0.00
65) Chrysene-d12	11.722	240	4330461	20.000 ug/mL	0.00
73) Perylene-d12	13.364	264	3590016	20.000 ug/mL	0.00
System Monitoring Compounds					
3) 2-Fluorophenol	3.244	112	9206511	100.390 ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 100.39%		
5) Phenol-d6	3.940	99	10460484	102.550 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 102.55%		
16) Nitrobenzene-d5	4.790	82	5131498	50.483 ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.96%		
34) 2-Fluorobiphenyl	6.598	172	8577591	47.669 ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 95.34%		
55) 2,4,6-Tribromophenol	8.154	330	1999827	104.662 ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 104.66%		
67) Terphenyl-d14	10.577	244	8100826	48.917 ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 97.84%		
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.495	74	1539783	21.367 ug/mL	89
4) Benzaldehyde	3.902	77	1841279	21.890 ug/mL	96
6) Phenol	3.950	94	2337538	20.276 ug/mL#	84
7) Bis(2-chloroethyl)ether	4.041	93	2377220	21.183 ug/mL	97
8) 2-Chlorophenol	4.095	128	2287963	20.881 ug/mL	96
9) 2-Methylphenol	4.474	108	2098631	21.182 ug/mL	99
10) Bis(2-chloroisopropyl)...	4.523	45	4848379	21.464 ug/mL#	90
11) Acetophenone	4.640	105	2969171	21.470 ug/mL#	78
12) 4-Methylphenol	4.613	108	2213893	21.384 ug/mL	97
13) Hexachloroethane	4.720	117	937555	21.232 ug/mL	96
14) N-Nitroso-di-n-propyla...	4.662	70	1592033	20.835 ug/mL#	85
17) Nitrobenzene	4.806	77	2260917	20.808 ug/mL	98
18) Isophorone	5.025	82	4158603	20.557 ug/mL	95
19) 2-Nitrophenol	5.106	139	1151287	21.307 ug/mL	88
20) 2,4-Dimethylphenol	5.122	107	2088512	20.926 ug/mL	87
21) Bis(2-chloroethoxy)met...	5.229	93	2660503	21.008 ug/mL	98
22) 2-4-Dichlorophenol	5.330	162	1729297	21.260 ug/mL	98
23) Naphthalene	5.491	128	6366431	22.736 ug/mL	99
24) 4-Chloroaniline	5.555	127	2625653	21.214 ug/mL	98
25) Hexachlorobutadiene	5.667	225	895573	20.869 ug/mL	99
26) Caprolactam	5.897	113	726831	22.549 ug/mL#	77
27) 4-Chloro-3-methylphenol	6.042	107	1803194	21.069 ug/mL	91
28) 2-Methylnaphthalene	6.191	142	4262464	21.630 ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	760174	20.716 ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.405	216	1602629	20.248 ug/mL	98
32) 2,4,6-Trichlorophenol	6.507	196	1083770	20.541 ug/mL	93
33) 2,4,5-Trichlorophenol	6.550	196	1118130	20.565 ug/mL	94
35) 2-Chloronaphthalene	6.699	162	3647862	21.285 ug/mL	98
36) 1,1-Biphenyl	6.683	154	4757389	21.666 ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration

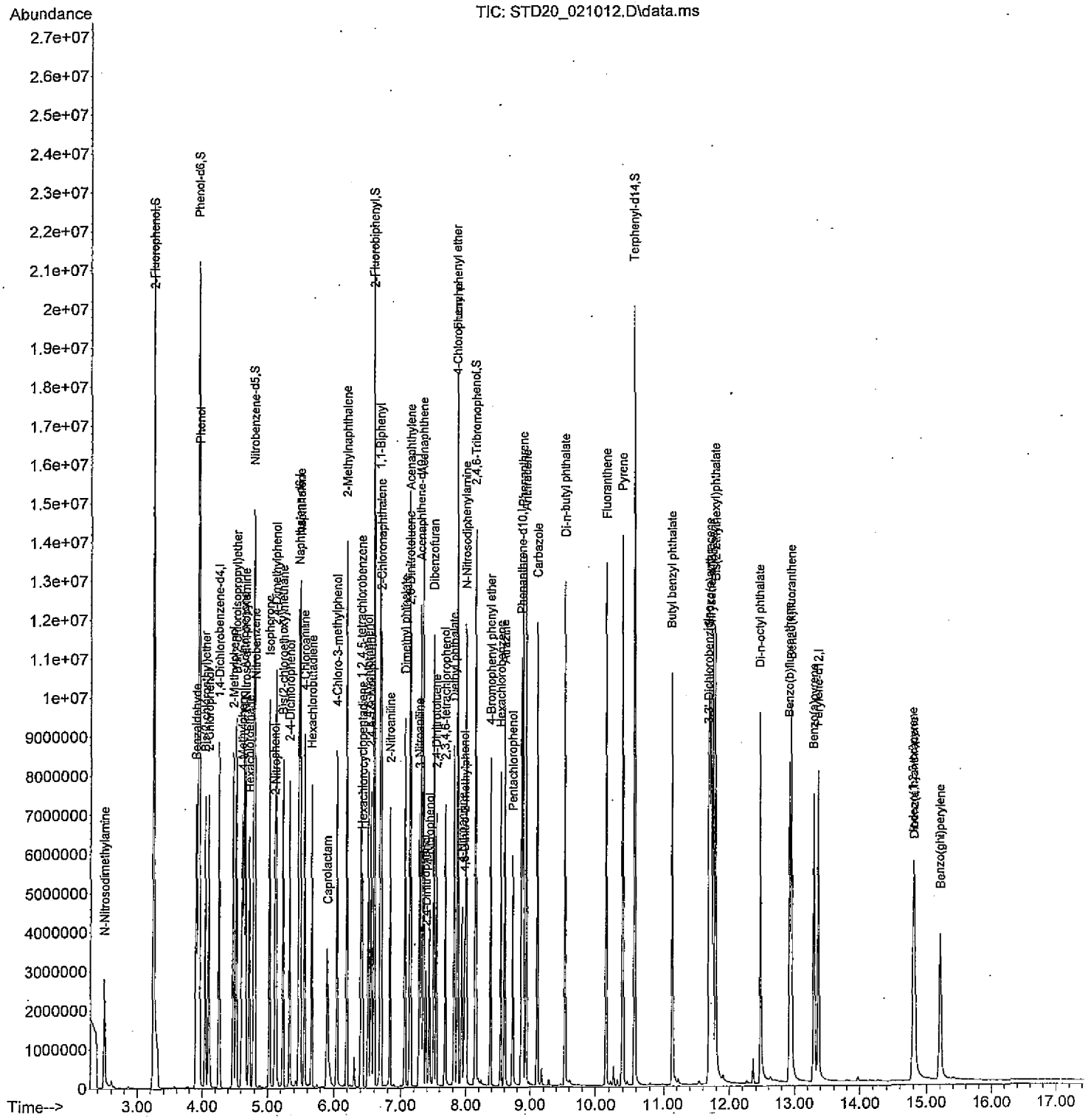
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.838	65	1279016	20.052 ug/mL	91
38) Acenaphthylene	7.143	152	5739692	21.554 ug/mL	98
39) Dimethyl phthalate	7.063	163	4280569	20.374 ug/mL	99
40) 2,6-Dinitrotoluene	7.133	165	885459	21.963 ug/mL#	86
41) 3-Nitroaniline	7.277	138	1171988	20.875 ug/mL	87
42) Acenaphthene	7.341	153	3858846	20.830 ug/mL	96
43) 2,4-Dinitrophenol	7.379	184	365407	18.331 ug/mL	99
44) Dibenzofuran	7.507	168	5058490	20.774 ug/mL	94
45) 4-Nitrophenol	7.438	109	460505	20.164 ug/mL	85
46) 2,4-Dinitrotoluene	7.545	165	1306260	20.008 ug/mL	96
47) 2,3,4,6-tetrachlorophenol	7.678	232	813401	20.307 ug/mL#	93
48) Fluorene	7.871	166	3679283	21.125 ug/mL	100
49) Diethyl phthalate	7.812	149	4084038	20.702 ug/mL	100
50) 4-Chlorophenyl phenyl ...	7.865	204	1686427	20.873 ug/mL	95
51) 4-Nitroaniline	7.935	138	1004797	21.201 ug/mL	94
53) 4,6-Dinitro-2-methylph...	7.978	198	608764	22.241 ug/mL#	13
54) N-Nitrosodiphenylamine	8.004	169	3481894	21.858 ug/mL	97
56) 4-Bromophenyl phenyl e...	8.384	248	971242	20.855 ug/mL	96
57) Hexachlorobenzene	8.539	284	1029629	20.561 ug/mL	99
58) Atrazine	8.604	200	1137368	21.154 ug/mL	97
59) Pentachlorophenol	8.727	266	643418	20.922 ug/mL	99
60) Phenanthrene	8.887	178	5814626	21.724 ug/mL	98
61) Anthracene	8.935	178	6115249	22.510 ug/mL	98
62) Carbazole	9.106	167	5479633	22.006 ug/mL	99
63) Di-n-butyl phthalate	9.534	149	6966538	23.876 ug/mL	98
64) Fluoranthene	10.160	202	6258175	22.326 ug/mL	97
66) Pyrene	10.395	202	6471282	21.257 ug/mL	98
68) Butyl benzyl phthalate	11.123	149	2631292	20.913 ug/mL	99
69) Benzo(a)anthracene	11.695	228	4943659	20.957 ug/mL	99
70) 3,3'-Dichlorobenzidine	11.679	252	1459682	21.849 ug/mL	99
71) Chrysene	11.749	228	4743549	20.776 ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.786	149	3460408	21.277 ug/mL	98
74) Di-n-octyl phthalate	12.471	149	5354515	21.316 ug/mL	100
75) Benzo(b)fluoranthene	12.920	252	4262403m	19.947 ug/mL	
76) Benzo(k)fluoranthene	12.952	252	4325240	21.196 ug/mL	98
77) Benzo(a)pyrene	13.294	252	4103463	20.937 ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.803	276	3379953	20.932 ug/mL#	80
79) Dibenz(a,h)anthracene	14.819	278	2716796	20.830 ug/mL	98
80) Benzo(ghi)perylene	15.209	276	2832401	21.099 ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:21:00 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



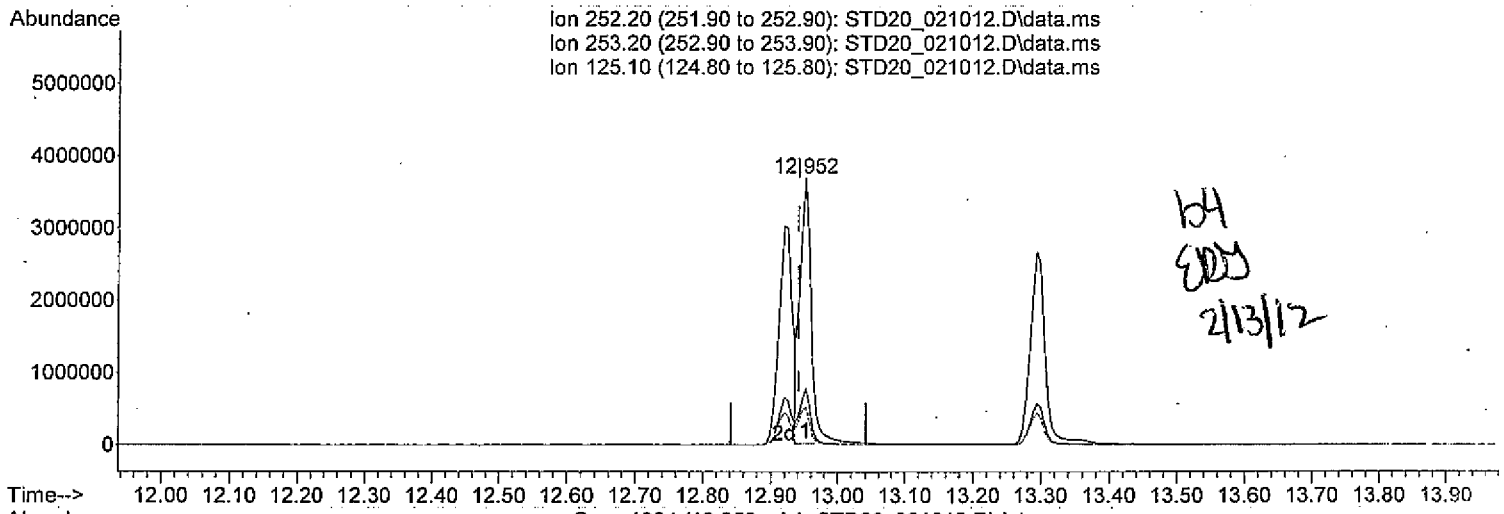
cali021212erg.M Mon Feb 13 11:21:46 2012

Page:

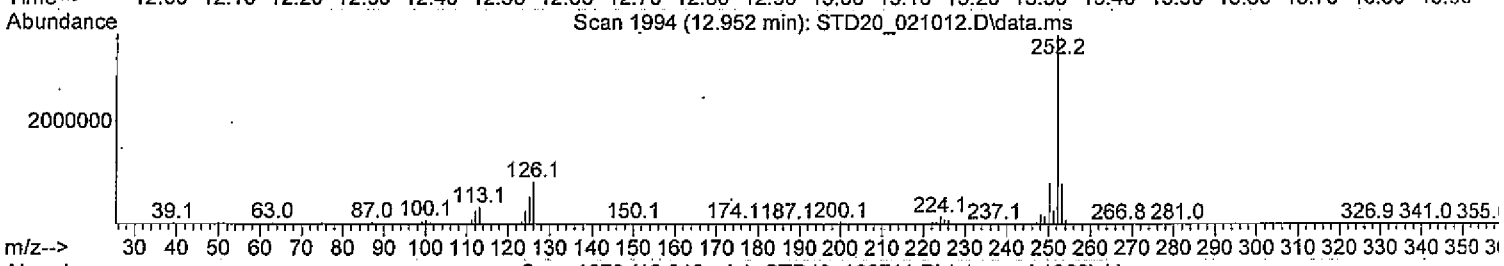
Quantitation Report (Qedit)

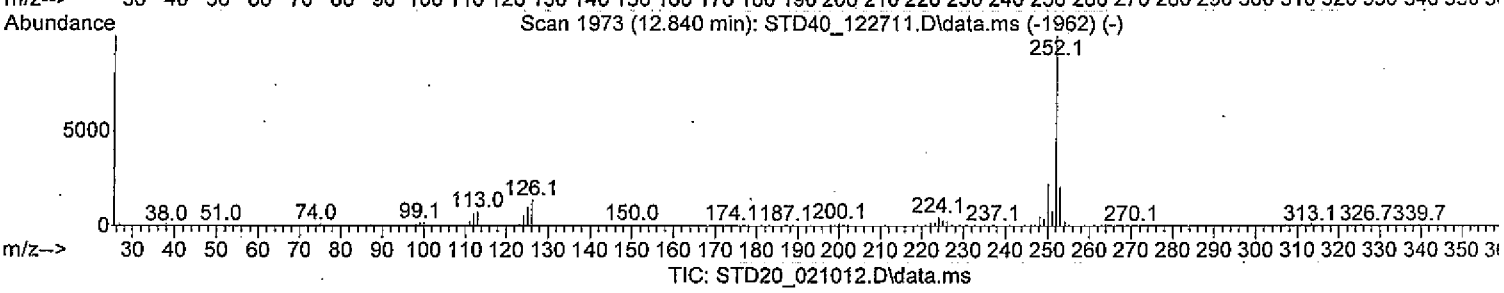
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:20:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



bd
EDD
2/13/12





(75) Benzo(b)fluoranthene

12.952min (+0.011) 19.85 ug/mL

response 4242101

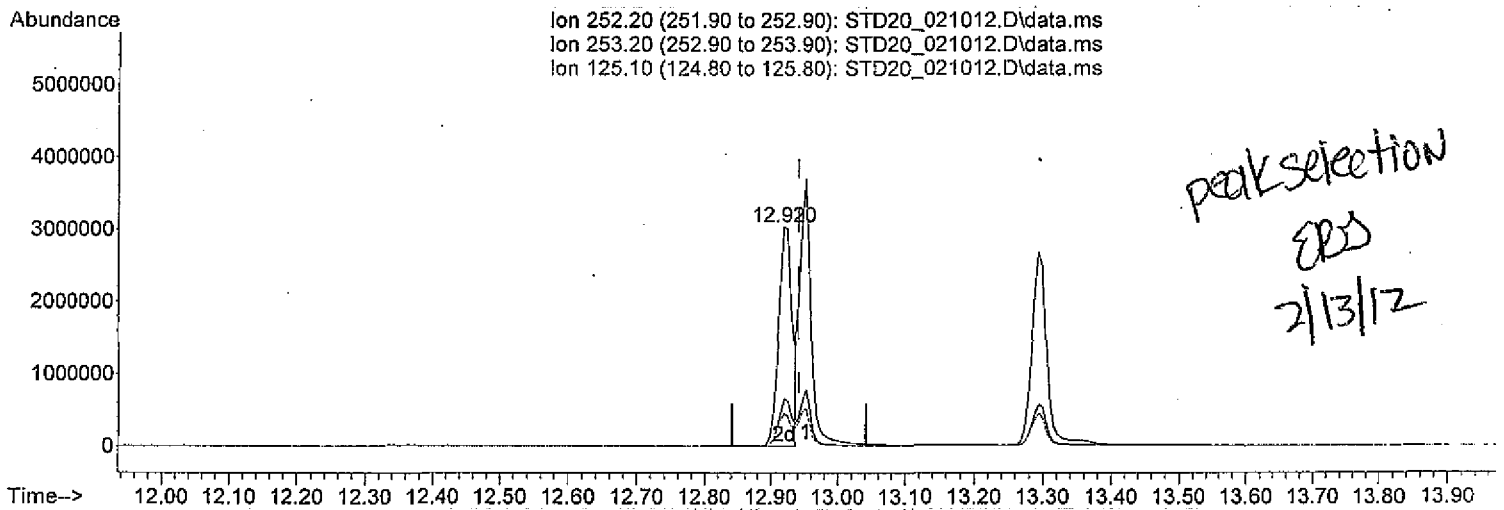
Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.90
125.10	14.70	14.55
0.00	0.00	0.00

✓
OK
KS
2/13/12

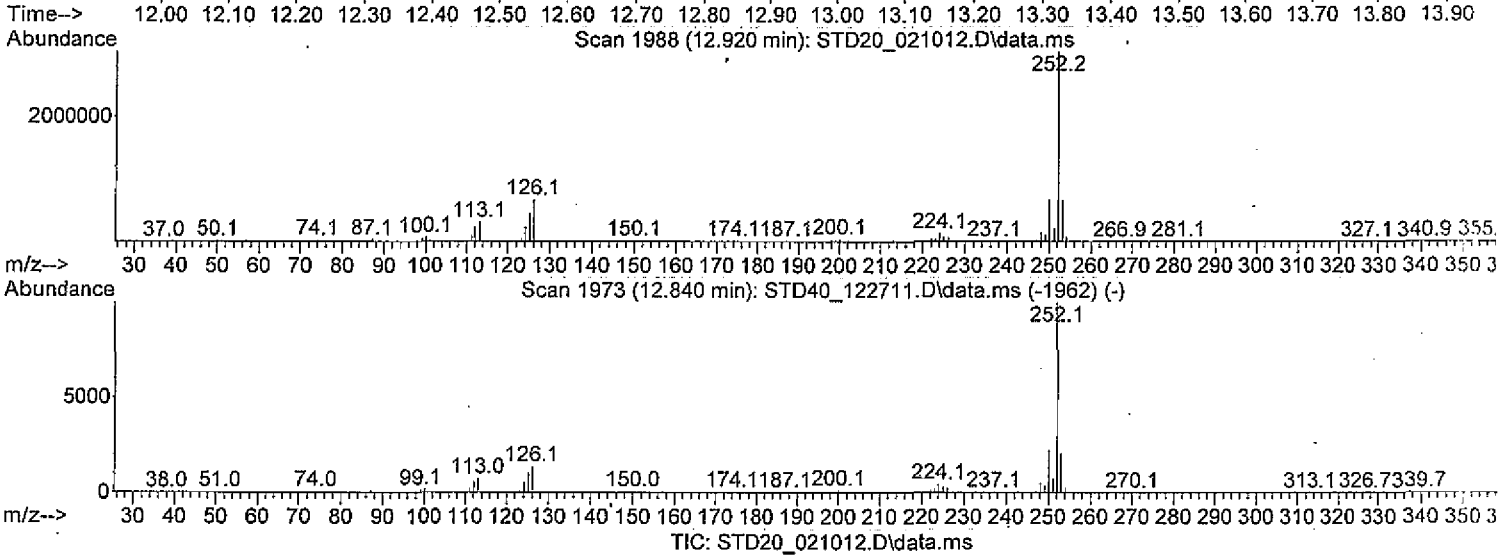
Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012.D
Acq On : 12 Feb 2012 11:55 pm
Operator : ERG 96-5975B
Sample : STD20_021012
Misc : Initial Calibration 021212
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 13 11:20:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:19:17 2012
Response via : Initial Calibration



peak selection
EBS
2/13/12



(75) Benzo(b)fluoranthene

12.920min (-0.021) 19.95 ug/mL m

response 4262403

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	20.80
125.10	14.70	14.48
0.00	0.00	0.00

✓ ok
ICP
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1413607	20.000	ug/mL	0.00
15) Naphthalene-d8	5.469	136	5563705	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2899538	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.866	188	4870908	20.000	ug/mL	0.00
65) Chrysene-d12	11.722	240	3891224	20.000	ug/mL	0.00
73) Perylene-d12	13.364	264	3222824	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.244	112	8449357	99.280	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 99.28%			
5) Phenol-d6	3.940	99	9383811	99.130	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 99.13%			
16) Nitrobenzene-d5	4.790	82	4719654	50.115	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.24%			
34) 2-Fluorobiphenyl	6.598	172	8044135	49.034	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 98.06%			
55) 2,4,6-Tribromophenol	8.154	330	1806915	99.843	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 99.84%			
67) Terphenyl-d14	10.577	244	7425936	49.904	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 99.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	2676405	40.021	ug/mL#	87
4) Benzaldehyde	3.902	77	3111880	39.866	ug/mL	95
6) Phenol	3.956	94	4193237	39.194	ug/mL	93
7) Bis(2-chloroethyl)ether	4.041	93	4022224	38.621	ug/mL	97
8) 2-Chlorophenol	4.095	128	3993321	39.272	ug/mL	96
9) 2-Methylphenol	4.480	108	3615854	39.327	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.523	45	8092505	38.605	ug/mL#	90
11) Acetophenone	4.646	105	4975638	38.770	ug/mL#	76
12) 4-Methylphenol	4.624	108	3824303	39.803	ug/mL	95
13) Hexachloroethane	4.721	117	1581775	38.599	ug/mL	99
14) N-Nitroso-di-n-propyla...	4.672	70	2747747	38.748	ug/mL#	86
17) Nitrobenzene	4.811	77	3855182	38.296	ug/mL	97
18) Isophorone	5.031	82	7246455	38.664	ug/mL	96
19) 2-Nitrophenol	5.111	139	2083454	41.618	ug/mL	90
20) 2,4-Dimethylphenol	5.132	107	3551915	38.411	ug/mL	89
21) Bis(2-chloroethoxy)met...	5.234	93	4551301	38.790	ug/mL	99
22) 2-4-Dichlorophenol	5.336	162	2979978	39.542	ug/mL	98
23) Naphthalene	5.491	128	9612754	37.054	ug/mL	99
24) 4-Chloroaniline	5.560	127	4472914	39.006	ug/mL	97
25) Hexachlorobutadiene	5.667	225	1535926	38.630	ug/mL	100
26) Caprolactam	5.924	113	1165007	39.011	ug/mL#	77
27) 4-Chloro-3-methylphenol	6.052	107	3161749	39.874	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	6816826	37.337	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	1398230	41.795	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.411	216	2736435	37.921	ug/mL	98
32) 2,4,6-Trichlorophenol	6.512	196	1923968	39.996	ug/mL	93
33) 2,4,5-Trichlorophenol	6.555	196	1978239	39.908	ug/mL	95
35) 2-Chloronaphthalene	6.705	162	5740538	36.740	ug/mL	98
36) 1,1-Biphenyl	6.689	154	7220603	36.069	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration

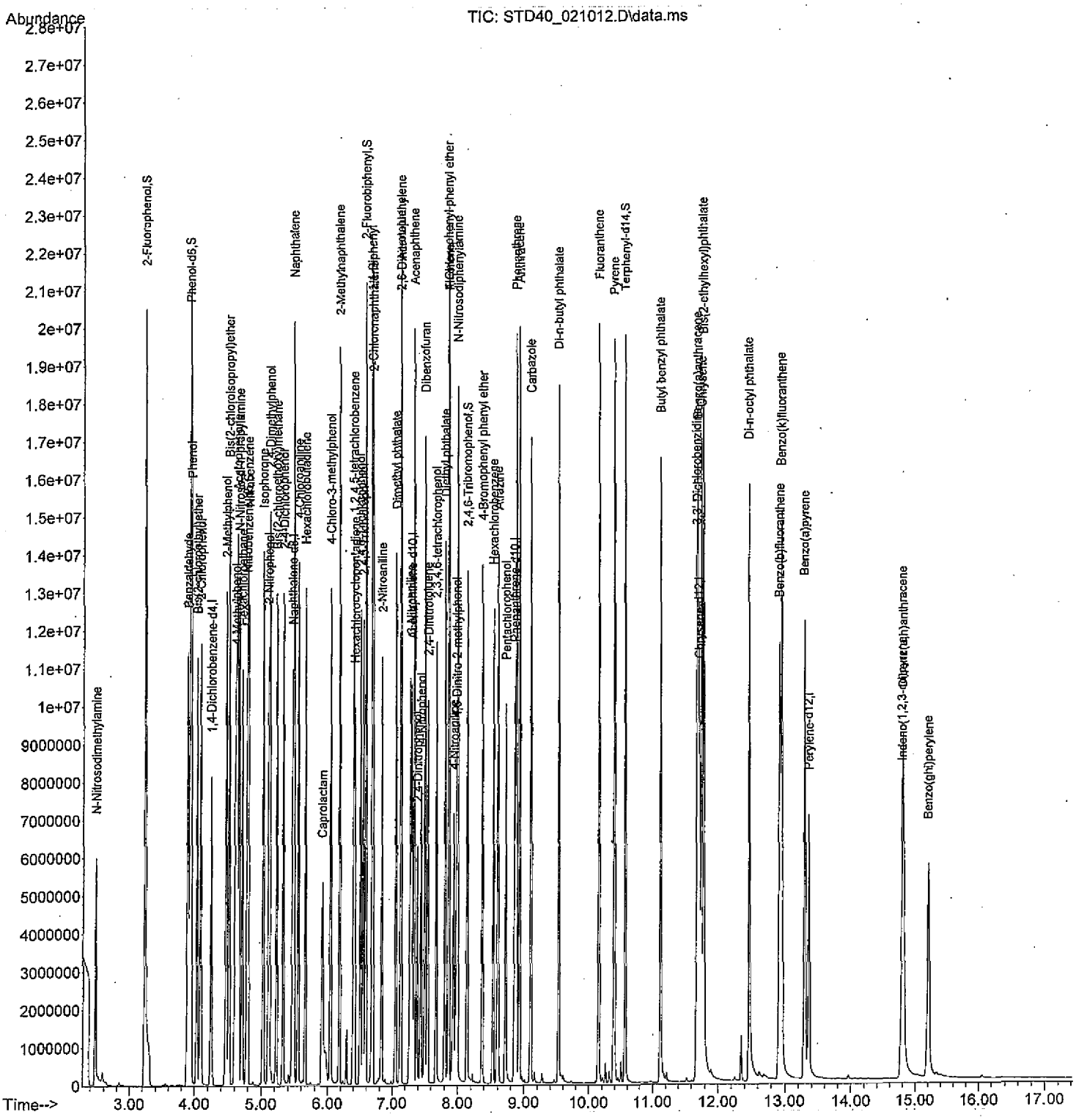
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.844	65	2348221	40.380 ug/mL	91
38) Acenaphthylene	7.149	152	8815840	36.312 ug/mL	98
39) Dimethyl phthalate	7.069	163	7544016	39.385 ug/mL	99
40) 2,6-Dinitrotoluene	7.143	165	1405918	38.250 ug/mL#	86
41) 3-Nitroaniline	7.288	138	2101334	41.053 ug/mL	85
42) Acenaphthene	7.347	153	6233986	36.910 ug/mL	97
43) 2,4-Dinitrophenol	7.389	184	855029	47.048 ug/mL	100
44) Dibenzofuran	7.513	168	8542636	38.480 ug/mL	94
45) 4-Nitrophenol	7.448	109	903064	43.372 ug/mL	85
46) 2,4-Dinitrotoluene	7.555	165	2467121	41.449 ug/mL	95
47) 2,3,4,6-tetrachlorophenol	7.684	232	1483076	40.611 ug/mL#	94
48) Fluorene	7.876	166	5663681	35.668 ug/mL	100
49) Diethyl phthalate	7.817	149	7137513	39.684 ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.871	204	2694281	36.578 ug/mL	98
51) 4-Nitroaniline	7.946	138	1811740	41.930 ug/mL	93
53) 4,6-Dinitro-2-methylph...	7.989	198	1265992	48.834 ug/mL#	38
54) N-Nitrosodiphenylamine	8.010	169	5703248	37.800 ug/mL	97
56) 4-Bromophenyl phenyl e...	8.384	248	1691267	38.342 ug/mL	94
57) Hexachlorobenzene	8.545	284	1804837	38.052 ug/mL	97
58) Atrazine	8.614	200	2028535	39.835 ug/mL	97
59) Pentachlorophenol	8.732	266	1249074	42.883 ug/mL	99
60) Phenanthrene	8.892	178	9699901	38.262 ug/mL	98
61) Anthracene	8.941	178	9990850	38.829 ug/mL	99
62) Carbazole	9.112	167	9381361	39.777 ug/mL	99
63) Di-n-butyl phthalate	9.534	149	10249822	37.088 ug/mL	99
64) Fluoranthene	10.165	202	10511671	39.593 ug/mL	95
66) Pyrene	10.401	202	10811408	39.523 ug/mL	95
68) Butyl benzyl phthalate	11.128	149	4573171	40.449 ug/mL	98
69) Benzo(a)anthracene	11.701	228	8282524	39.074 ug/mL	99
70) 3,3'-Dichlorobenzidine	11.684	252	2489113	41.464 ug/mL	98
71) Chrysene	11.759	228	8216079	40.048 ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.786	149	5986102	40.962 ug/mL	98
74) Di-n-octyl phthalate	12.476	149	9716370	43.088 ug/mL	100
75) Benzo(b)fluoranthene	12.931	252	8161485	41.826 ug/mL	99
76) Benzo(k)fluoranthene	12.963	252	7107501	38.800 ug/mL	97
77) Benzo(a)pyrene	13.305	252	7250304	41.207 ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.813	276	5663243	39.068 ug/mL#	81
79) Dibenz(a,h)anthracene	14.829	278	4622330	39.477 ug/mL	98
80) Benzo(ghi)perylene	15.220	276	4539541	37.669 ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012.D
Acq On : 13 Feb 2012 12:45 am
Operator : ERG 96-5975B
Sample : STD40_021012
Misc : Initial Calibration 021212
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 11:21:56 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:21:27 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1383291	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	5416333	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2769463	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4831900	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	3659974	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2970562	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	7966922	95.663	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 95.66%			
5) Phenol-d6	3.945	99	8486154	91.612	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 91.61%			
16) Nitrobenzene-d5	4.795	82	4566617	49.810	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 99.62%			
34) 2-Fluorobiphenyl	6.598	172	7888947	50.347	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 100.70%			
55) 2,4,6-Tribromophenol	8.160	330	1661173	92.531	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 92.53%			
67) Terphenyl-d14	10.577	244	6996657	49.990	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 99.98%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	3451077	52.735	ug/mL	94
4) Benzaldehyde	3.902	77	3851672	50.425	ug/mL	95
6) Phenol	3.956	94	5946416	56.799	ug/mL	96
7) Bis(2-chloroethyl)ether	4.047	93	5424799	53.230	ug/mL	97
8) 2-Chlorophenol	4.100	128	5548326	55.760	ug/mL	96
9) 2-Methylphenol	4.480	108	4937923	54.883	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.528	45	10598659	51.668	ug/mL#	91
11) Acetophenone	4.651	105	6603107	52.578	ug/mL#	75
12) 4-Methylphenol	4.630	108	5148951	54.765	ug/mL	94
13) Hexachloroethane	4.720	117	2162373	53.924	ug/mL	99
14) N-Nitroso-di-n-propyla...	4.683	70	3773466	54.379	ug/mL#	87
17) Nitrobenzene	4.817	77	5380844	54.906	ug/mL	97
18) Isophorone	5.041	82	10147982	55.618	ug/mL	95
19) 2-Nitrophenol	5.116	139	2917829	59.871	ug/mL	90
20) 2,4-Dimethylphenol	5.138	107	4821006	53.554	ug/mL	90
21) Bis(2-chloroethoxy)met...	5.239	93	6153467	53.873	ug/mL	99
22) 2-4-Dichlorophenol	5.341	162	4111967	56.047	ug/mL	97
23) Naphthalene	5.491	128	11557133	45.761	ug/mL	97
24) 4-Chloroaniline	5.560	127	6061377	54.296	ug/mL	97
25) Hexachlorobutadiene	5.667	225	2117887	54.716	ug/mL	99
26) Caprolactam	5.951	113	1659610	57.085	ug/mL#	78
27) 4-Chloro-3-methylphenol	6.063	107	4395978	56.948	ug/mL	91
28) 2-Methylnaphthalene	6.197	142	8831415	49.687	ug/mL	100
30) Hexachlorocyclopentadiene	6.427	237	1978426	61.916	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.411	216	3728545	54.097	ug/mL	98
32) 2,4,6-Trichlorophenol	6.518	196	2676429	58.252	ug/mL	93
33) 2,4,5-Trichlorophenol	6.560	196	2748023	58.041	ug/mL	94
35) 2-Chloronaphthalene	6.710	162	7361382	49.326	ug/mL	99
36) 1,1-Biphenyl	6.694	154	8734921	45.683	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration

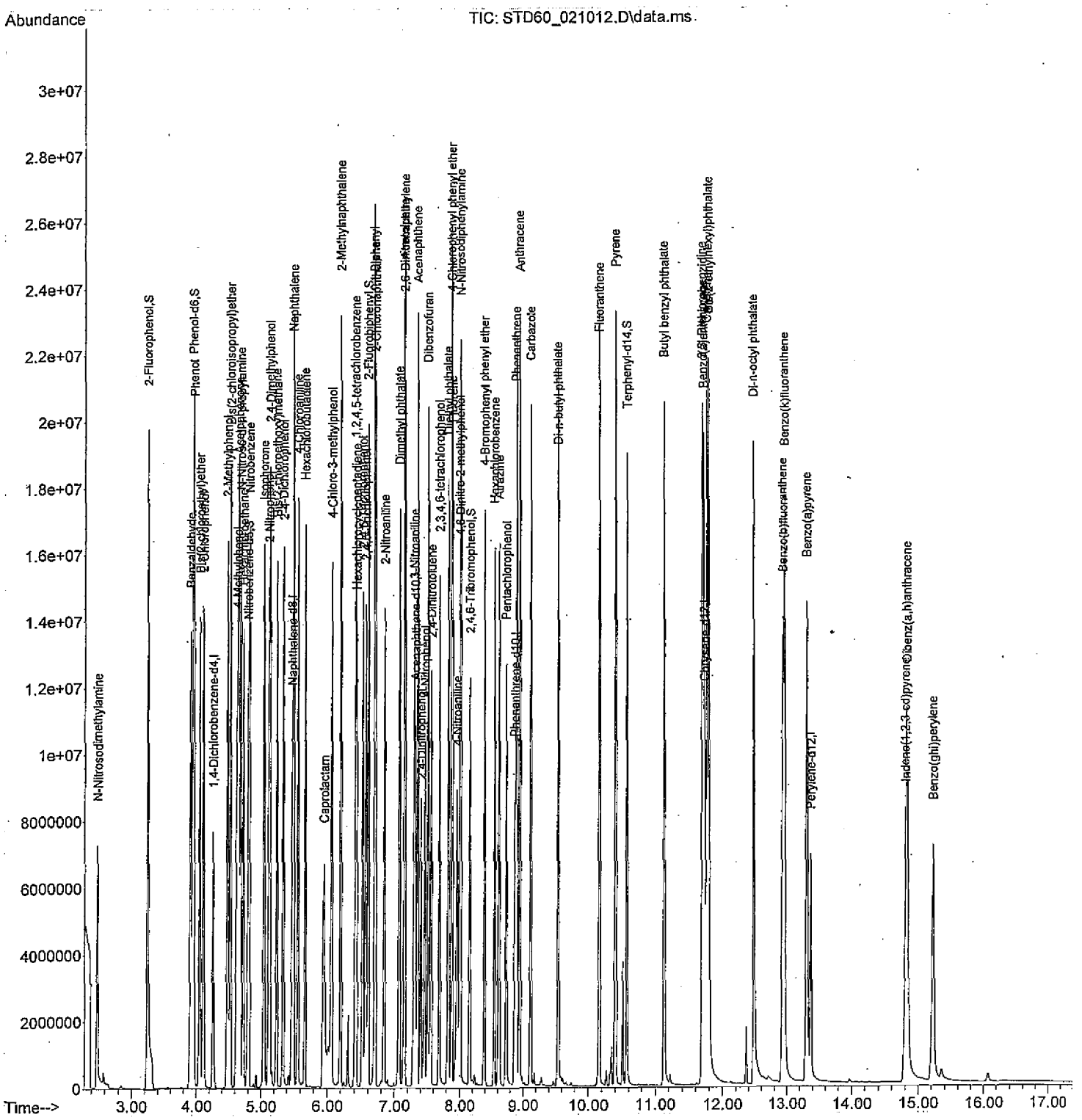
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.849	65	3309649	59.586 ug/mL	91
38) Acenaphthylene	7.154	152	11035462	47.589 ug/mL	98
39) Dimethyl phthalate	7.074	163	10306085	56.332 ug/mL	99
40) 2,6-Dinitrotoluene	7.149	165	1777857	50.641 ug/mL#	84
41) 3-Nitroaniline	7.293	138	2870461	58.714 ug/mL	85
42) Acenaphthene	7.352	153	8216953	50.936 ug/mL	96
43) 2,4-Dinitrophenol	7.400	184	1376460	79.298 ug/mL	96
44) Dibenzofuran	7.512	168	10891293	51.364 ug/mL	96
45) 4-Nitrophenol	7.459	109	1318294	66.288 ug/mL	85
46) 2,4-Dinitrotoluene	7.566	165	3534819	62.176 ug/mL	94
47) 2,3,4,6-tetrachlorophenol	7.689	232	2126442	60.963 ug/mL	96
48) Fluorene	7.887	166	7166624	47.253 ug/mL	100
49) Diethyl phthalate	7.823	149	9672297	56.303 ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.876	204	3458006	49.151 ug/mL	98
51) 4-Nitroaniline	7.956	138	2511405	60.853 ug/mL	92
53) 4,6-Dinitro-2-methylph...	7.999	198	1792714	69.710 ug/mL#	48
54) N-Nitrosodiphenylamine	8.015	169	7404531	49.472 ug/mL	97
56) 4-Bromophenyl phenyl e...	8.390	248	2367340	54.103 ug/mL	93
57) Hexachlorobenzene	8.550	284	2628172	55.858 ug/mL	93
58) Atrazine	8.625	200	2802560	55.479 ug/mL	98
59) Pentachlorophenol	8.737	266	1834829	63.502 ug/mL	99
60) Phenanthrene	8.892	178	12266419	48.776 ug/mL	100
61) Anthracene	8.946	178	12243175	47.967 ug/mL	98
62) Carbazole	9.117	167	12158011	51.966 ug/mL	100
63) Di-n-butyl phthalate	9.534	149	12299327	44.864 ug/mL	97
64) Fluoranthene	10.165	202	13241408	50.278 ug/mL	95
66) Pyrene	10.406	202	13338383	51.841 ug/mL	95
68) Butyl benzyl phthalate	11.133	149	6186854	58.180 ug/mL	98
69) Benzo(a)anthracene	11.711	228	11430646	57.333 ug/mL	98
70) 3,3'-Dichlorobenzidine	11.695	252	3293063	58.322 ug/mL	97
71) Chrysene	11.765	228	11141801	57.740 ug/mL	97
72) Bis(2-ethylhexyl)phtha...	11.791	149	7946535	57.812 ug/mL	98
74) Di-n-octyl phthalate	12.481	149	12838757	61.769 ug/mL	100
75) Benzo(b)fluoranthene	12.941	252	11322349	62.952 ug/mL	99
76) Benzo(k)fluoranthene	12.968	252	9856772m	58.377 ug/mL	
77) Benzo(a)pyrene	13.316	252	10024545	61.813 ug/mL	97
78) Indeno(1,2,3-cd)pyrene	14.813	276	7538553	56.422 ug/mL#	83
79) Dibenz(a,h)anthracene	14.840	278	6175871	57.224 ug/mL	97
80) Benzo(ghi)perylene	15.231	276	5997974	53.998 ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

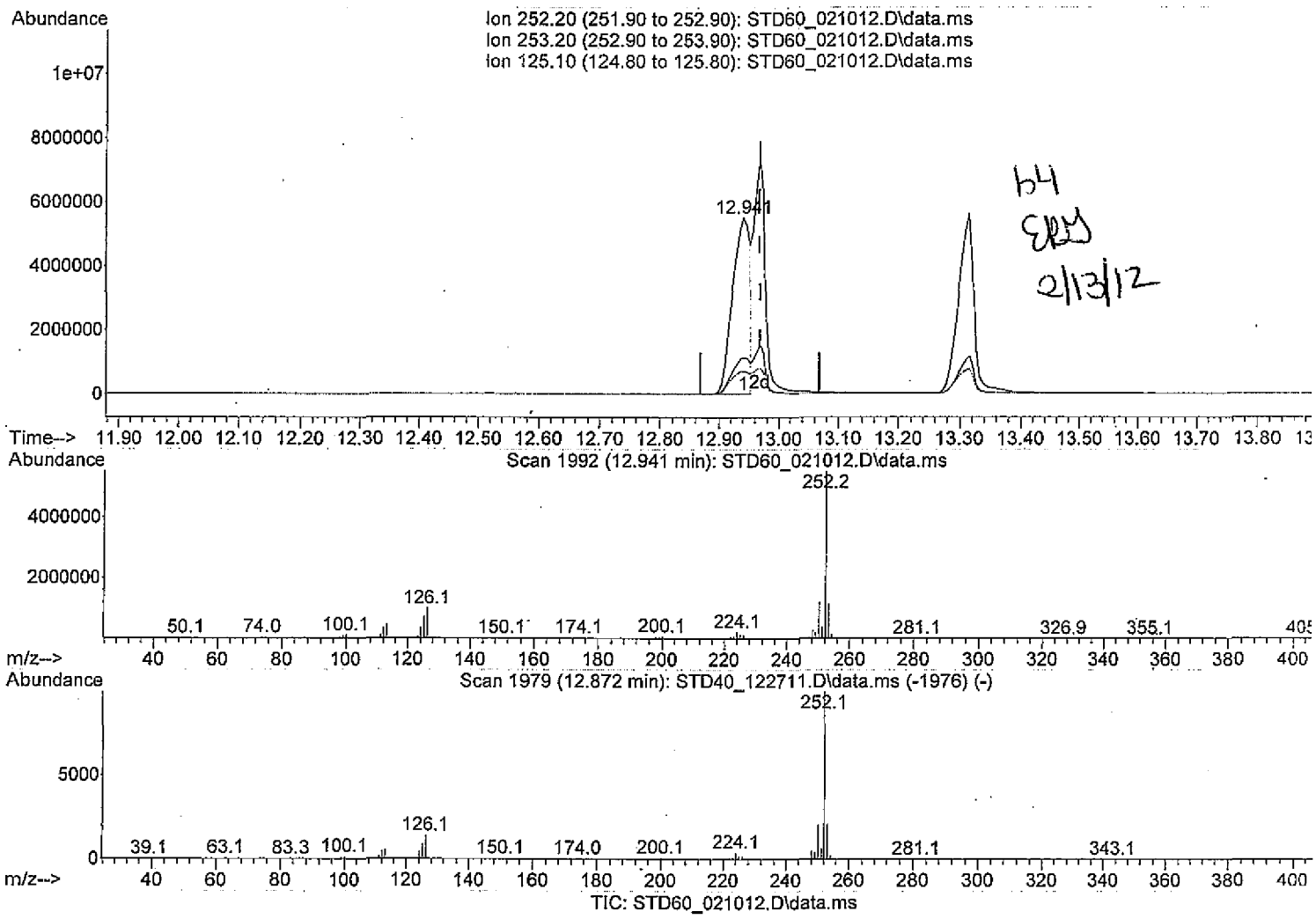
Quant Time: Feb 13 11:24:03 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:23:07 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



b4
EBY
2/13/12

(76) Benzo(k)fluoranthene

12.941min (-0.027) 67.01 ug/mL

response 11315156

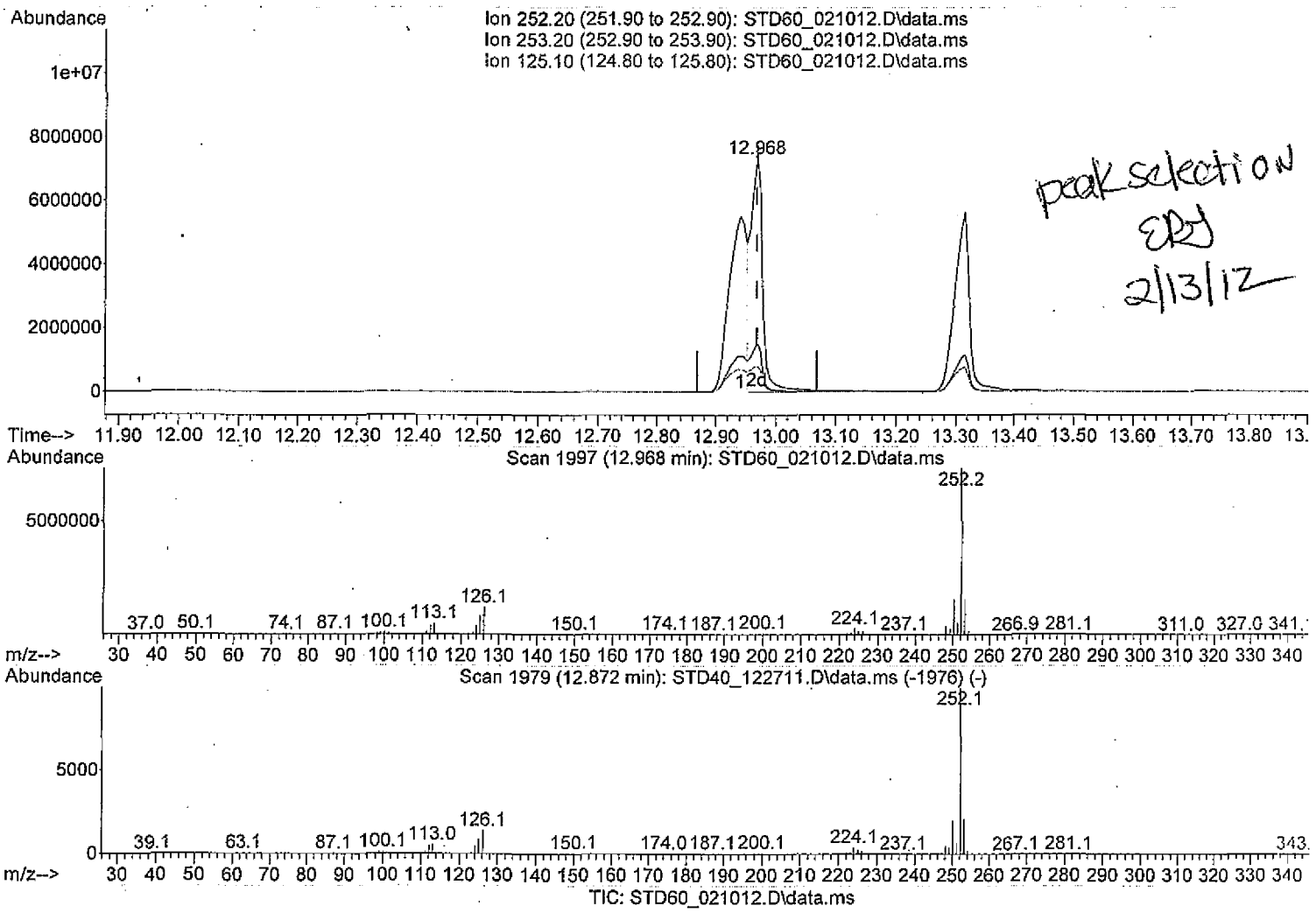
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.17
125.10	14.90	14.33
0.00	0.00	0.00

OK
LS
2/13/12

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012.D
Acq On : 13 Feb 2012 1:35 am
Operator : ERG 96-5975B
Sample : STD60_021012
Misc : Initial Calibration 021212
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 11:23:07 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:22:42 2012
Response via : Initial Calibration



peak selection
ERG
2/13/12

(76) Benzo(k)fluoranthene

12.968min (0.000) 58.38 µg/mL m

response 9856772

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	24.30
125.10	14.90	16.45
0.00	0.00	0.00

✓ OK
CLP
2/13/12

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1271635	20.000	ug/mL	0.00
15) Naphthalene-d8	5.475	136	4950545	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	2400963	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.871	188	4558951	20.000	ug/mL	0.00
65) Chrysene-d12	11.733	240	3404470	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2712559	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	8163987	106.637	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 106.64%			
5) Phenol-d6	3.945	99	8501211	99.833	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 99.83%			
16) Nitrobenzene-d5	4.795	82	4200521	50.127	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 100.26%			
34) 2-Fluorobiphenyl	6.603	172	7374735	54.289	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 108.58%			
55) 2,4,6-Tribromophenol	8.160	330	1779982	105.085	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.09%			
67) Terphenyl-d14	10.577	244	6848679	52.605	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 105.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.485	74	4803065	79.839	ug/mL	91
4) Benzaldehyde	3.897	77	4505043	64.157	ug/mL	96
6) Phenol	3.961	94	7139532	74.183	ug/mL	97
7) Bis(2-chloroethyl)ether	4.047	93	6409343	68.412	ug/mL	97
8) 2-Chlorophenol	4.100	128	6563286	71.752	ug/mL	97
9) 2-Methylphenol	4.485	108	5880092	71.093	ug/mL	99
10) Bis(2-chloroisopropyl)...	4.528	45	12224946	64.829	ug/mL#	91
11) Acetophenone	4.651	105	7655253	66.309	ug/mL#	75
12) 4-Methylphenol	4.635	108	5984009	69.235	ug/mL	94
13) Hexachloroethane	4.721	117	2501653	67.862	ug/mL	98
14) N-Nitroso-di-n-propyla...	4.688	70	4551406	71.349	ug/mL	89
17) Nitrobenzene	4.817	77	6432404	71.811	ug/mL	97
18) Isophorone	5.047	82	12348588	74.046	ug/mL	95
19) 2-Nitrophenol	5.116	139	3467995	77.855	ug/mL	90
20) 2,4-Dimethylphenol	5.143	107	5816506	70.692	ug/mL	90
21) Bis(2-chloroethoxy)met...	5.245	93	7164007	68.621	ug/mL	98
22) 2-4-Dichlorophenol	5.341	162	4896217	73.016	ug/mL	98
23) Naphthalene	5.491	128	12391838	53.682	ug/mL	95
24) 4-Chloroaniline	5.566	127	7234516	70.902	ug/mL	97
25) Hexachlorobutadiene	5.667	225	2467528	69.747	ug/mL	100
26) Caprolactam	5.961	113	2075376	78.102	ug/mL#	77
27) 4-Chloro-3-methylphenol	6.068	107	5359296	75.960	ug/mL	91
28) 2-Methylnaphthalene	6.202	142	10193101	62.742	ug/mL	99
30) Hexachlorocyclopentadiene	6.432	237	2389409	86.255	ug/mL	99
31) 1,2,4,5-tetrachloroben...	6.416	216	4447296	74.428	ug/mL	98
32) 2,4,6-Trichlorophenol	6.523	196	3253338	81.676	ug/mL	93
33) 2,4,5-Trichlorophenol	6.566	196	3366418	82.020	ug/mL	93
35) 2-Chloronaphthalene	6.710	162	8350077	64.539	ug/mL	99
36) 1,1-Biphenyl	6.694	154	9428630	56.879	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration

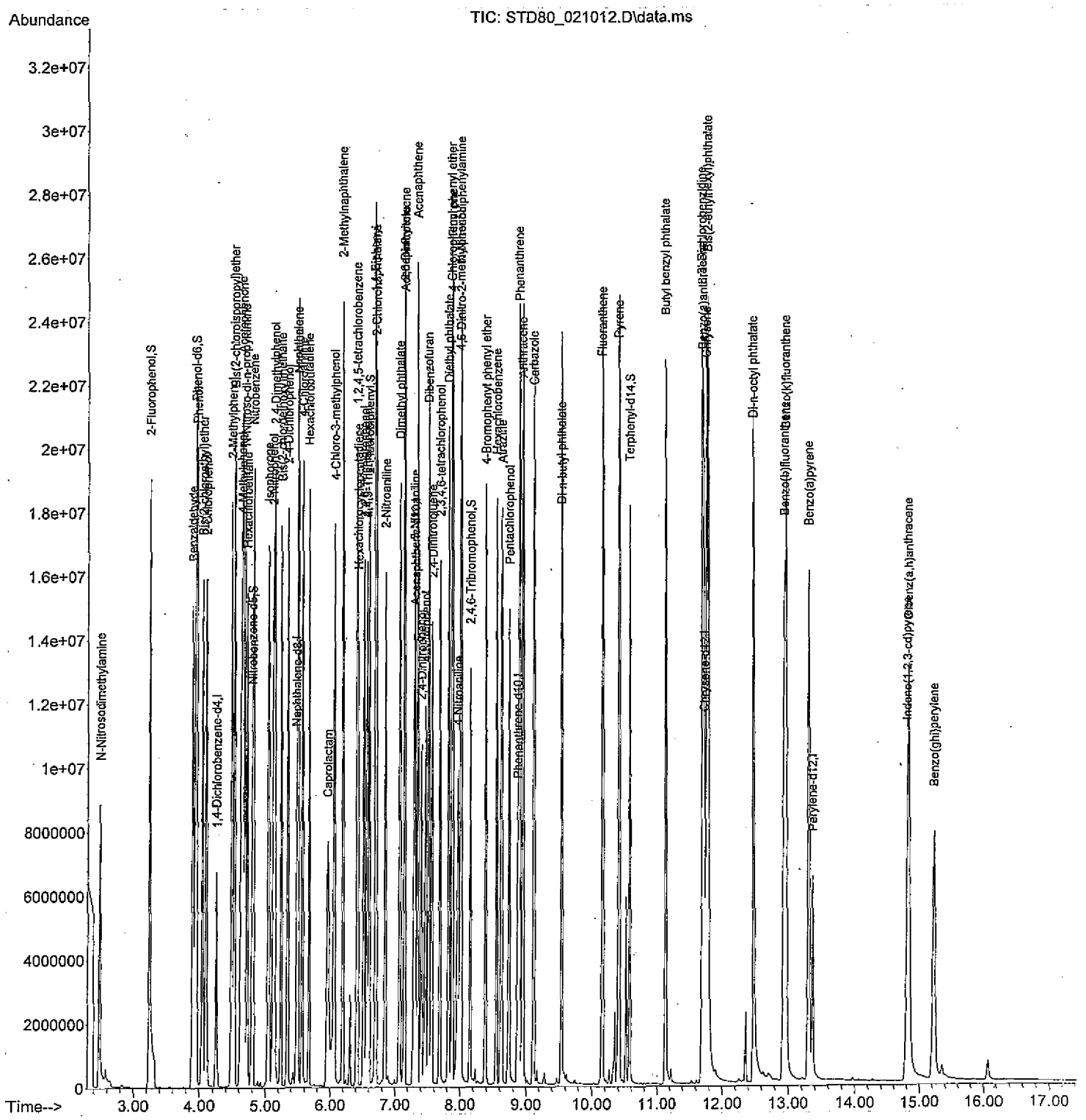
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.855	65	4113324	85.422 ug/mL	90
38) Acenaphthylene	7.154	152	12215091	60.761 ug/mL	99
39) Dimethyl phthalate	7.079	163	12479006	78.678 ug/mL	99
40) 2,6-Dinitrotoluene	7.160	165	2056521	67.569 ug/mL#	84
41) 3-Nitroaniline	7.299	138	3448854	81.372 ug/mL	85
42) Acenaphthene	7.352	153	9540199	68.215 ug/mL	96
43) 2,4-Dinitrophenol	7.406	184	1916947	127.385 ug/mL	100
44) Dibenzofuran	7.513	168	12478472	67.881 ug/mL	98
45) 4-Nitrophenol	7.470	109	1732399	100.481 ug/mL	85
46) 2,4-Dinitrotoluene	7.571	165	4432418	89.931 ug/mL	93
47) 2,3,4,6-tetrachlorophenol	7.694	232	2639062	87.271 ug/mL	95
48) Fluorene	7.887	166	8251612	62.757 ug/mL	100
49) Diethyl phthalate	7.828	149	11547435	77.534 ug/mL	99
50) 4-Chlorophenyl phenyl ...	7.882	204	4018721	65.887 ug/mL	97
51) 4-Nitroaniline	7.973	138	3045974	85.173 ug/mL	93
53) 4,6-Dinitro-2-methylph...	8.010	198	2134729	87.979 ug/mL#	50
54) N-Nitrosodiphenylamine	8.021	169	8652558	61.272 ug/mL	96
56) 4-Bromophenyl phenyl e...	8.395	248	2953573	71.542 ug/mL	90
57) Hexachlorobenzene	8.556	284	3308154	74.519 ug/mL#	89
58) Atrazine	8.630	200	3501849	73.473 ug/mL	97
59) Pentachlorophenol	8.743	266	2400427	88.051 ug/mL	99
60) Phenanthrene	8.898	178	14026975	59.116 ug/mL	98
61) Anthracene	8.946	178	13736813	57.041 ug/mL	96
62) Carbazole	9.117	167	13885139	62.902 ug/mL	98
63) Di-n-butyl phthalate	9.534	149	13977737	54.039 ug/mL#	96
64) Fluoranthene	10.165	202	14977486	60.274 ug/mL	95
66) Pyrene	10.406	202	15688566	65.552 ug/mL	95
68) Butyl benzyl phthalate	11.134	149	7612667	76.960 ug/mL	96
69) Benzo(a)anthracene	11.711	228	13847633	74.668 ug/mL	98
70) 3,3'-Dichlorobenzidine	11.701	252	3930299	74.832 ug/mL#	96
71) Chrysene	11.765	228	13046709	72.686 ug/mL	98
72) Bis(2-ethylhexyl)phtha...	11.791	149	9403437	73.546 ug/mL	98
74) Di-n-octyl phthalate	12.481	149	15102136	79.569 ug/mL	100
75) Benzo(b)fluoranthene	12.952	252	13726142	83.567 ug/mL	98
76) Benzo(k)fluoranthene	12.974	252	11597326m	75.187 ug/mL	
77) Benzo(a)pyrene	13.321	252	11926125	80.536 ug/mL	96
78) Indeno(1,2,3-cd)pyrene	14.829	276	9216763	75.571 ug/mL#	85
79) Dibenz(a,h)anthracene	14.851	278	7582581	76.941 ug/mL	96
80) Benzo(ghi)perylene	15.241	276	7291349	71.896 ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

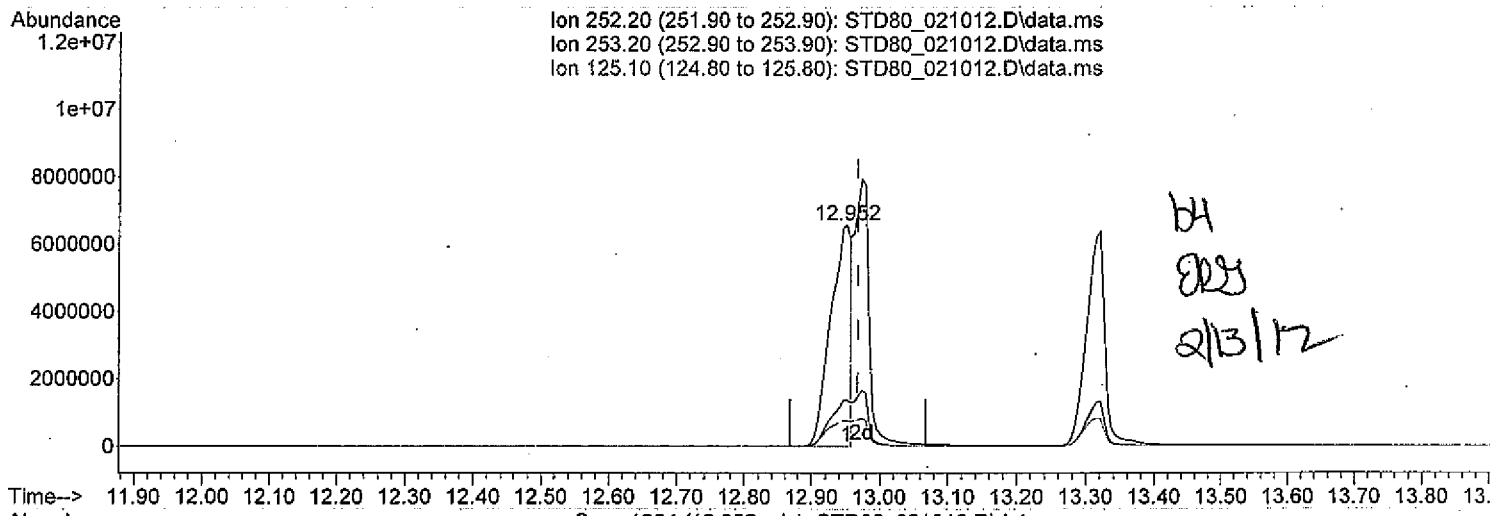
Quant Time: Feb 13 11:25:57 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



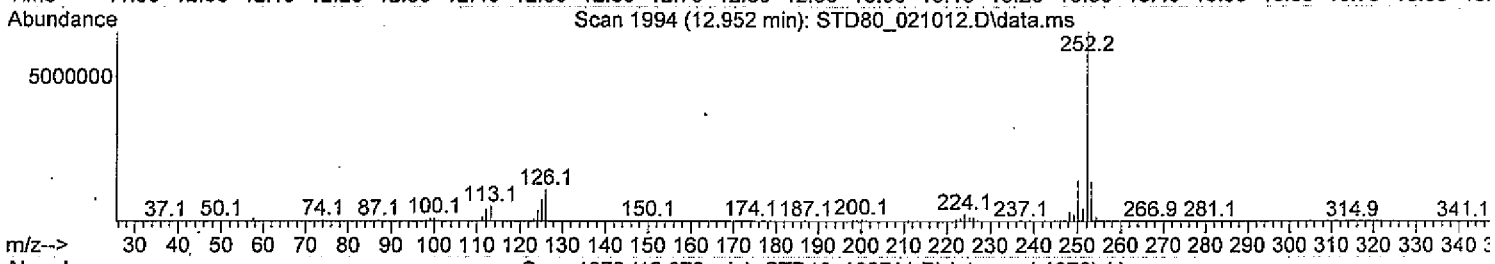
Quantitation Report (Qedit)

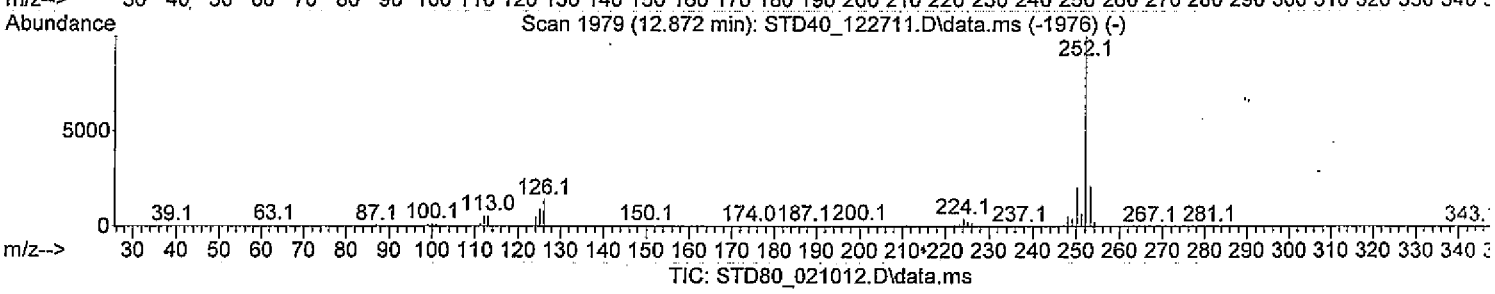
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



bH
ERG
2/13/12





TIC: STD80_021012.D\data.ms

(76) Benzo(k)fluoranthene

12.952min (-0.016) 88.99 ug/mL

response 13726142

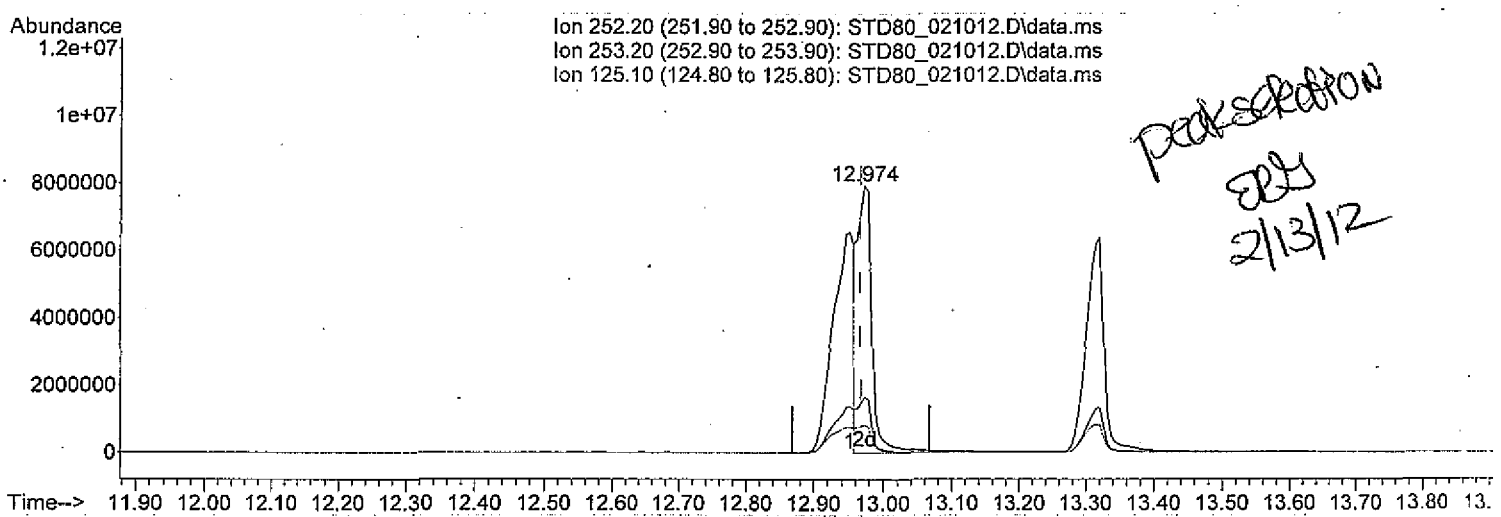
Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.15
125.10	14.90	13.43
0.00	0.00	0.00

OK
KP
2/13/12

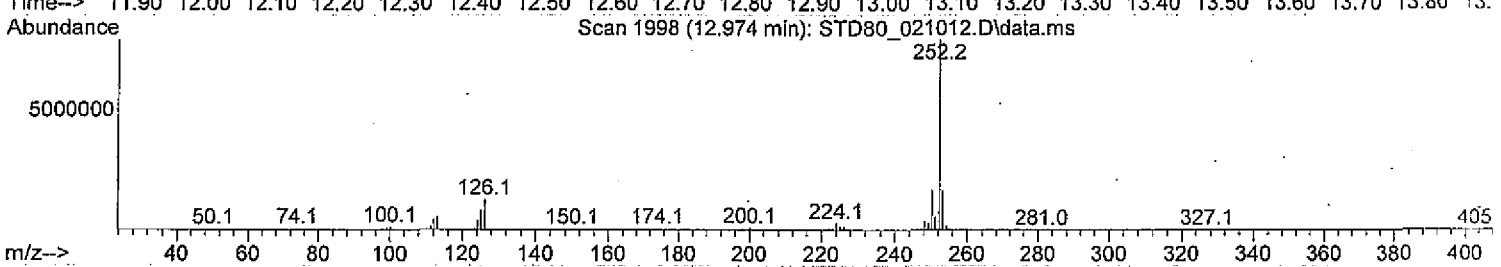
Quantitation Report (Qedit)

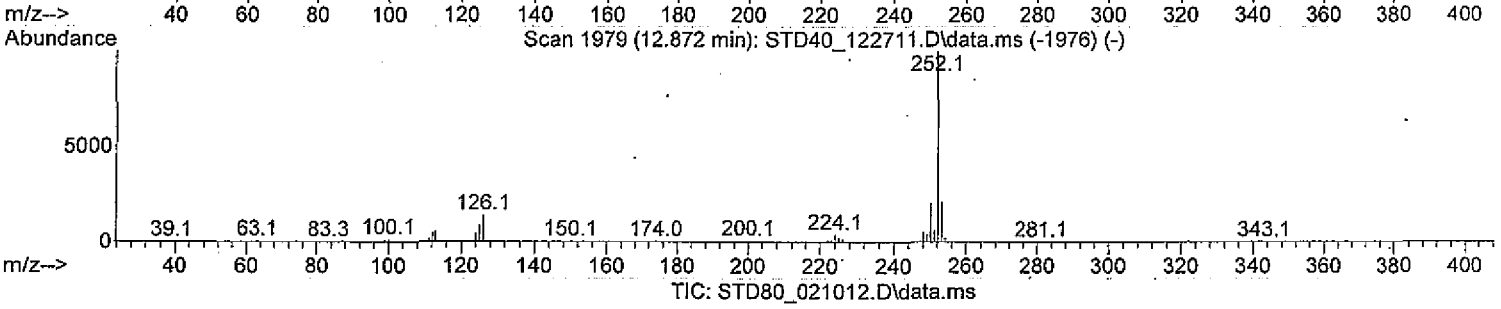
Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012.D
Acq On : 13 Feb 2012 2:26 am
Operator : ERG 96-5975B
Sample : STD80_021012
Misc : Initial Calibration 021212
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 11:25:04 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:24:35 2012
Response via : Initial Calibration



Peak selection
EBY
2/13/12





(76) Benzo(k)fluoranthene

12.974min (+0.005) 75.19 ug/mL m

response 11597326

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	25.03
125.10	14.90	15.89
0.00	0.00	0.00

OK
LB
2/13/12

Prepared By: ERD/Cerstel
Prepared Date: 2/10/12
Expiration Date: 8/10/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeCl2/138945
Reagent Purity: ERD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)						Conc. of prepared solution (µg/mL)						Final volume of prepared solution (mL)	Prepared Solution ID
	1200106	1200107	1200108	1200109	1100836	1100808	1200106	1200107	1200108	1200109	1100836	1100808		
1200106, 1200107, 1200108, 1200109, 1100836, 1100808	80	80	80	10	10	10	80	80	80	20	50	100	1.0	Std80_021012
	60	60	60	10	10	10	60	60	60	20	50	100	1.0	Std60_021012
	40	40	40	10	10	10	40	40	40	20	50	100	1.0	Std40_021012
	20	20	20	10	10	10	20	20	20	20	50	100	1.0	Std20_021012
	10	10	10	10	10	10	10	10	10	20	50	100	1.0	Std10_021012
	5	5	5	10	10	10	5	5	5	20	50	100	1.0	Std05_021012

Comments: 1200106 – MegaMix
1200107 – Additions
1200108 – N-Nitroso
1200109 – ISTD
1100836 – B/N

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201with 3 stds.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 730	SolvRes1	2 @ Tray1,VT98
(R) ADD	201 Fill 790	SolvRes1	3 @ Tray1,VT98
(R) ADD	201 Fill 850	SolvRes1	4 @ Tray1,VT98
(R) ADD	201 Fill 910	SolvRes1	5 @ Tray1,VT98
(R) ADD	201 Fill 940	SolvRes1	6 @ Tray1,VT98
(R) ADD	201 Fill 955	SolvRes1	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	14 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	14 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	14 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	14 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	14 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	9 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	9 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	9 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	9 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	9 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	9 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3	13 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4	13 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5	13 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6	13 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7	13 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-10uL	10 @ Tray1,VT98	2 @ Tray1,VT98

(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	10 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-10uLc	10 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-10uL	12 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-10uLb	12 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-10uLc	12 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	ISTD	11 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	ISTD c	11 @ Tray1,VT98	7 @ Tray1,VT98

END

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	MeCl2	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A085199
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDM	Mfgr Expiration:	05/30/2013

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mi EDM 2/2
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mi EDM 2/23
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200107

std_Org_analytical.rpt

Description:	ERG Additions Standards	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A084293
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDY	Mfgr Expiration:	09/30/2013

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31902
Additions Standard
Rec 2/6/12 EDY
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A084293 Exp. Date: 09/2013 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200108

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A069622
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 2/6/12

Prepared By: EDD/Gerstel
Prepared Date: 2/12/12
Expiration Date: 08/12/12
SNB364 Certificate of Analysis

Solvent/Barcode: $MeCl_2$/13895
Reagent Purity: EDD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)										Conc. of prepared solution (µg/mL)										Final volume of prepared solution (mL)	Prepared Solution ID
	1200115	1200116	1200117	1200118	1200119	1200120	1200121	1200122	1200109	1100836	1100808	1200115	1200116	1200118	1200119	1200120	1200121	1200122	1200109	1100836	1100808			
1200115, 1200116, 1200117, 1200118, 1200119, 1200120, 1200121, 1200122, 1200109, 1100836, 1100808	30	30	30	30	30	30	30	30	10	10	10	60	60	60	60	60	60	60	20	50	100	1.0	SCV60-021212

Comments:
1200115 BN Mix 1
1200116 BN Mix 2
1200117 Hoz Mix 1
1200118 Hoz Mix 2
1200119 33
1200120 Phenols
1200121 PAH
1200122 OLM04
1200109 - ISTD
1100836 - BN Surr

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201 SCV with 8 stds.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 730b	SolvRes1	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	9 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	8 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	7 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	6 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	5 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std30	4 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	10 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	12 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-10uL one	11 @ Tray1,VT98	2 @ Tray1,VT98
END			

Analytical Standard Record
U.S. EPA Region 3
1200115

std_Org_analytical.rpt

Description:	ERG B/N Mix I	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	10/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB87423
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	CRD	Mfgr Expiration:	10/30/2014

Analyte	CAS Number	Concentration	Units
4-Bromophenyl phenyl ether	101-55-3	2000	ug/mL
4-Chlorophenyl phenyl ether	7005-72-3	2000	ug/mL
Benzyl butyl phthalate	85-68-7	2000	ug/mL
Bis(2-chloroethoxy)methane	111-91-1	2000	ug/mL
Bis(2-chloroethyl)ether	111-44-4	2000	ug/mL
Bis(2-chloroisopropyl)ether	39638-32-9	2000	ug/mL
Bis(2-ethylhexyl)phthalate	117-81-7	2000	ug/mL
Diethyl phthalate	84-66-2	2000	ug/mL
Dimethyl phthalate	131-11-3	2000	ug/mL
Di-n-butyl phthalate	84-74-2	2000	ug/mL
Di-n-octyl phthalate	117-84-0	2000	ug/mL
N-Nitrosodimethylamine	62-75-9	2000	ug/mL
N-Nitroso-di-n-propylamine	621-64-7	2000	ug/mL
N-Nitrosodiphenylamine	86-30-6	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Base Neutrals Mix 1 **48900-U**

Lot: LB87423 EXP: OCT/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERD

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200117

std_Org_analytical.rpt

Description:	ERG TCL Haz Sub Mix 1	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	04/30/2010
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB74368
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	EPM	Mfgr Expiration:	04/30/2013

Analyte	CAS Number	Concentration	Units
2,4,5-Trichlorophenol	95-95-4	2000	ug/mL
2-Methylphenol	95-48-7	2000	ug/mL
4-Methylphenol	106-44-5	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Hazardous Substances Mix 1 **4-8907**
Lot: LB74368 EXP: APR/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 EPM

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Analytical Standard Record
U.S. EPA Region 3
1200118

std_Org_analytical.rpt

Description:	ERG TCL Haz Mix 2	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	02/28/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB82059
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	EBD	Mfgr Expiration:	02/28/2014

Analyte	CAS Number	Concentration	Units
2-Methylnaphthalene	91-57-6	2000	ug/mL
2-Nitroaniline	88-74-4	2000	ug/mL
3-Nitroaniline	99-09-2	2000	ug/mL
4-Chloroaniline	106-47-8	2000	ug/mL
4-Nitroaniline	100-01-6	2000	ug/mL
Dibenzofuran	132-64-9	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Hazardous Substances Mix 2 **4-8908**

Lot: LB82059 EXP: FEB/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 EBD

SUPELCO Analytical
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Analytical Standard Record
U.S. EPA Region 3
1200119

std_Org_analytical.rpt

Description:	ERG 3,3-Dichlorobenzidine	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	10/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB87676
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERS	Mfgr Expiration:	10/30/2014

Analyte	CAS Number	Concentration	Units
3,3'-Dichlorobenzidine	91-94-1	2000	ug/mL

NOTEBOOK INSERT LABEL

3,3-Dichlorobenzidine 4-8029
Lot: LB87676 EXP: OCT/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERS

SUPELCO
595 North Harrison Road • Bellefonte, PA
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Analytical Standard Record
U.S. EPA Region 3
1200120

std_Org_analytical.rpt

Description:	ERG TCL Phenols	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	03/30/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB83299
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERD	Mfgr Expiration:	03/30/2014

Analyte	CAS Number	Concentration	Units
2,4,6-Trichlorophenol	88-06-2	2000	ug/mL
2,4-Dichlorophenol	120-83-2	2000	ug/mL
2,4-Dimethylphenol	105-67-9	2000	ug/mL
2,4-Dinitrophenol	51-28-5	2000	ug/mL
2-Chlorophenol	95-57-8	2000	ug/mL
2-Nitrophenol	88-75-5	2000	ug/mL
4,6-Dinitro-2-methylphenol	534-52-1	2000	ug/mL
4-Chloro-3-methylphenol	59-50-7	2000	ug/mL
4-Nitrophenol	100-02-7	2000	ug/mL
Pentachlorophenol	87-86-5	2000	ug/mL
Phenol	108-95-2	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Phenols Mix 4-8904
Lot: LB83299 EXP: MAR/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERD

SUPELCO Analytical
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Analytical Standard Record
U.S. EPA Region 3
1200121

std_Org_analytical.rpt

Description:	ERG PAH Mix	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	08/30/2009
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB69185
Vials:	1	Received:	09/22/2011
Reagent Purity Checked	ERM	Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
Acenaphthene	83-32-9	2000	ug/mL
Acenaphthylene	208-96-8	2000	ug/mL
Anthracene	120-12-7	2000	ug/mL
Benzo(a)anthracene	56-55-3	2000	ug/mL
Benzo(a)pyrene	50-32-8	2000	ug/mL
Benzo(b)fluoranthene	205-99-2	2000	ug/mL
Benzo(ghi)perylene	191-24-2	2000	ug/mL
Benzo(k)fluoranthene	207-08-9	2000	ug/mL
Chrysene	218-01-9	2000	ug/mL
Dibenz(a,h)anthracene	53-70-3	2000	ug/mL
Fluoranthene	206-44-0	2000	ug/mL
Fluorene	86-73-7	2000	ug/mL
Indeno(1,2,3-cd)pyrene	193-39-5	2000	ug/mL
Naphthalene	91-20-3	2000	ug/mL
Phenanthrene	85-01-8	2000	ug/mL
Pyrene	129-00-0	2000	ug/mL

NOTEBOOK INSERT LABEL

TCL Polynuclear Aromatic Hydrocarbons Mix 48905-U
Lot: LB69185 EXP: AUG/2012 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 9/22/11 ERM

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Analytical Standard Record
U.S. EPA Region 3
1200122

std_Org_analytical.rpt

Description:	ERG CLP SOW OLM O4 Semi-volatiles Mix	Expires:	08/11/2012
Standard Type:	Analyte Spike	Prepared:	04/13/2011
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB84222
Vials:	1	Received:	01/11/2012
Reagent Purity Checked	ERG	Mfgr Expiration:	04/28/2013

Analyte	CAS Number	Concentration	Units
1,1-Biphenyl	92-52-4	2000	ug/mL
Acetophenone	98-86-2	2000	ug/mL
Atrazine	1912-24-9	2000	ug/mL
Benzaldehyde	100-52-7	2000	ug/mL
Caprolactam	105-60-2	2000	ug/mL

NOTEBOOK INSERT LABEL

CLP SOW OLM O4 Semi-volatiles Mix 47514-U
Lot: LB84222 EXP: APR/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/11/12 ERG

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA 16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200109

std_Org_analytical.rpt

Description:	ERG ISTD	Expires:	08/05/2012
Standard Type:	Internal Std	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A083976
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	10/30/2018

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
Acenaphthene-d10	NA	2000	ug/mL
Chrysene-d12	NA	2000	ug/mL
Naphthalene-d8	NA	2000	ug/mL
Perylene-d12	NA	2000	ug/mL
Phenanthrene-d10	NA	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31206
SV Internal Standard Mix 2mg/ml
Rec 2/6/12 ERS
2000 ug/mL each in Methylene Chloride
Lot# A083976 Exp. Date: 10/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100836

std_Org_analytical.rpt

Description:	ERG B/N Surrogate Mix	Expires:	06/24/2012
Standard Type:	Surrogate Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080907
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	04/30/2018

Analyte	CAS Number	Concentration	Units
2-Fluorobiphenyl	321-60-8	5000	ug/mL
Nitrobenzene-d5	NA	5000	ug/mL
Terphenyl-d14	NA	5000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31062
Sonicate prior to use.
B/N Surrogate Mix (4/89 SOW)
5000 ug/mL each in Methylene Chloride
Lot# A080907 Exp. Date: 04/2018 Store: 10°C or colder
Rec 9/20/11 ERD

Analytical Standard Record
U.S. EPA Region 3
1100808

std_Org_analytical.rpt

Description:	ERG Acid Surrogate Standard Mix	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080152
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	EPM	Mfgr Expiration:	03/30/2019

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	10000	ug/mL
2-Fluorophenol	367-12-4	10000	ug/mL
Phenol-d5	NA	10000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31063
Acid Surrogate Standard Mix (4/89)
10000 ug/mL each in Methanol
Rec 9/20/11 EPM
Lot# A080152 Exp. Date: 03/2019 Store: 10°C or colder

Prepared By: ERY
Prepared Date: 1/19/12
Expiration Date: 7/19/12
SNB364 Certificate of Analysis

Solvent/Barcode: $MeCl_2$/ 13895
Reagent Purity: ERY
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepare Solutio ID
Lot# A078605	150	37.5	10	DFTPP 0

Comments:

RESTEK 110 Benner Circle Bellefonte, PA 16823 Made in USA
Catalog # 31001 Rec 1/20/11 ERY
SV Tuning Compound Standard
2500 ug/mL each in Methylene Chloride
Lot# A078605 Exp. Date: 12/2013 Store: 10°C or colder

Response Factor Report CWA

Method Path : D:\DATA\SVOC\calibrations\
Method File : caliDIMOCK021212.M
Title : DIMOCK Calibration 021212
Last Update : Mon Feb 13 10:32:29 2012
Response Via : Initial Calibration

Calibration Files
5 =STD05_021012B.D 10 =STD10_021012B.D 20 =STD20_021012B.D 40 =STD40_021012B.D
60 =STD60_021012B.D 80 =STD80_021012B.D

		Compound	5	10	20	40	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD							
2)		2-methoxyethanol	0.048	0.054	0.054	0.053	0.053	0.051	0.052	4.23
3)	I	Naphthalene-d8	ISTD							
4)		1-Methylnaphth...	0.678	0.691	0.644	0.534	0.486	0.432	0.577	18.79
5)	I	Acenaphthene-d10	ISTD							
6)	I	Phenanthrene-d10	ISTD							
7)	I	Chrysene-d12	ISTD							
8)	I	Perylene-d12	ISTD							

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\021212\DFTPPG0112.D
Tune Time : 12 Feb 2012 3:31 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012B.D

	1386250	5560430	2819180
	4429210	3516950	2884680

File	Sample	Surrogate Recovery %	Internal Standard Responses	
SCV60_012612.D				
	SCV60_0126	1943344	8097128	4304236
		7162028	5425380	4647674
STD05_021012B.D				
	STD05_0210	1425267	5661425	2843682
		4186086	2656073	1957290
STD10_021012B.D				
	STD10_0210	1469999	5849753	2981428
		4618887	3378146	2437654
STD20_021012B.D				
	STD20_0210	1355627	5383525	2737265
		4402571	3217049	2380437
STD40_021012B.D				
	STD40_0210	1413814	5616320	2834587
		4338402	3168135	2499679
STD60_021012B.D				
	STD60_0210	1386248	5560433	2819183
		4429205	3516949	2884681
STD80_021012B.D				
	STD80_0210	1382916	5464454	2764571
		4364010	3388126	2629951

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 13 10:45:54 2012 CWA

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012B.D
Acq On : 12 Feb 2012 4:21 pm
Operator : ERG 96-5975B
Sample : STD05_021012B
Misc : Initial Calibration 021212
ALS Vial : 1 Sample Multiplier: 1

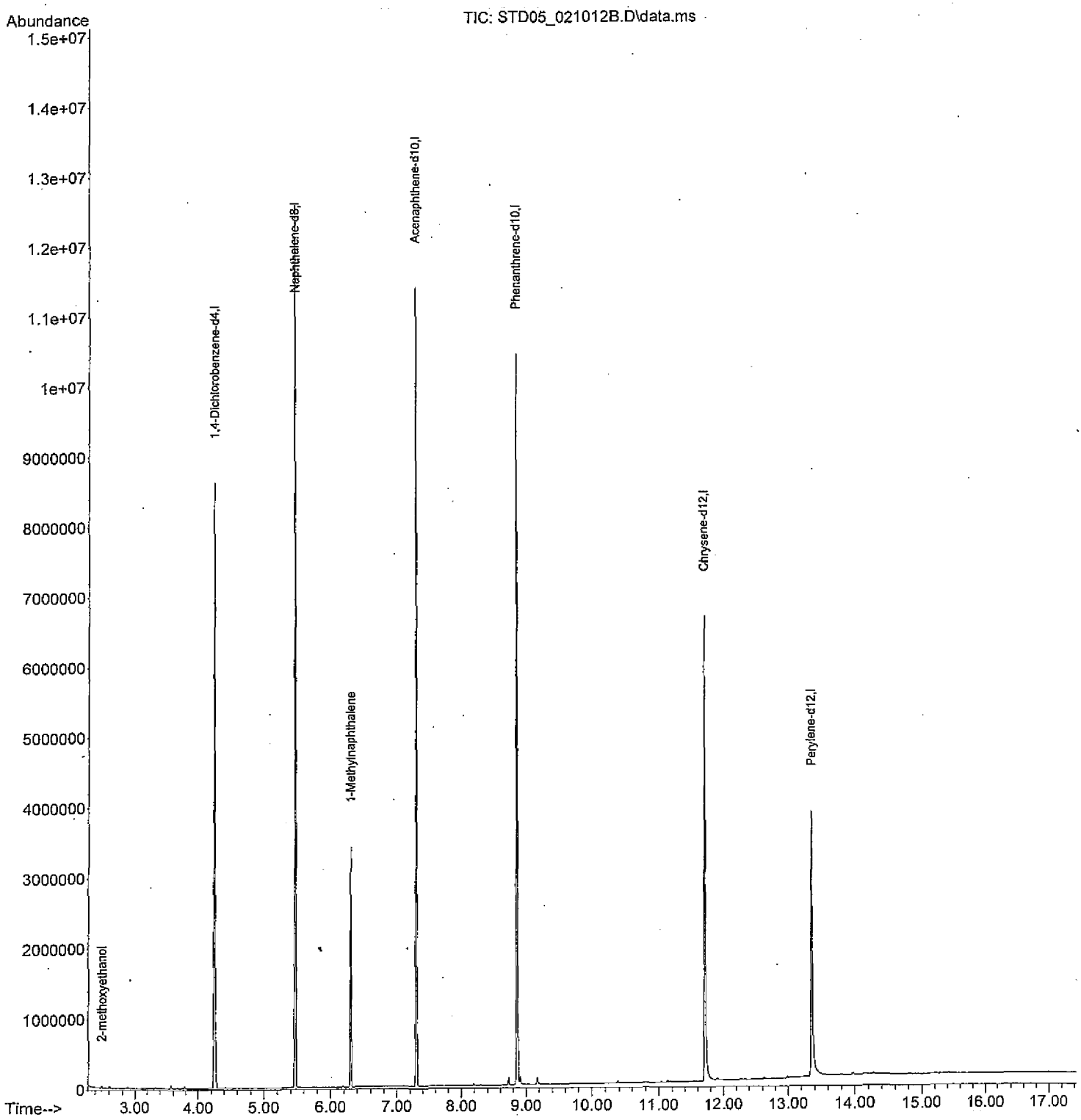
Quant Time: Feb 13 10:40:10 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1425267	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5661425	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2843682	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4186086	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2656073	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	1957290	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.495	45	16784	4.519	ug/mL#	81
4) 1-Methylnaphthalene	6.298	142	959633	5.871	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD05_021012B.D
Acq On : 12 Feb 2012 4:21 pm
Operator : ERG 96-5975B
Sample : STD05_021012B
Misc : Initial Calibration 021212
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 13 10:40:10 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012B.D
Acq On : 12 Feb 2012 5:12 pm
Operator : ERG 96-5975B
Sample : STD10_021012B
Misc : Initial Calibration 021212
ALS Vial : 2 Sample Multiplier: 1

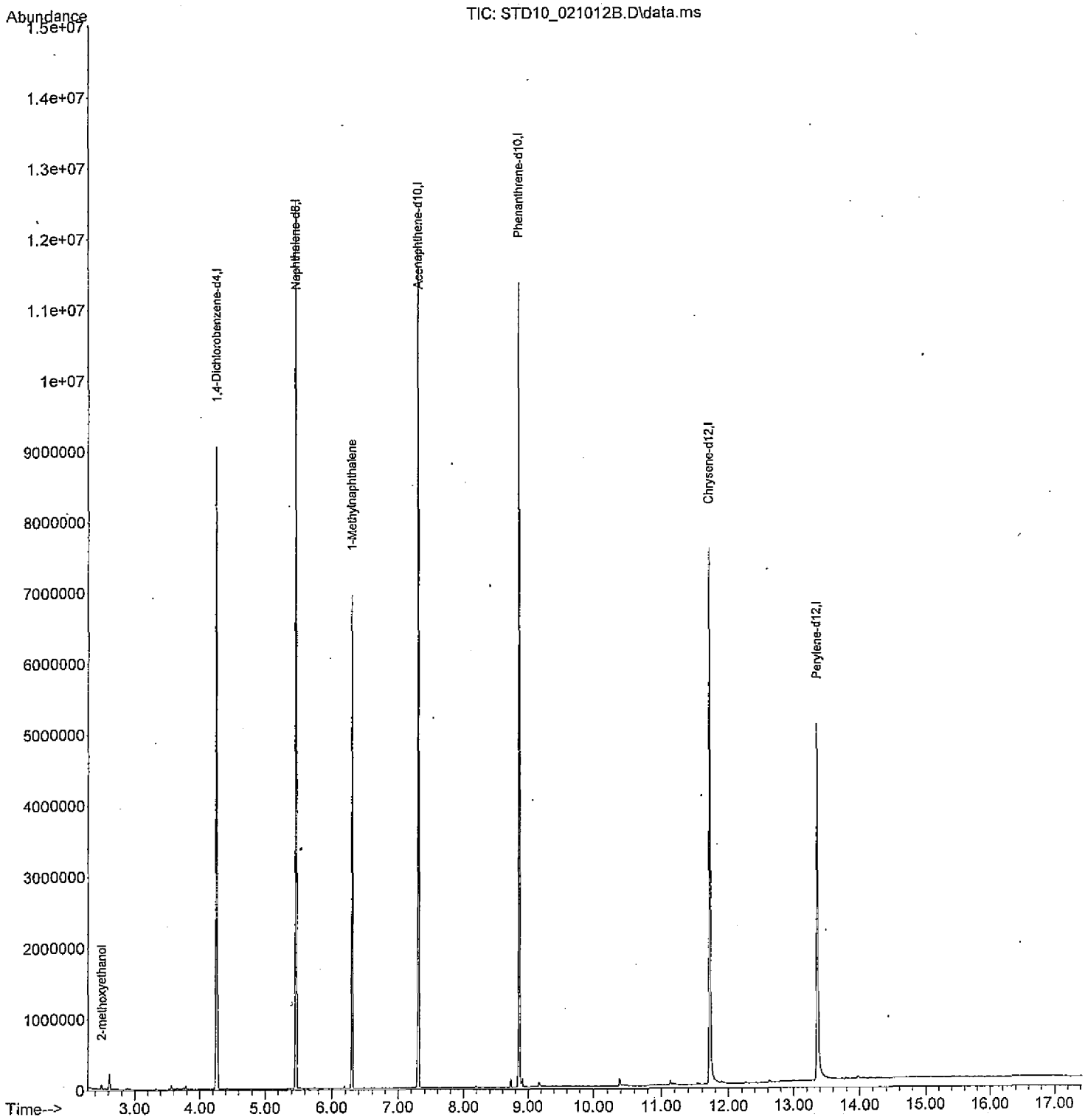
Quant Time: Feb 13 10:40:53 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1469999	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5849753	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2981428	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4618887	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3378146	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	2437654	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.495	45	38371	10.017	ug/mL#	76
4) 1-Methylnaphthalene	6.298	142	2020874	11.965	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD10_021012B.D
Acq On : 12 Feb 2012 5:12 pm
Operator : ERG 96-5975B
Sample : STD10_021012B
Misc : Initial Calibration 021212
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 10:40:53 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012B.D
Acq On : 12 Feb 2012 6:02 pm
Operator : ERG 96-5975B
Sample : STD20_021012B
Misc : Initial Calibration 021212
ALS Vial : 3 Sample Multiplier: 1

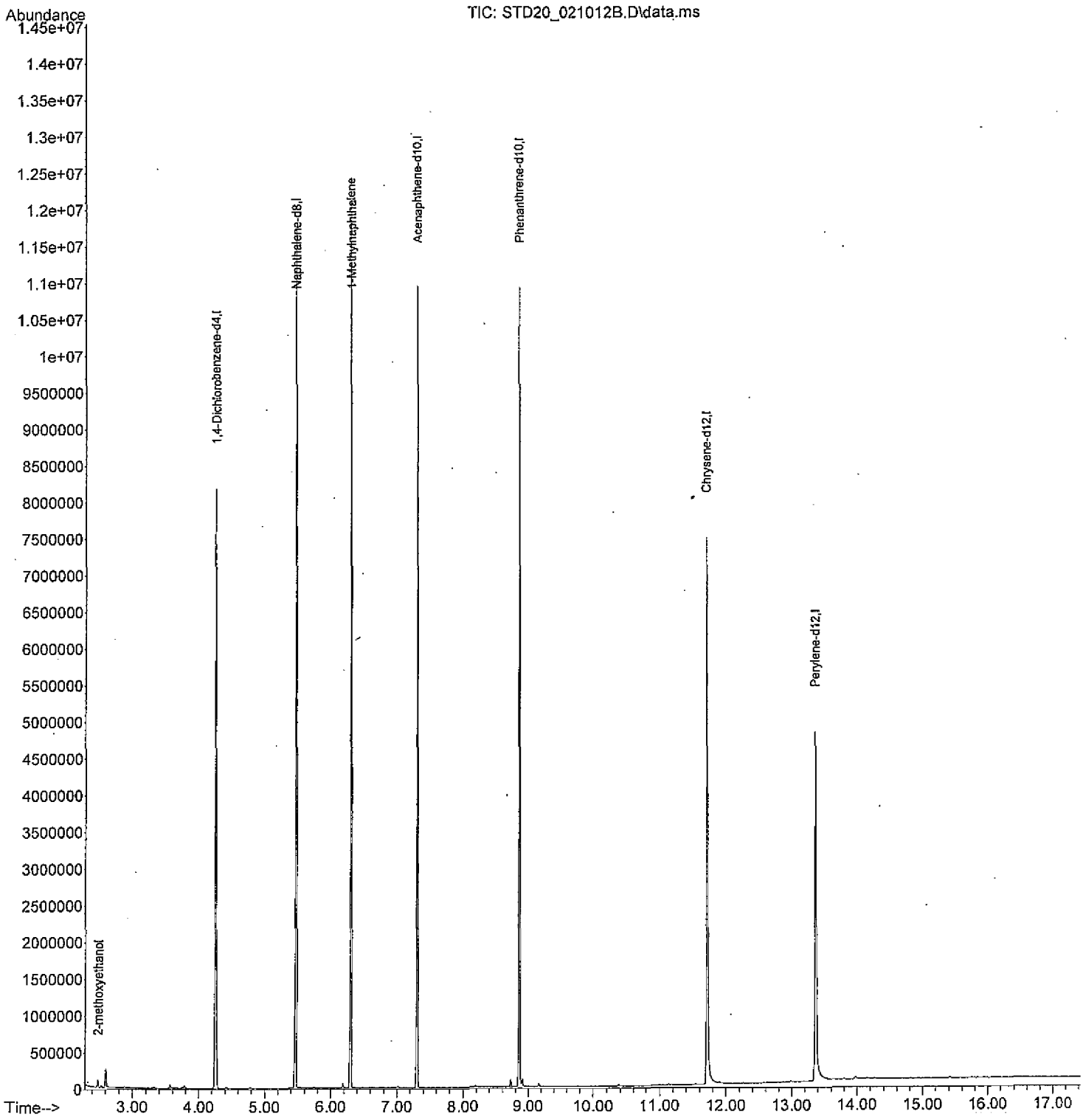
Quant Time: Feb 13 10:41:28 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1355627	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5383525	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2737265	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4402571	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3217049	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2380437	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	69030	19.540	ug/mL#	71
4) 1-Methylnaphthalene	6.304	142	3465345	22.295	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD20_021012B.D
Acq On : 12 Feb 2012 6:02 pm
Operator : ERG 96-5975B
Sample : STD20_021012B
Misc : Initial Calibration 021212
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 10:41:28 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012B.D
Acq On : 12 Feb 2012 6:52 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : Initial Calibration 021212
ALS Vial : 4 Sample Multiplier: 1

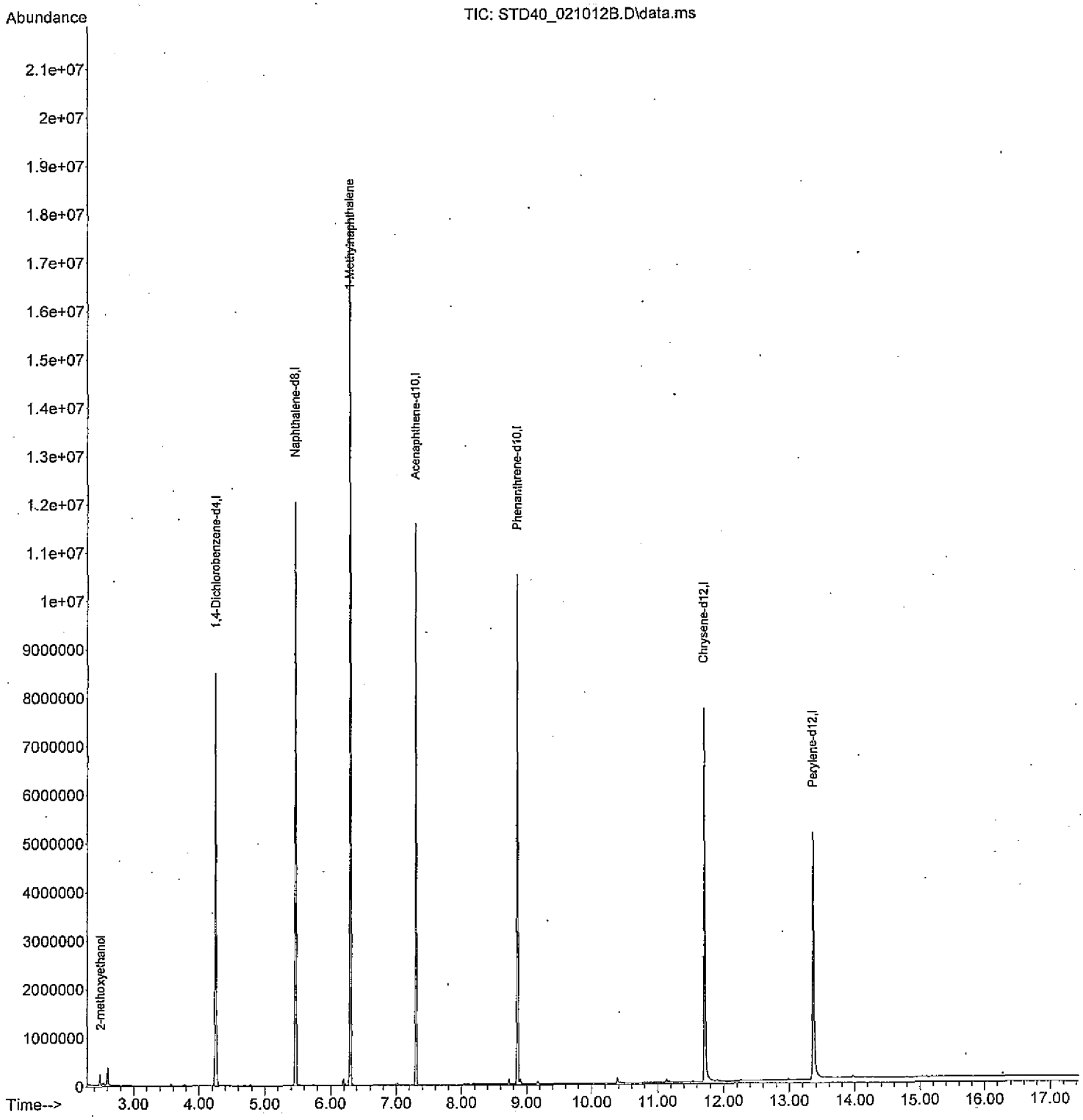
Quant Time: Feb 13 10:41:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1413814	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5616320	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2834587	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4338402	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3168135	20.000	ug/mL	0.00
8) Perylene-d12	13.358	264	2499679	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	145091	39.381	ug/mL#	71
4) 1-Methylnaphthalene	6.304	142	6001380	37.010	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD40_021012B.D
Acq On : 12 Feb 2012 6:52 pm
Operator : ERG 96-5975B
Sample : STD40_021012B
Misc : Initial Calibration 021212
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 13 10:41:57 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012B.D
Acq On : 12 Feb 2012 7:43 pm
Operator : ERG 96-5975B
Sample : STD60_021012B
Misc : Initial Calibration 021212
ALS Vial : 5 Sample Multiplier: 1

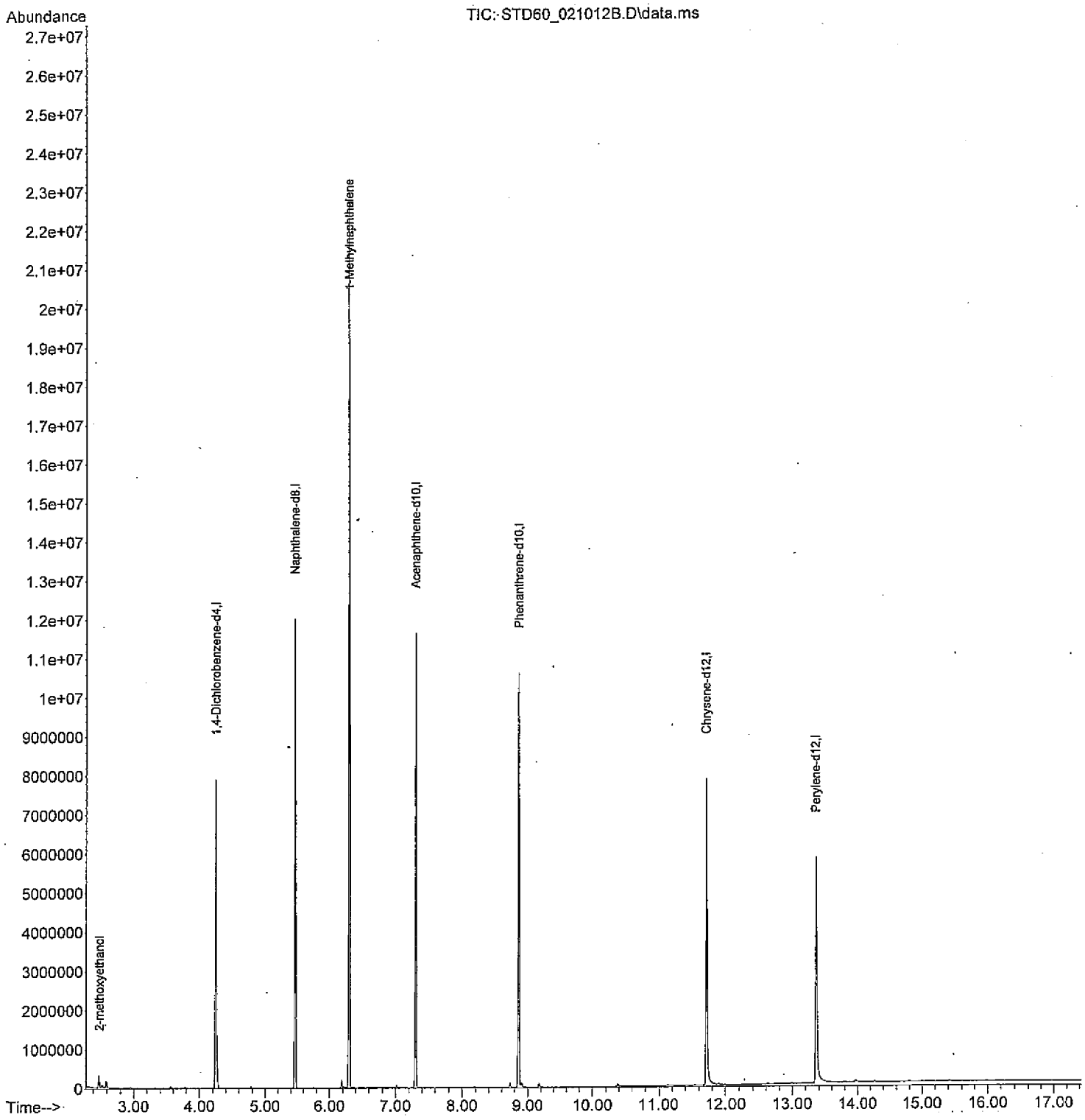
Quant Time: Feb 13 10:42:26 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1386248	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5560433	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2819183	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4429205	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3516949	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2884681	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	214674	59.426	ug/mL#	69
4) 1-Methylnaphthalene	6.309	142	8110820	50.522	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD60_021012B.D
Acq On : 12 Feb 2012 7:43 pm
Operator : ERG 96-5975B
Sample : STD60_021012B
Misc : Initial Calibration 021212
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 10:42:26 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012B.D
Acq On : 12 Feb 2012 8:33 pm
Operator : ERG 96-5975B
Sample : STD80_021012B
Misc : Initial Calibration 021212
ALS Vial : 6 Sample Multiplier: 1

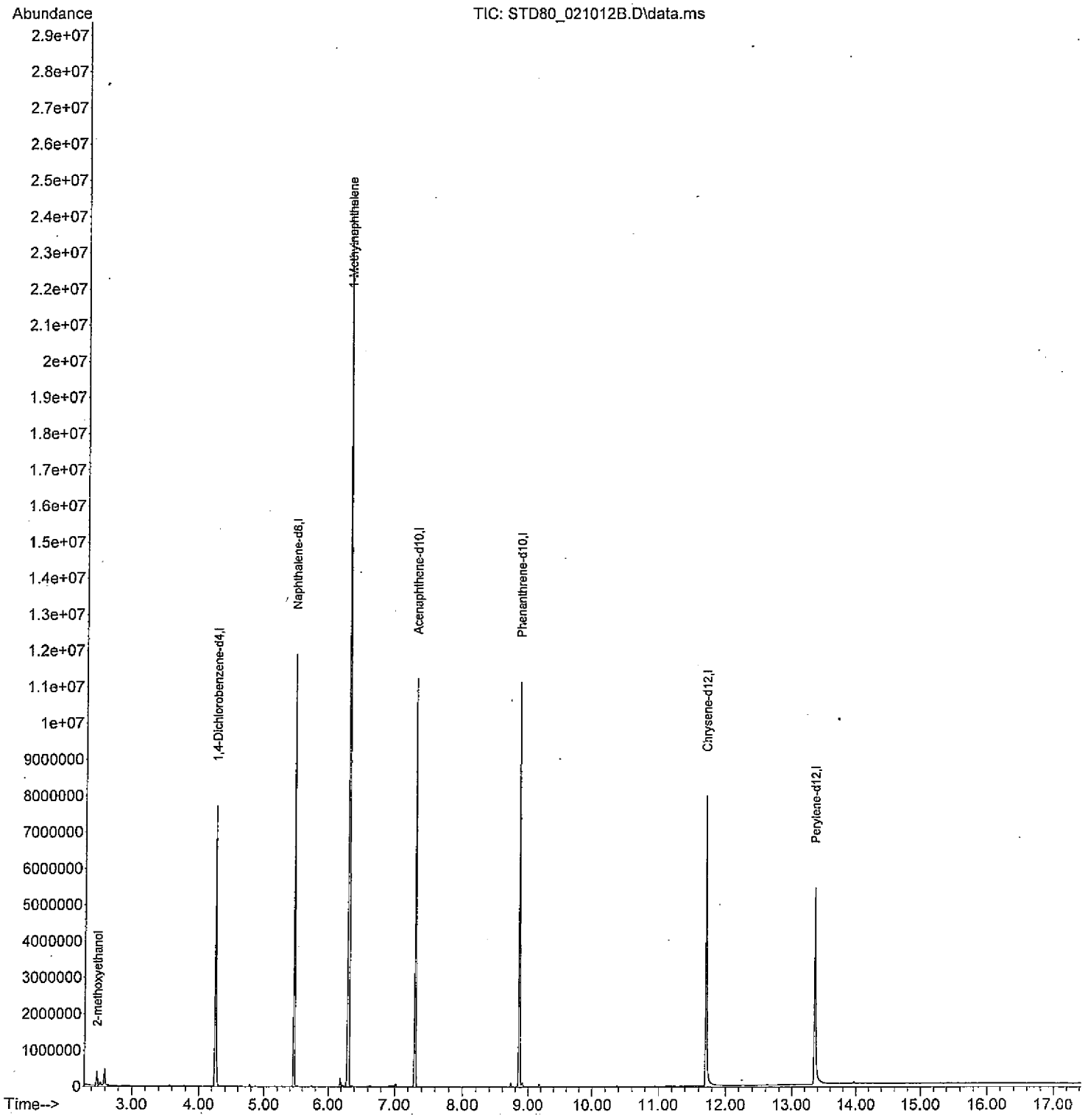
Quant Time: Feb 13 10:42:54 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	1382916	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	5464454	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.304	164	2764571	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	4364010	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	3388126	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2629951	20.000	ug/mL	0.00
Target Compounds						Qvalue
2) 2-methoxyethanol	2.479	45	272591	75.640	ug/mL#	72
4) 1-Methylnaphthalene	6.309	142	9432000	59.783	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : STD80_021012B.D
Acq On : 12 Feb 2012 8:33 pm
Operator : ERG 96-5975B
Sample : STD80_021012B
Misc : Initial Calibration 021212
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 10:42:54 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_012612.D
Acq On : 12 Feb 2012 9:23 pm
Operator : ERG 96-5975B
Sample : ~~SCV60_012612~~ IMWSCV_012612
Misc : Initial Calibration 021212
ALS Vial : 7 Sample Multiplier: 1

SCV@25

EDD 02/13/12

Quant Time: Feb 13 10:43:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration

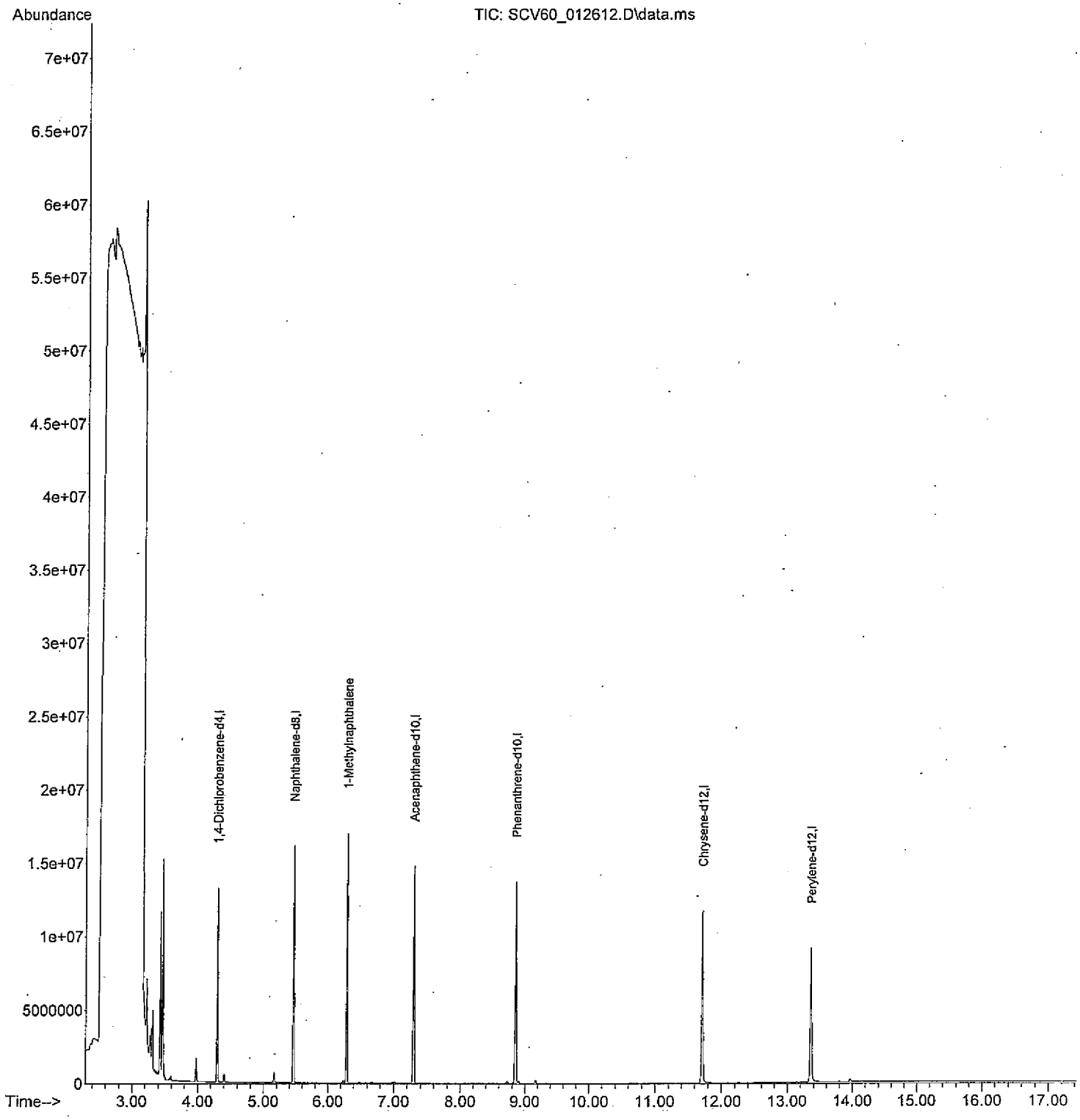
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.298	152	1943344	20.000 ug/mL	0.05
3) Naphthalene-d8	5.464	136	8097128	20.000 ug/mL	0.00
5) Acenaphthene-d10	7.293	164	4304236	20.000 ug/mL	-0.01
6) Phenanthrene-d10	8.855	188	7162028	20.000 ug/mL	0.00
7) Chrysene-d12	11.717	240	5425380	20.000 ug/mL	0.00
8) Perylene-d12	13.364	264	4647674	20.000 ug/mL	0.00
Target Compounds					Qvalue
4) 1-Methylnaphthalene	6.293	142	5253910	22.474 ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

$\frac{22.474}{25} = 90\%$

Data Path : D:\DATA\SVOC\2012\Feb\021212\
Data File : SCV60_012612.D
Acq On : 12 Feb 2012 9:23 pm
Operator : ERG 96-5975B
Sample : SCV60_012612
Misc : Initial Calibration 021212
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 13 10:43:27 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK021212.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Mon Feb 13 10:32:29 2012
Response via : Initial Calibration



Prepared By: ERD/Gerstel
Prepared Date: 2/10/12
Expiration Date: 8/10/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeCl2/13895
Reagent Purity: ERD
Storage Location (4 +/- 2 C):

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)			Conc. of prepared solution (µg/mL)			Final volume of prepared solution (mL)	Prepared Solution ID
	1200113	1200053	1200109	1200113	1200053	1200109		
1200113, 1200053, 1200109	40	40	10	77	80	20	1.0	STD80_021012B
	30	30	10	58	60	20	1.0	STD60_021012B
	20	20	10	39	40	20	1.0	STD40_021012B
	10	10	10	19	20	20	1.0	STD20_021012B
	5	5	10	9.7	10	20	1.0	STD10_021012B
	2.5	2.5	10	4.9	5	20	1.0	STD5_021012B

Comments: 1200113 - 2Methoxyethanol
1200053 - 1-methylnaphthalene
1200109 - ISTD

GERSTEL PrepSequence Sequence

C:\Maestro\1\PrepSequence\201with 2 stdsb.prp

PrepSequence Information

No sequence information

Sampler Information

Left MPS Syringe : 10ul
Right MPS Syringe: 250ulALX

PrepSequence Action List

ACTION	METHOD / VALUE	SOURCE	DESTINATION
PREP Vials 1-1	NoPrepAhead		
(R) ADD	201 Fill 910	SolvRes1	2 @ Tray1,VT98
(R) ADD	201 Fill 930	SolvRes1	3 @ Tray1,VT98
(R) ADD	201 Fill 950	SolvRes1	4 @ Tray1,VT98
(R) ADD	201 Fill 970	SolvRes1	5 @ Tray1,VT98
(R) ADD	201 Fill 980	SolvRes1	6 @ Tray1,VT98
(R) ADD	201 Fill 985	SolvRes1	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2b	14 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3b	14 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4b	14 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5b	14 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6b	14 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7b	14 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	201-Fill-Std2b	13 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	201-Fill-Std3b	13 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	201-Fill-Std4b	13 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	201-Fill-Std5b	13 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	201-Fill-Std6b	13 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	201-Fill-Std7b	13 @ Tray1,VT98	7 @ Tray1,VT98
(L) ADD	ISTD	11 @ Tray1,VT98	2 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	3 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	4 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	5 @ Tray1,VT98
(L) ADD	ISTD b	11 @ Tray1,VT98	6 @ Tray1,VT98
(L) ADD	ISTD c	11 @ Tray1,VT98	7 @ Tray1,VT98
END			

Analytical Standard Record
U.S. EPA Region 3
1200053

std_Org_analytical.rpt

Description:	ERG 1-methylnaphthalene	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/24/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB79536
Vials:	1	Received:	01/18/2012
Reagent Purity Checked		Mfgr Expiration:	10/28/2013

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	2000	ug/mL

NOTEBOOK INSERT LABEL

1-Methylnaphthalene 4-8162
Lot: LB79536 EXP: OCT/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/18/12

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200113

std_Org_analytical.rpt

Description:	ERG 2-ME_020812 (SS)	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Ultra
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1932	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200112	2-methoxyethanol	01/19/2012	08/06/2012	** Vendor **	Ultra	WRK 190R	966000	0.02

Prepared By: ERD
Prepared Date: 1/26/12
Expiration Date: 7/2012
SNB364 Certificate of Analysis

Solvent/Barcode: MeCl2/13895
Reagent Purity: ERD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
H-001S	500	25	1.0	1MNSCV-012612

Comments: _____

Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Quality Control Data

BSL
~~Sugt~~
NO
2,4-dinitrophenol ✓
4,6-dinitro-~~2-methyl~~phenol ✓
~~3,3'-Dichlorobenzidine~~ ✓
~~2,-methoxy~~ethanol ✓
2 ISTD outs ??

Low recovery
~~4-Nitrophenol~~ within criteria
pentachlorophenol ✓

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\022112\DFTPPO0112.D
Tune Time : 21 Feb 2012 2:02 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012.D

						1383290	5416330	2769460
						4831900	3659970	2970560

File	Sample	Surrogate Recovery %				Internal Standard Responses		
1202004-30.D								
	1202004-30	66	62	70	70	934808	3678420	1994368
		67	75			3308032	2817046	2094711
1202004-31.D								
	1202004-31	66	73	73	76	783843	3142130	1744524
		77	82			2966533	2463495	1945340
1202004-32.D								
	1202004-32	61	69	68	71	678252*	2734694	1529913
		70	81			2588254	2062095	1528663
BB21501-BLK1.D								
	BB21501-BL	59	68	71	70	990410	3897348	2107613
		59	83			3433137	2618047	1807633
BB21501-BS1.D								
	BB21501-BS	71	78	77	76	902547	3632479	1967236
		71	79			3304997	2789984	2129652
BB21501-BS2.D								
	BB21501-BS	68	72	76	75	911312	3590939	1996382
		78	82			3583212	2706515	2257616
STD60_021012.D								
	STD60_0210	91	89	102	102	842683	3328308	1743407
		88	105			3121118	2201484	1581115

(fails) - fails 12hr time check * - fails criteria

Created: Wed Feb 22 10:06:18 2012 CWA

GC/MS QA-QC Check Report

Tune File : D:\DATA\SVOC\2012\Feb\022112\DFTPPO0112.D
Tune Time : 21 Feb 2012 2:02 pm

Daily Calibration File : D:\DATA\SVOC\2012\Feb\021212\STD60_021012B.D

	1386250	5560430	2819180
	4429210	3516950	2884680

File	Sample	Surrogate Recovery %		Internal Standard Responses
1202004-30.D				
	1202004-30	934808	3678420	1994368
		3308032	2817046	2094711
1202004-31.D				
	1202004-31	783843	3142130	1744524
		2966533	2463495	1945340
1202004-32.D				
	1202004-32	678252*	2734694*	1529913
		2588254	2062095	1528663
BB21501-BLK1.D				
	BB21501-BL	990410	3897348	2107613
		3433137	2618047	1807633
BB21501-BS1.D				
	BB21501-BS	902547	3632479	1967236
		3304997	2789984	2129652
BB21501-BS2.D				
	BB21501-BS	911312	3590939	1996382
		3583212	2706515	2257616
STD40_021012B.D				
	STD40_0210	840457	3300721	1776650
		2829254	2182316	1574495

(fails) - fails 12hr time check * - fails criteria

Created: Wed Feb 22 10:05:25 2012 CWA

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 09:26:27 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

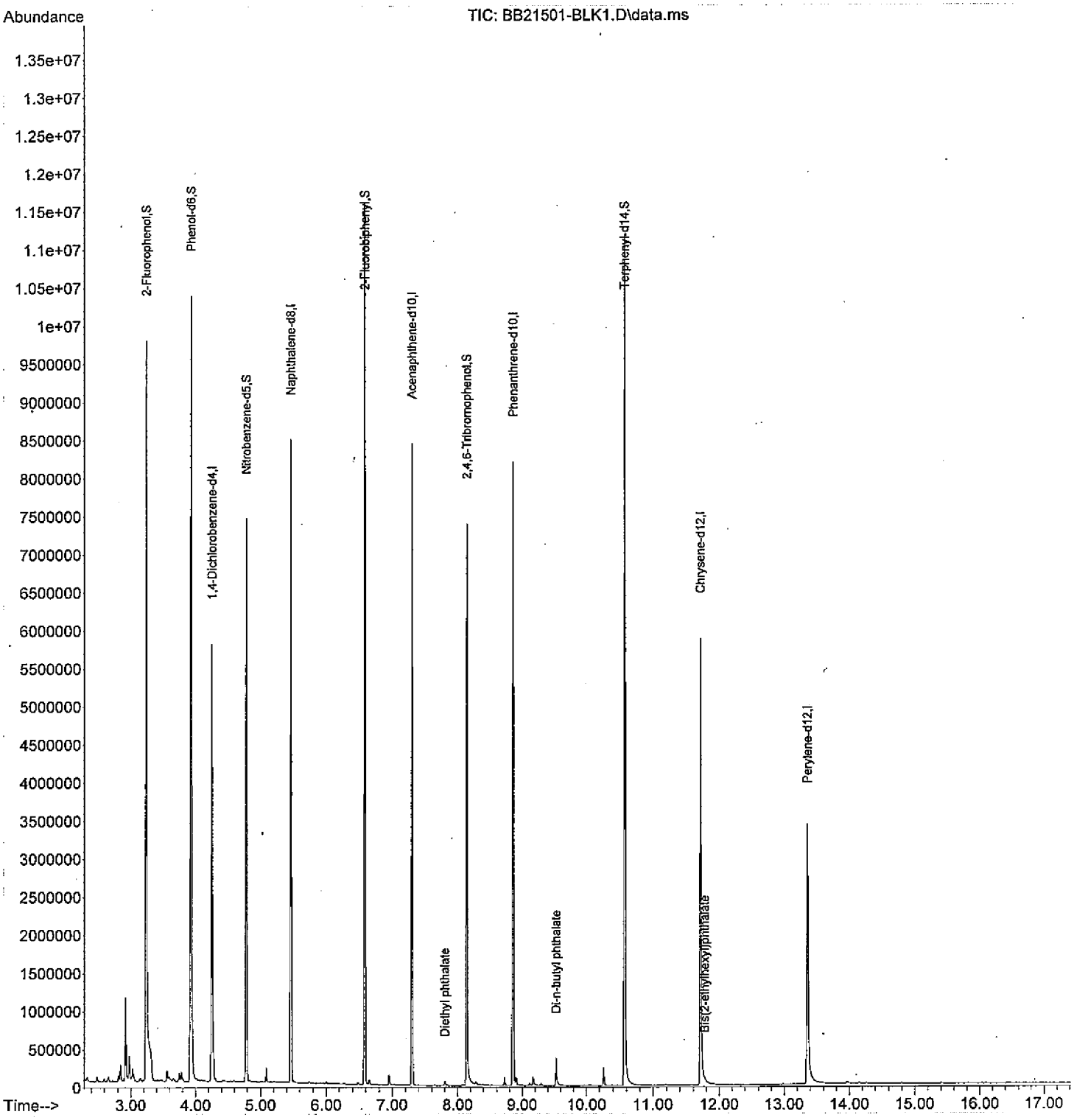
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	990410	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3897348	20.000	ug/mL	-0.01
29) Acenaphthene-d10	7.299	164	2107613	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.860	188	3433137	20.000	ug/mL	-0.01
65) Chrysene-d12	11.711	240	2618047	20.000	ug/mL	-0.02
73) Perylene-d12	13.359	264	1807633	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3503231	58.752	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 58.75%			
5) Phenol-d6	3.934	99	4510431	68.008	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 68.01%			
16) Nitrobenzene-d5	4.785	82	2341800	35.498	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 71.00%			
34) 2-Fluorobiphenyl	6.593	172	4188201	35.123	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 70.24%			
55) 2,4,6-Tribromophenol	8.144	330	750953	58.872	ug/mL	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 58.87%			
67) Terphenyl-d14	10.572	244	4168306	41.634	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 83.26%			
Target Compounds						Qvalue
49) Diethyl phthalate	7.801	149	7497	0.057	ug/mL	99
63) Di-n-butyl phthalate	9.529	149	223899	1.149	ug/mL	99
72) Bis(2-ethylhexyl)phtha...	11.775	149	5987	0.061	ug/mL#	95

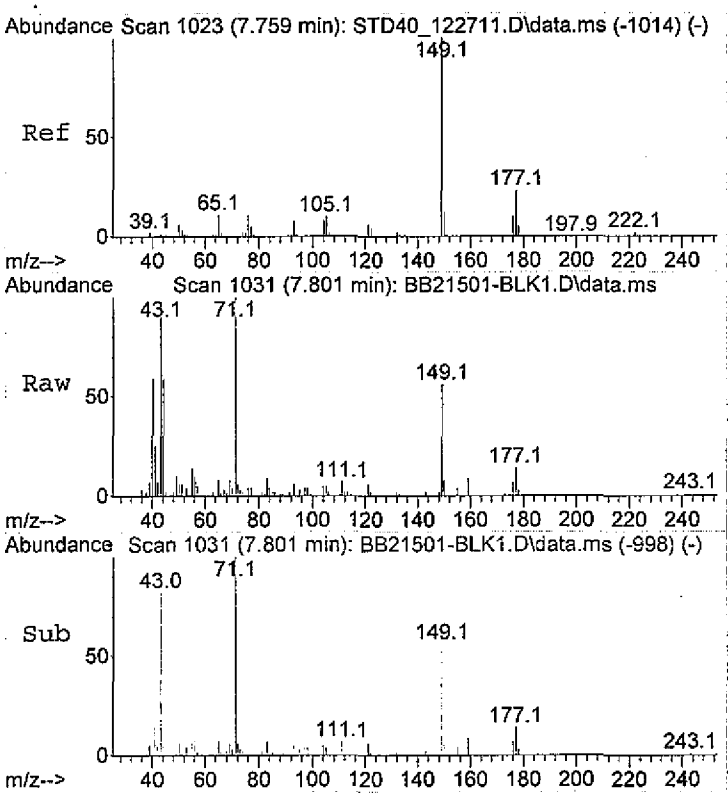
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 09:26:27 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

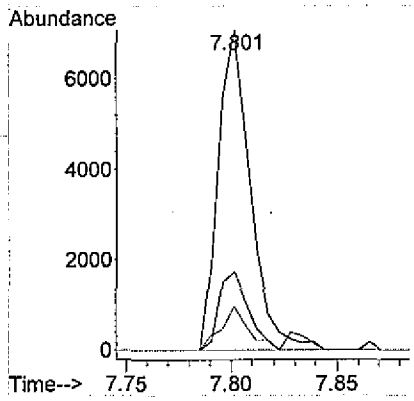


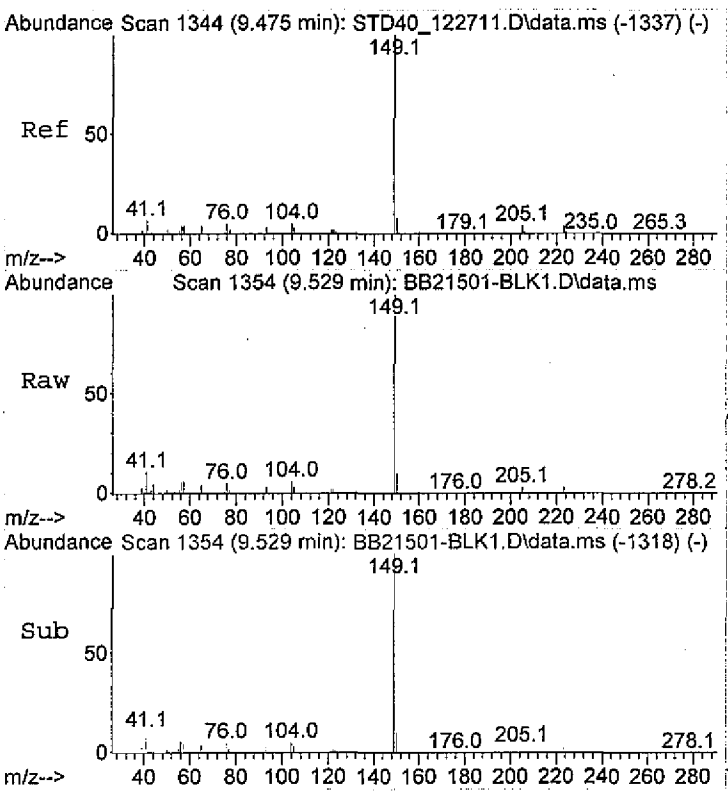


#49
Diethyl phthalate
Concen: 0.057 ug/mL
RT: 7.801 min Scan# 1031
Delta R.T. -0.021 min
Lab File: BB21501-BLK1.D
Acq: 21 Feb 2012 4:09 pm

Tgt Ion:149 Resp: 7497

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.7	28.1
150	11.9	9.5	14.3

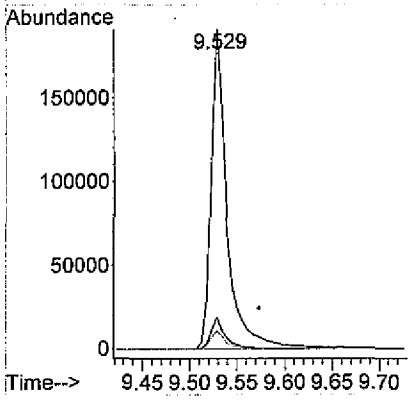


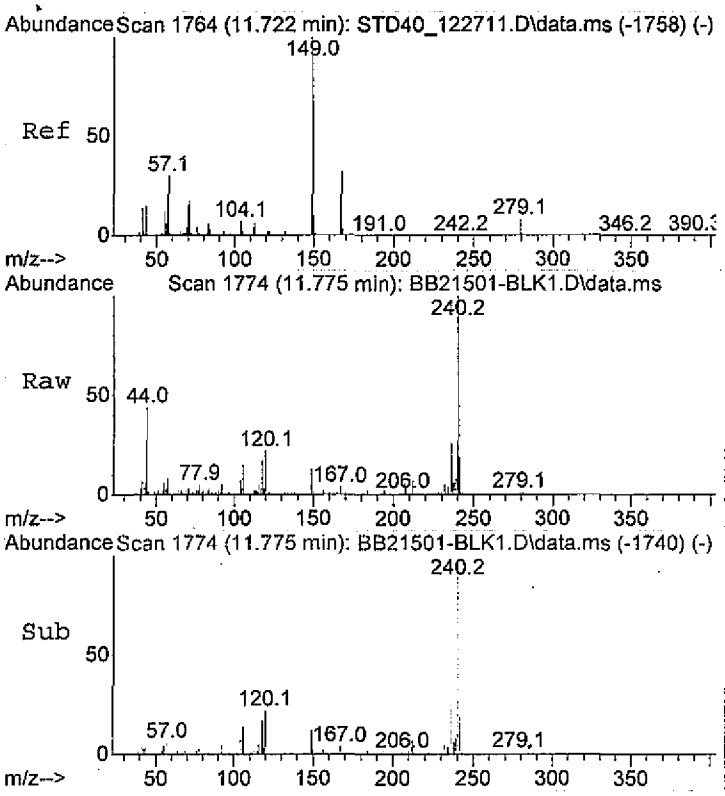


#63
Di-n-butyl phthalate
Concen: 1.149 ug/mL
RT: 9.529 min Scan# 1354
Delta R.T. -0.005 min
Lab File: BB21501-BLK1.D
Acq: 21 Feb 2012 4:09 pm

Tgt Ion:149 Resp: 223899

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.8	4.2	6.4

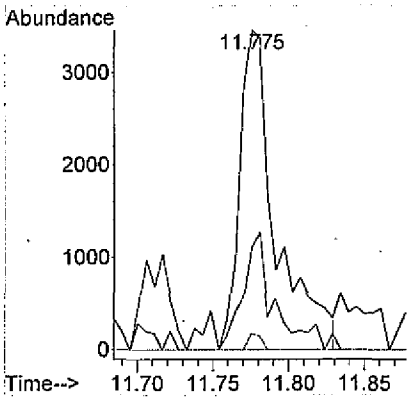




#72
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ug/mL
RT: 11.775 min Scan# 1774
Delta R.T. -0.016 min
Lab File: BB21501-BLK1.D
Acq: 21 Feb 2012 4:09 pm

Tgt Ion:149 Resp: 5987

Ion	Ratio	Lower	Upper
149	100		
167	30.6	25.8	38.6
279	1.7	5.3	7.9#



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 10:01:22 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

used for 2-methoxyethanol + 1-methylnaphthalene
EBJ 2/28/12

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	990410	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3897348	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.299	164	2107613	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	3433137	20.000	ug/mL	0.00
7) Chrysene-d12	11.711	240	2618047	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	1807633	20.000	ug/mL	0.00

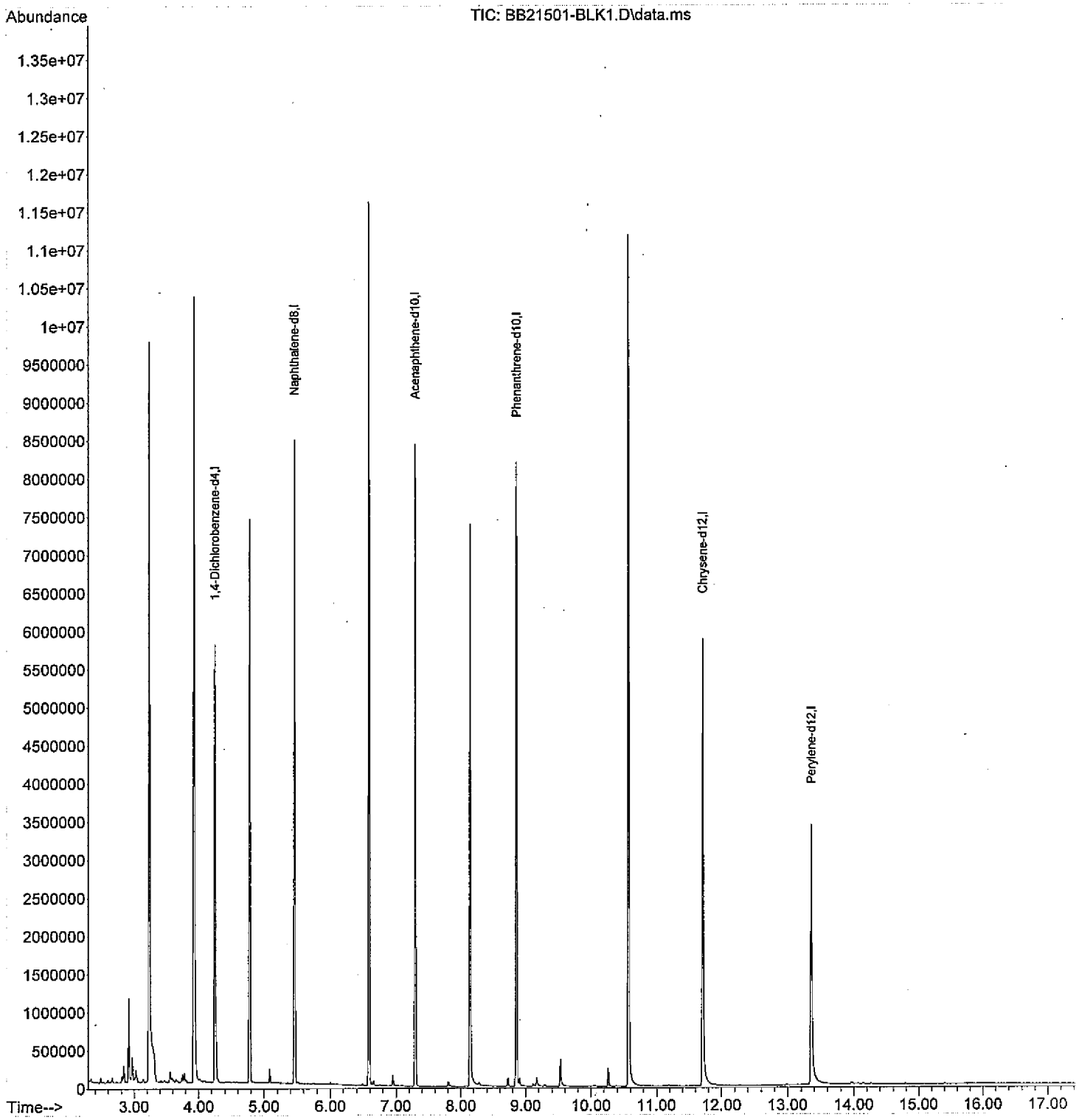
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BLK1.D
Acq On : 21 Feb 2012 4:09 pm
Operator : ERG 96-5975B
Sample : BB21501-BLK1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 10:01:22 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:32:40 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	902547	20.000	ug/mL	0.00
15) Naphthalene-d8	5.464	136	3632479	20.000	ug/mL	#-0.01
29) Acenaphthene-d10	7.299	164	1967236	20.000	ug/mL	-0.01
52) Phenanthrene-d10	8.860	188	3304997	20.000	ug/mL	-0.01
65) Chrysene-d12	11.717	240	2789984	20.000	ug/mL	-0.01
73) Perylene-d12	13.359	264	2129652	20.000	ug/mL	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3875083	71.315	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery =	71.31%		
5) Phenol-d6	3.934	99	4715098	78.015	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery =	78.01%		
16) Nitrobenzene-d5	4.785	82	2362326	38.420	ug/mL	-0.01
Spiked Amount 50.000	Range 35 - 114		Recovery =	76.84%		
34) 2-Fluorobiphenyl	6.593	172	4248481	38.170	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery =	76.34%		
55) 2,4,6-Tribromophenol	8.149	330	874792	71.240	ug/mL	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery =	71.24%		
67) Terphenyl-d14	10.572	244	4203178	39.395	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	78.80%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.490	74	153183	3.588	ug/mL#	77
4) Benzaldehyde	3.897	77	232705	4.669	ug/mL	96
6) Phenol	3.945	94	279959	4.098	ug/mL#	11
7) Bis(2-chloroethyl)ether	4.036	93	287215	4.319	ug/mL	99
8) 2-Chlorophenol	4.089	128	256878	3.957	ug/mL	95
9) 2-Methylphenol	4.469	108	239546	4.081	ug/mL	98
10) Bis(2-chloroisopropyl)...	4.517	45	600084	4.484	ug/mL#	90
11) Acetophenone	4.630	105	373333	4.556	ug/mL#	92
12) 4-Methylphenol	4.603	108	246094	4.012	ug/mL	98
13) Hexachloroethane	4.715	117	97313	3.719	ug/mL	91
14) N-Nitroso-di-n-propyla...	4.651	70	189851	4.193	ug/mL#	84
17) Nitrobenzene	4.801	77	295788	4.500	ug/mL	95
18) Isophorone	5.015	82	520316	4.252	ug/mL	95
19) 2-Nitrophenol	5.106	139	117415	3.592	ug/mL#	85
20) 2,4-Dimethylphenol	5.116	107	233197	3.863	ug/mL	89
21) Bis(2-chloroethoxy)met...	5.223	93	345438	4.509	ug/mL	99
22) 2-4-Dichlorophenol	5.320	162	184608	3.752	ug/mL	96
23) Naphthalene	5.480	128	794009	4.688	ug/mL	99
24) 4-Chloroaniline	5.550	127	182126	2.433	ug/mL	97
25) Hexachlorobutadiene	5.662	225	89528	3.449	ug/mL	98
26) Caprolactam	5.854	113	51349m	2.634	ug/mL	
27) 4-Chloro-3-methylphenol	6.031	107	205642	3.972	ug/mL	93
28) 2-Methylnaphthalene	6.186	142	535723	4.494	ug/mL	98
30) Hexachlorocyclopentadiene	6.421	237	51724	2.279	ug/mL	97
31) 1,2,4,5-tetrachloroben...	6.400	216	189480	3.870	ug/mL#	97
32) 2,4,6-Trichlorophenol	6.502	196	113624	3.482	ug/mL	93
33) 2,4,5-Trichlorophenol	6.539	196	116722	3.471	ug/mL	91
35) 2-Chloronaphthalene	6.694	162	504626	4.760	ug/mL	97
36) 1,1-Biphenyl	6.678	154	665070	4.897	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:32:40 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

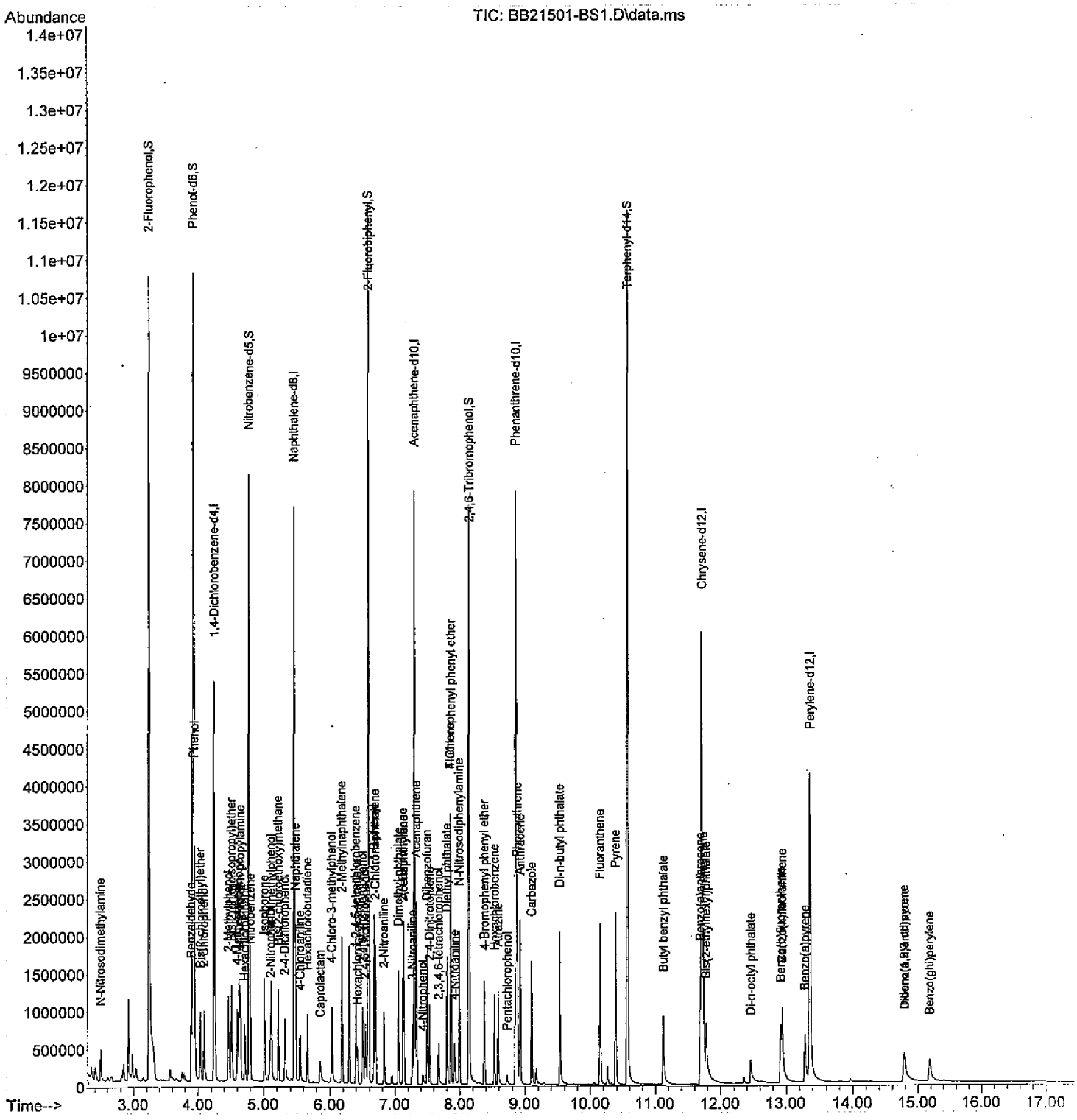
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
37) 2-Nitroaniline	6.828	65	153512	3.891 ug/mL	87	
38) Acenaphthylene	7.138	152	829551	5.036 ug/mL	99	
39) Dimethyl phthalate	7.053	163	573822	4.415 ug/mL	99	
40) 2,6-Dinitrotoluene	7.127	165	128965	5.171 ug/mL	93	
41) 3-Nitroaniline	7.266	138	122898	3.539 ug/mL	85	
42) Acenaphthene	7.331	153	555393	4.847 ug/mL	98	
44) Dibenzofuran	7.497	168	703387	4.670 ug/mL	97	
45) 4-Nitrophenol	7.427	109	17189	1.217 ug/mL	94	24%
46) 2,4-Dinitrotoluene	7.534	165	162359	4.020 ug/mL	97	
47) 2,3,4,6-tetrachlorophenol	7.673	232	63613	2.567 ug/mL#	91	
48) Fluorene	7.860	166	589561	5.472 ug/mL	99	
49) Diethyl phthalate	7.801	149	563146	4.615 ug/mL	99	
50) 4-Chlorophenyl phenyl ...	7.860	204	259051	5.184 ug/mL	90	
51) 4-Nitroaniline	7.919	138	102173	3.487 ug/mL	99	
54) N-Nitrosodiphenylamine	7.994	169	458376	4.477 ug/mL	99	
56) 4-Bromophenyl phenyl e...	8.379	248	128951	4.309 ug/mL	95	
57) Hexachlorobenzene	8.534	284	131313	4.080 ug/mL#	89	
58) Atrazine	8.588	200	116227	3.364 ug/mL	97	
59) Pentachlorophenol	8.727	266	7033m	0.356 ug/mL		7%
60) Phenanthrene	8.882	178	871170	5.065 ug/mL	99	
61) Anthracene	8.925	178	887687	5.085 ug/mL	99	
62) Carbazole	9.101	167	746685	4.666 ug/mL	99	
63) Di-n-butyl phthalate	9.529	149	1074603	5.731 ug/mL	99	
64) Fluoranthene	10.149	202	905570	5.027 ug/mL	99	
66) Pyrene	10.390	202	952985	4.859 ug/mL	100	
68) Butyl benzyl phthalate	11.123	149	295738	3.648 ug/mL	97	
69) Benzo(a)anthracene	11.690	228	615203	4.048 ug/mL	99	
71) Chrysene	11.738	228	685984	4.663 ug/mL	98	
72) Bis(2-ethylhexyl)phtha...	11.781	149	323096	3.084 ug/mL#	98	
74) Di-n-octyl phthalate	12.465	149	345518	2.319 ug/mL	100	
75) Benzo(b)fluoranthene	12.915	252	360359m	2.794 ug/mL		
76) Benzo(k)fluoranthene	12.936	252	539644	4.453 ug/mL	99	
77) Benzo(a)pyrene	13.284	252	342879	2.949 ug/mL	99	
78) Indeno(1,2,3-cd)pyrene	14.787	276	291426	3.044 ug/mL#	84	
79) Dibenz(a,h)anthracene	14.797	278	204327	2.641 ug/mL#	93	
80) Benzo(ghi)perylene	15.182	276	255858	3.213 ug/mL	94	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:32:40 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

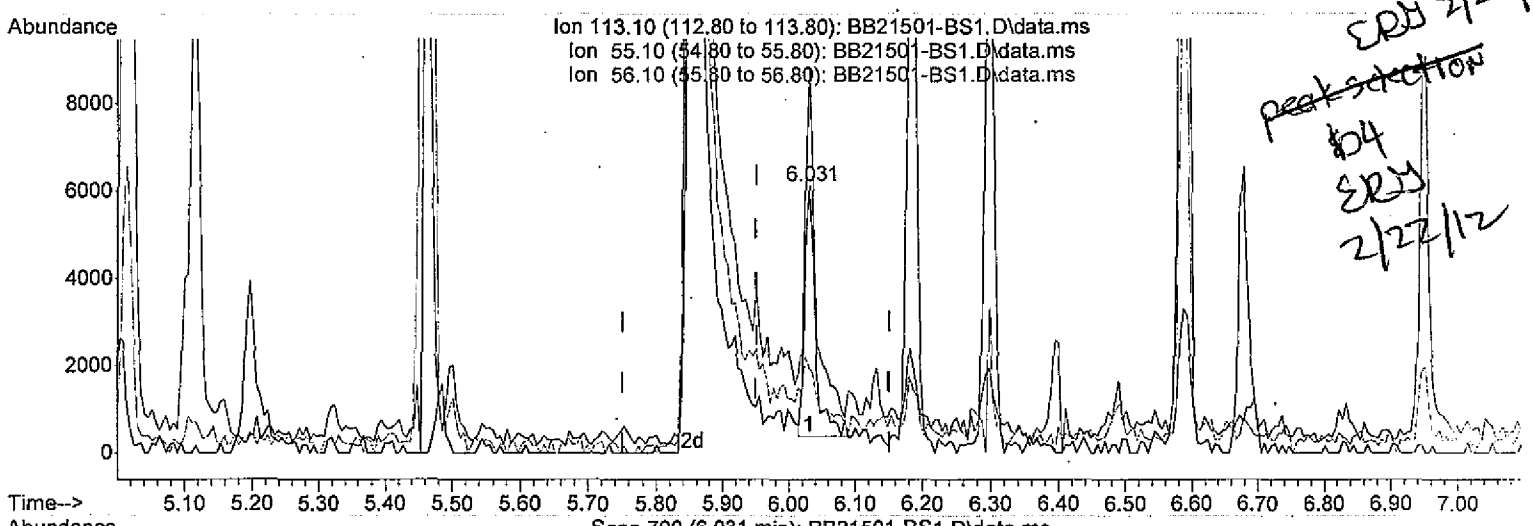


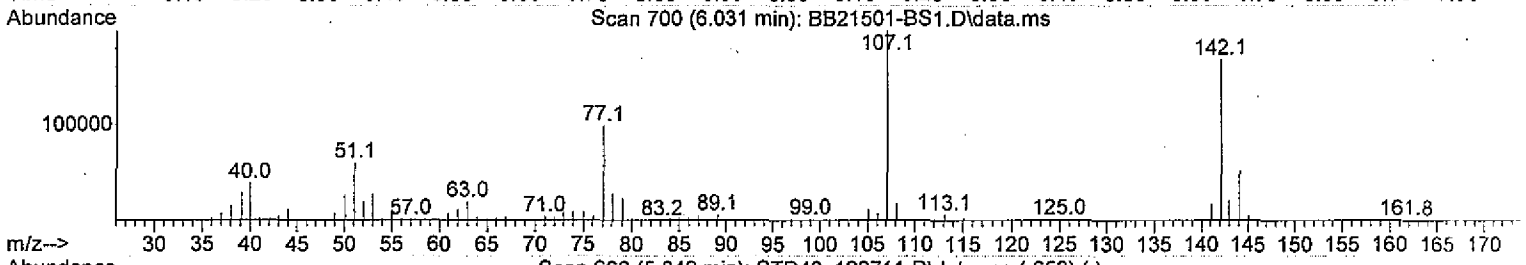
Quantitation Report (Qedit)

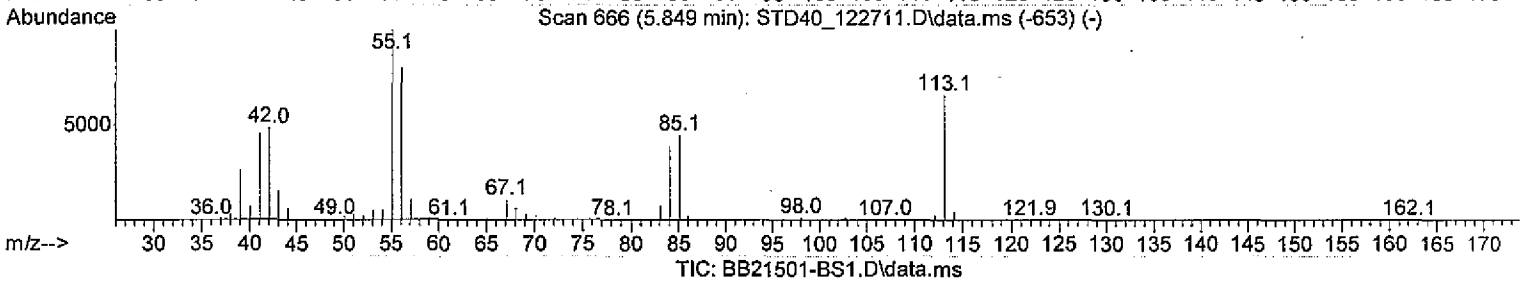
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

ERJ 2/22/12
~~peak selection~~
$04
ERJ
2/22/12







(26) Caprolactam

6.031min (+0.080) 0.33 ug/mL

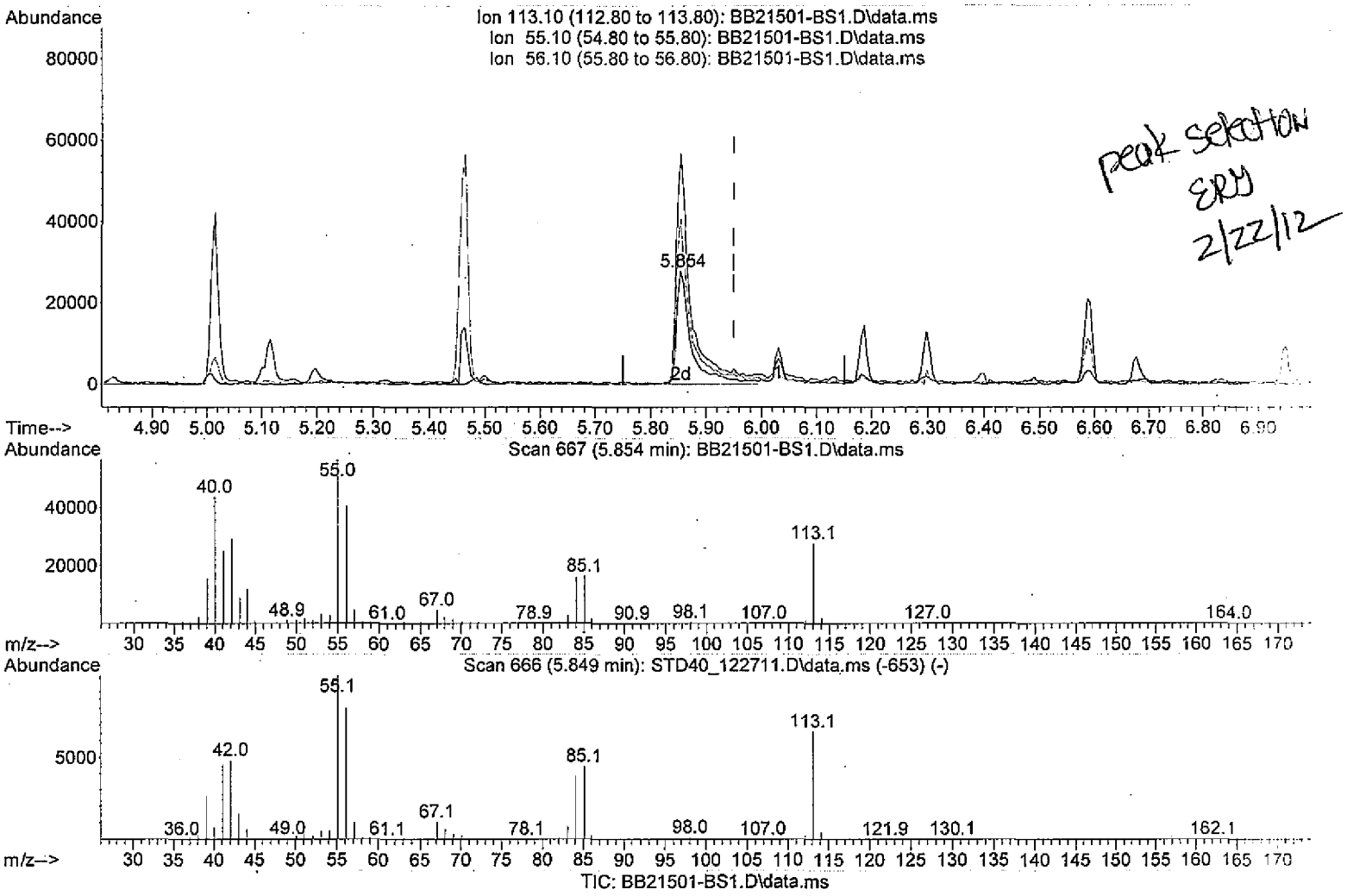
response 6451

Ion	Exp%	Act%
113.10	100	100
55.10	154.30	143.17
56.10	117.30	52.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
ERG
2/22/12

(26) Caprolactam

5.854min (-0.096) 2.63 ug/mL m

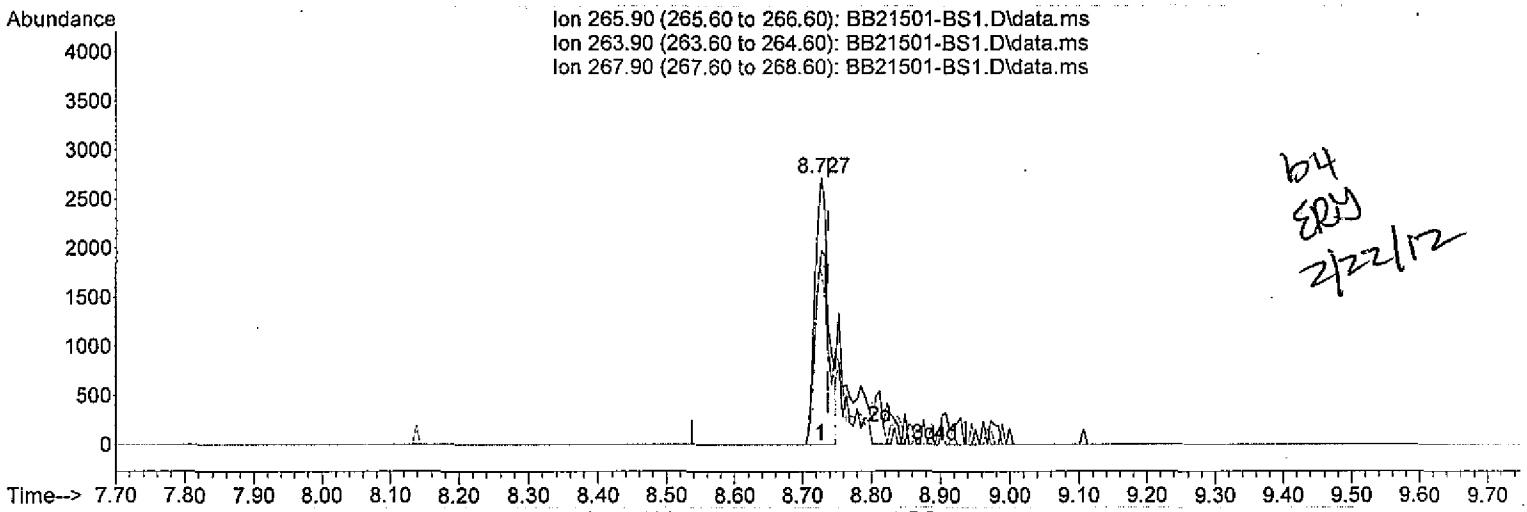
response 51349

Ion	Exp%	Act%
113.10	100	100
55.10	154.30	17.99#
56.10	117.30	6.57#
0.00	0.00	0.00

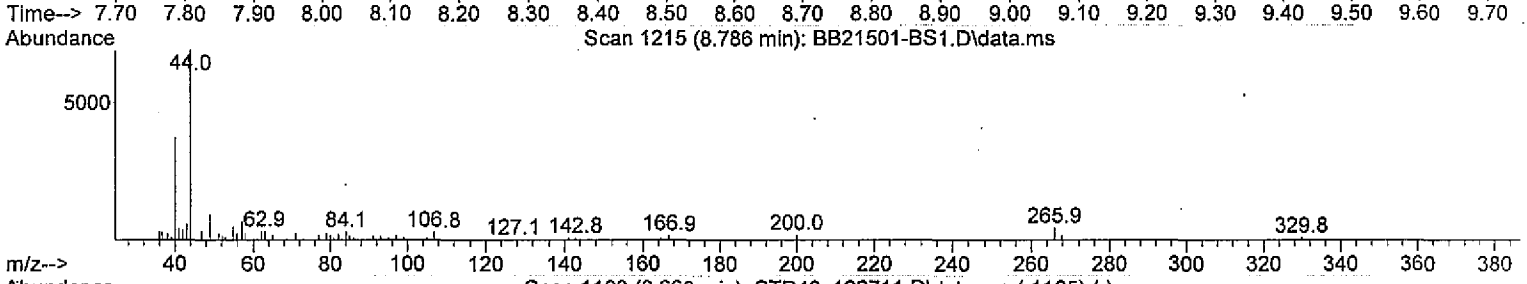
Quantitation Report (Qedit)

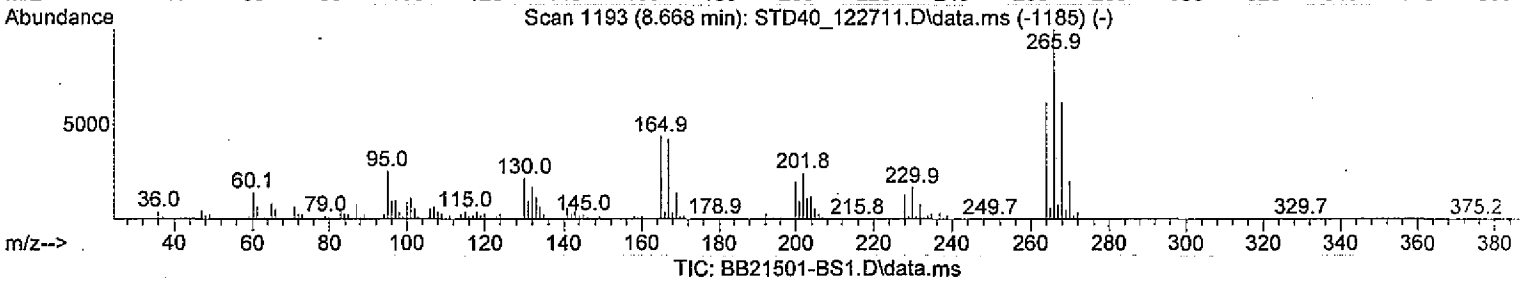
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



b4
ERG
2/22/12





TIC: BB21501-BS1.D\data.ms

(59) Pentachlorophenol

8.727min (-0.011) 0.19 ug/mL

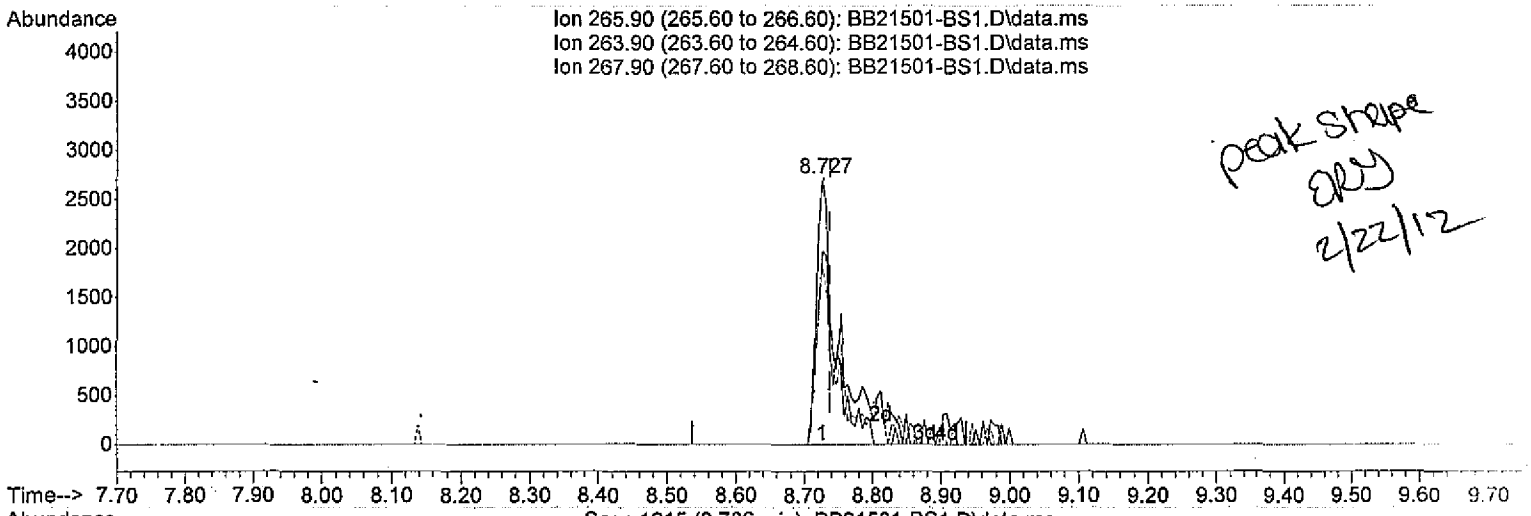
response 3722

Ion	Exp%	Act%
265.90	100	100
263.90	63.10	94.63#
267.90	63.50	89.60#
0.00	0.00	0.00

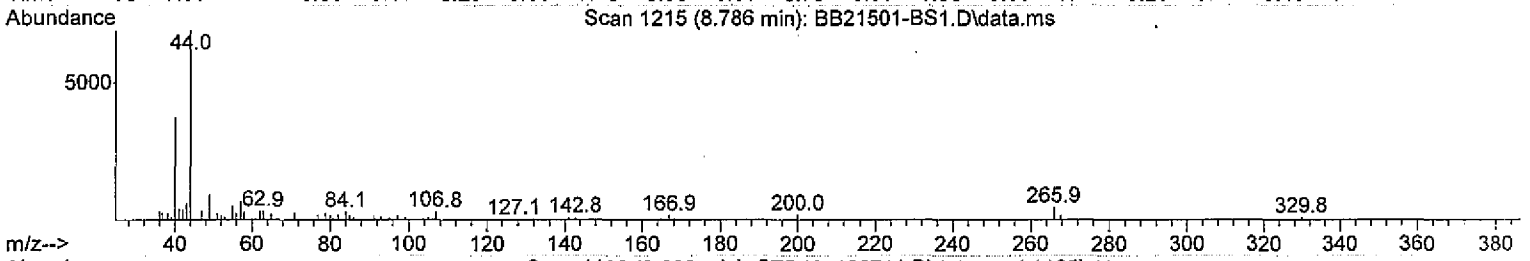
Quantitation Report (Qedit)

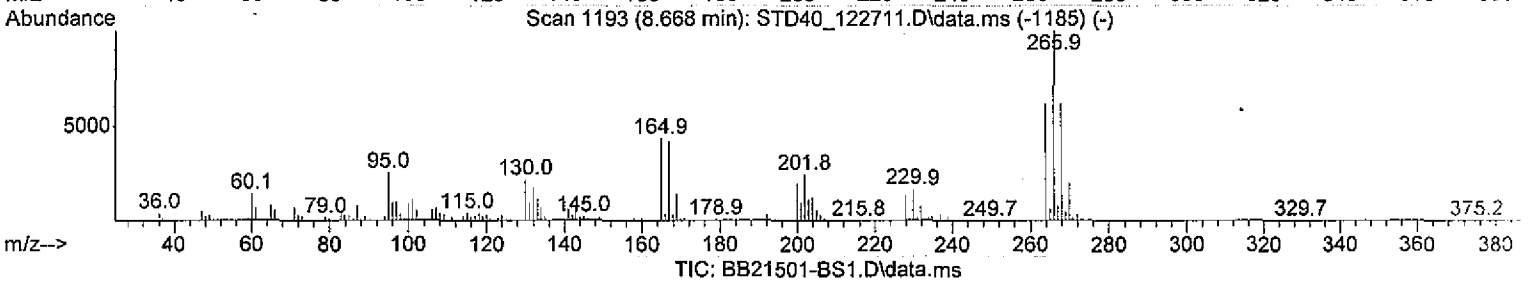
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak shape
ERY
2/22/12





(59) Pentachlorophenol

8.727min (-0.011) 0.36 ug/mL m

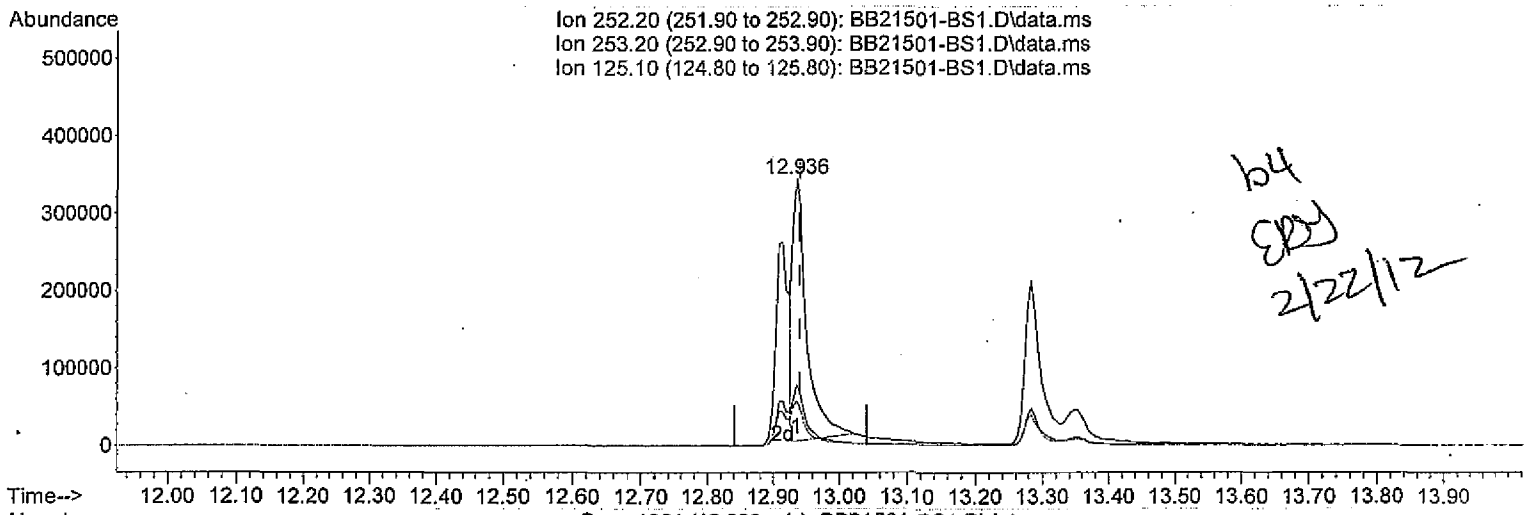
response 7033

Ion	Exp%	Act%
265.90	100	100
263.90	63.10	50.08#
267.90	63.50	47.42#
0.00	0.00	0.00

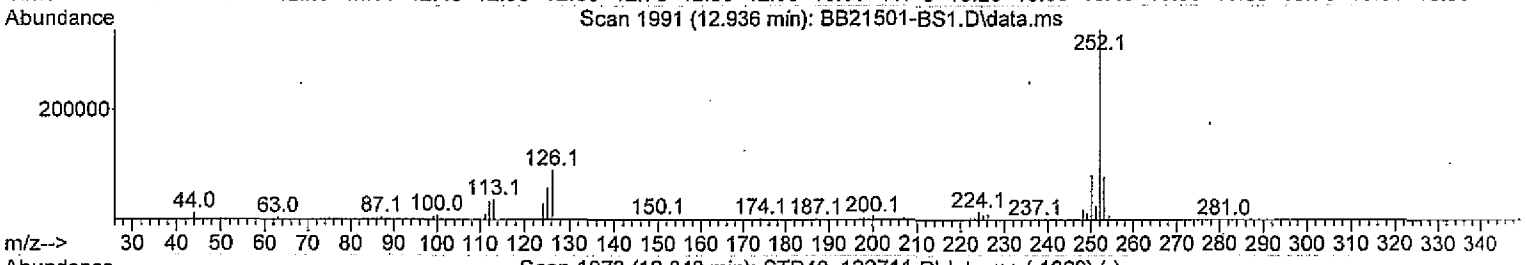
Quantitation Report (Qedit)

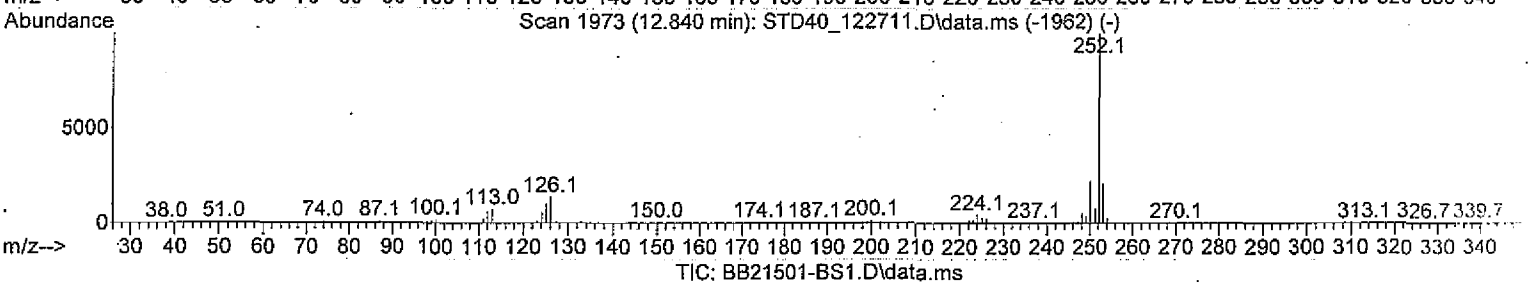
Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



b4
EBD
2/22/12





TIC: BB21501-BS1.D\data.ms

(75) Benzo(b)fluoranthene

12.936min (-0.005) 3.92 ug/mL

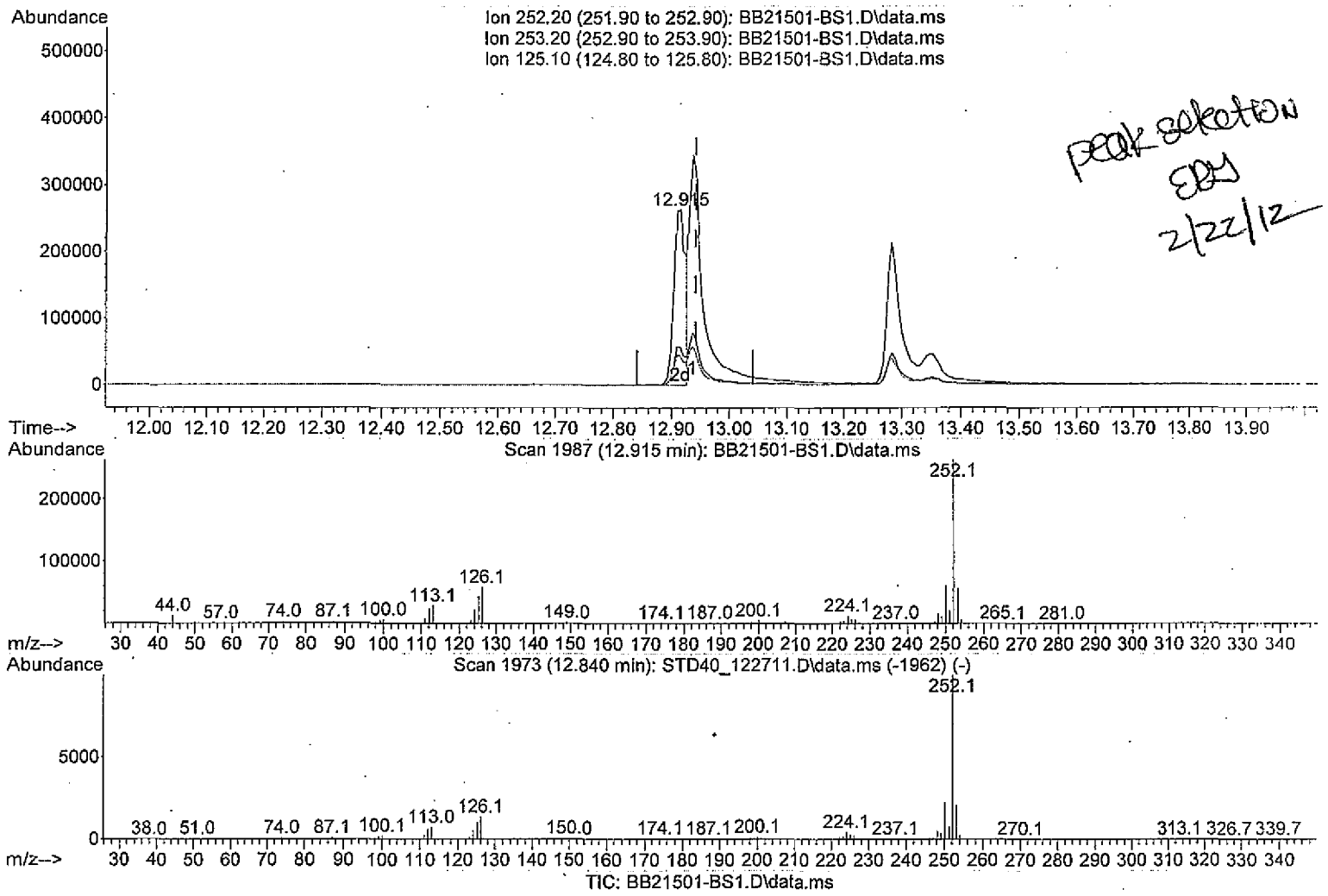
response 505811

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	21.98
125.10	14.70	16.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 09:16:26 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



peak selection
EDS
2/22/12

(75) Benzo(b)fluoranthene

12.915min (-0.027) 2.79 ug/mL m

response 360359

Ion	Exp%	Act%
252.20	100	100
253.20	21.50	30.86#
125.10	14.70	22.60#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 10:02:00 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M cali for 2-methoxyethanol + 1-methyl naphthalene
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration EBS 2/28/12

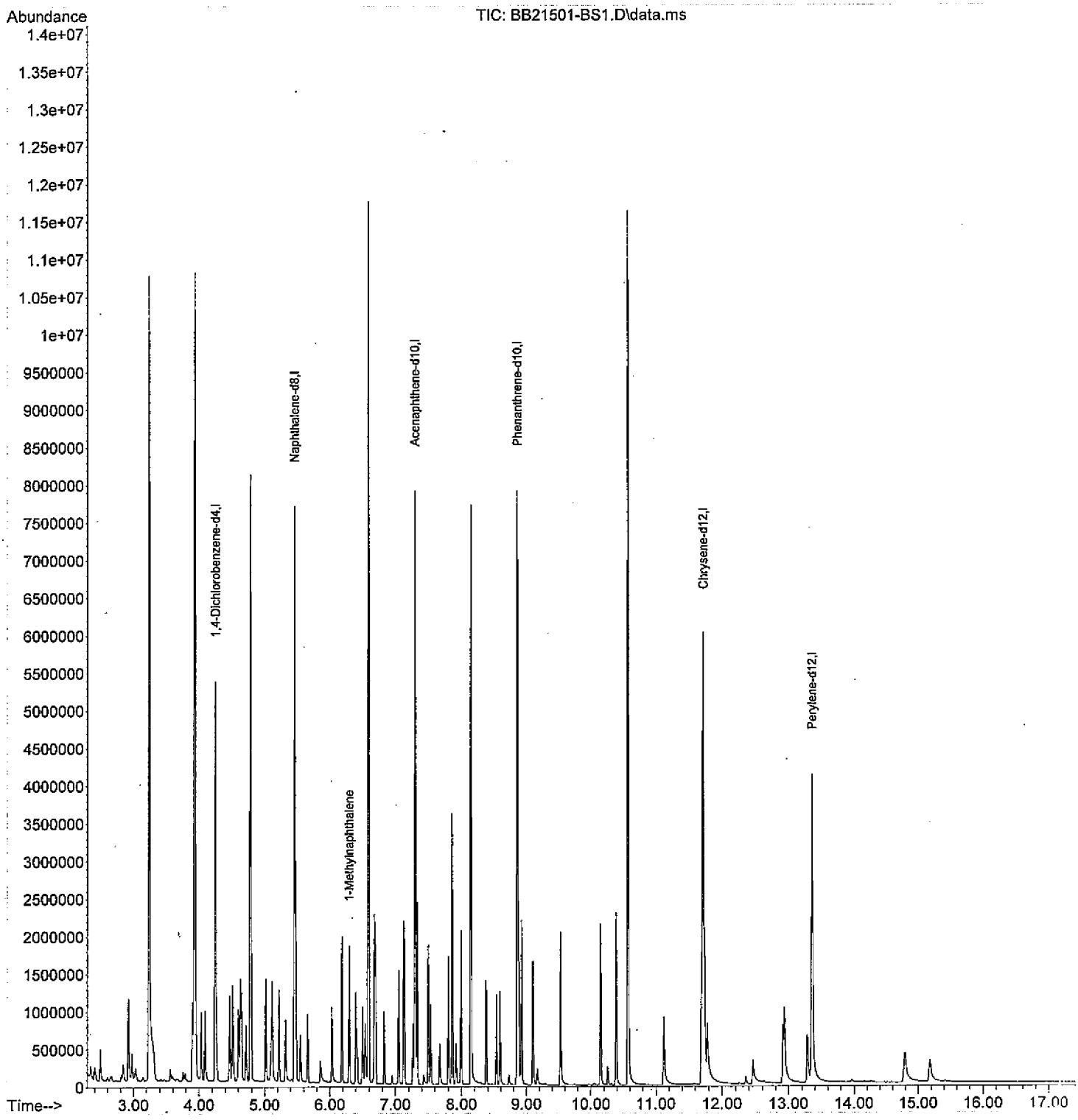
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	902547	20.000	ug/mL	0.00
3) Naphthalene-d8	5.464	136	3632479	20.000	ug/mL	# 0.00
5) Acenaphthene-d10	7.299	164	1967236	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.860	188	3304997	20.000	ug/mL	0.00
7) Chrysene-d12	11.717	240	2789984	20.000	ug/mL	0.00
8) Perylene-d12	13.359	264	2129652	20.000	ug/mL	0.00
Target Compounds						Qvalue
4) 1-Methylnaphthalene	6.298	142	489986	4.672	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS1.D
Acq On : 21 Feb 2012 5:00 pm
Operator : ERG 96-5975B
Sample : BB21501-BS1
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 10:02:00 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:39:31 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	911312	20.000	ug/mL	0.00
15) Naphthalene-d8	5.469	136	3590939	20.000	ug/mL	0.00
29) Acenaphthene-d10	7.309	164	1996382	20.000	ug/mL	0.00
52) Phenanthrene-d10	8.866	188	3583212	20.000	ug/mL	0.00
65) Chrysene-d12	11.727	240	2706515	20.000	ug/mL	0.00
73) Perylene-d12	13.369	264	2257616	20.000	ug/mL	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.239	112	3713171	67.678	ug/mL	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 67.68%			
5) Phenol-d6	3.940	99	4383636	71.833	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 71.83%			
16) Nitrobenzene-d5	4.790	82	2306584	37.948	ug/mL	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 75.90%			
34) 2-Fluorobiphenyl	6.598	172	4245264	37.585	ug/mL	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 75.16%			
55) 2,4,6-Tribromophenol	8.154	330	1033114	77.601	ug/mL	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 77.60%			
67) Terphenyl-d14	10.572	244	4228684	40.857	ug/mL	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 81.72%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.495	74	1678779	38.939	ug/mL#	83
4) Benzaldehyde	3.902	77	2071554	41.166	ug/mL	97
6) Phenol	3.950	94	2823359	40.935	ug/mL	93
7) Bis(2-chloroethyl)ether	4.041	93	2564178	38.191	ug/mL	99
8) 2-Chlorophenol	4.095	128	2533984	38.656	ug/mL	96
9) 2-Methylphenol	4.480	108	2399665	40.485	ug/mL	100
10) Bis(2-chloroisopropyl)...	4.523	45	4786380	35.418	ug/mL#	91
11) Acetophenone	4.646	105	3342089	40.395	ug/mL#	74
12) 4-Methylphenol	4.630	108	2523621	40.743	ug/mL	95
13) Hexachloroethane	4.715	117	694988	26.307	ug/mL	94
14) N-Nitroso-di-n-propyla...	4.678	70	1897424	41.505	ug/mL#	88
17) Nitrobenzene	4.811	77	2680145	41.250	ug/mL	96
18) Isophorone	5.036	82	5084675	42.033	ug/mL	96
19) 2-Nitrophenol	5.111	139	1414071	43.764	ug/mL#	88
20) 2,4-Dimethylphenol	5.132	107	2428311	40.687	ug/mL	92
21) Bis(2-chloroethoxy)met...	5.234	93	3082810	40.709	ug/mL	99
22) 2-4-Dichlorophenol	5.336	162	2076558	42.692	ug/mL	97
23) Naphthalene	5.491	128	6433481	38.423	ug/mL	99
24) 4-Chloroaniline	5.560	127	2914548	39.379	ug/mL	98
25) Hexachlorobutadiene	5.667	225	800038	31.176	ug/mL	99
26) Caprolactam	5.940	113	839822	43.571	ug/mL#	76
27) 4-Chloro-3-methylphenol	6.058	107	2378731	46.480	ug/mL	94
28) 2-Methylnaphthalene	6.197	142	4705324	39.929	ug/mL	98
30) Hexachlorocyclopentadiene	6.427	237	809281	35.134	ug/mL	100
31) 1,2,4,5-tetrachloroben...	6.411	216	1906456	38.372	ug/mL#	98
32) 2,4,6-Trichlorophenol	6.512	196	1396329	42.160	ug/mL	93
33) 2,4,5-Trichlorophenol	6.560	196	1471094	43.106	ug/mL	93
35) 2-Chloronaphthalene	6.705	162	4058254	37.723	ug/mL	97
36) 1,1-Biphenyl	6.689	154	5094737	36.963	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERC 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:39:31 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration

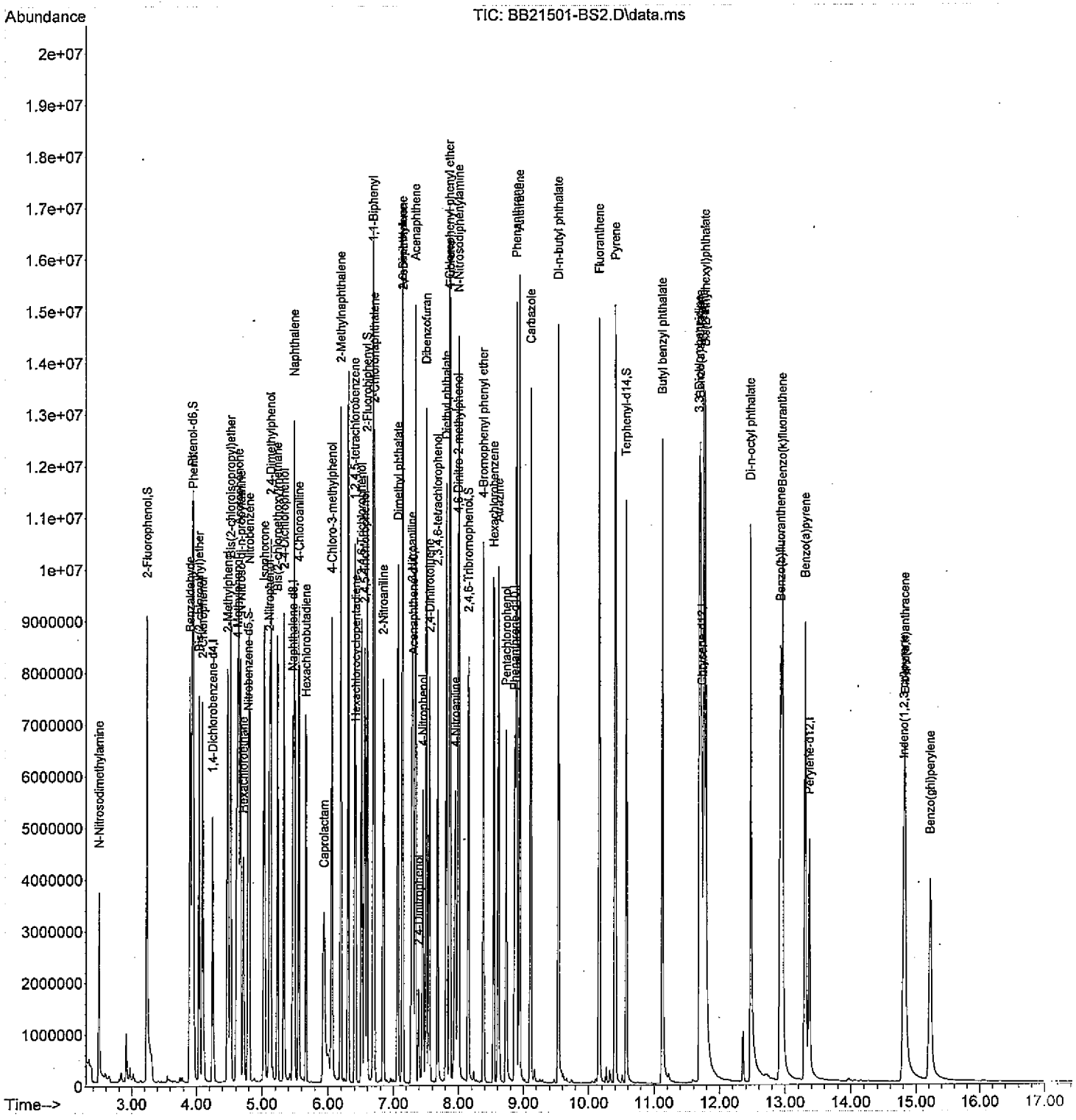
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 2-Nitroaniline	6.844	65	1858921	46.428 ug/mL	90
38) Acenaphthylene	7.149	152	6365317	38.079 ug/mL	99
39) Dimethyl phthalate	7.074	163	5958220	45.178 ug/mL	99
40) 2,6-Dinitrotoluene	7.149	165	1096888	43.343 ug/mL	89
41) 3-Nitroaniline	7.293	138	1659919	47.101 ug/mL	87
42) Acenaphthene	7.347	153	4828131	41.519 ug/mL	96
43) 2,4-Dinitrophenol	7.389	184	284825	22.763 ug/mL	95
44) Dibenzofuran	7.513	168	6515531	42.626 ug/mL	98
45) 4-Nitrophenol	7.459	109	731539	51.029 ug/mL	93
46) 2,4-Dinitrotoluene	7.561	165	2059887	50.264 ug/mL	97
47) 2,3,4,6-tetrachlorophenol	7.684	232	1174461	46.709 ug/mL#	91
48) Fluorene	7.882	166	4426007	40.483 ug/mL	100
49) Diethyl phthalate	7.823	149	5891874	47.578 ug/mL	98
50) 4-Chlorophenyl phenyl ...	7.871	204	2077517	40.964 ug/mL	96
51) 4-Nitroaniline	7.956	138	1622830	54.575 ug/mL	96
53) 4,6-Dinitro-2-methylph...	7.999	198	877996	46.038 ug/mL#	21
54) N-Nitrosodiphenylamine	8.010	169	4422679	39.847 ug/mL	97
56) 4-Bromophenyl phenyl e...	8.384	248	1370412	42.233 ug/mL	97
57) Hexachlorobenzene	8.550	284	1507236	43.197 ug/mL	98
58) Atrazine	8.620	200	1588784	42.412 ug/mL	96
59) Pentachlorophenol	8.737	266	888995	41.490 ug/mL	98
60) Phenanthrene	8.898	178	7952982	42.645 ug/mL	98
61) Anthracene	8.946	178	8370779	44.224 ug/mL	99
62) Carbazole	9.117	167	7786273	44.878 ug/mL	100
63) Di-n-butyl phthalate	9.540	149	9985739	49.118 ug/mL	99
64) Fluoranthene	10.165	202	8817814	45.149 ug/mL#	93
66) Pyrene	10.406	202	9203813	48.374 ug/mL#	92
68) Butyl benzyl phthalate	11.128	149	3894872	49.529 ug/mL	100
69) Benzo(a)anthracene	11.706	228	6674429	45.270 ug/mL	99
70) 3,3'-Dichlorobenzidine	11.690	252	1800560	43.123 ug/mL	99
71) Chrysene	11.759	228	6470409	45.344 ug/mL	98
72) Bis(2-ethylhexyl)phtha...	11.786	149	5090547	50.081 ug/mL	98
74) Di-n-octyl phthalate	12.476	149	8092959	51.232 ug/mL	100
75) Benzo(b)fluoranthene	12.936	252	5912351	43.249 ug/mL	99
76) Benzo(k)fluoranthene	12.963	252	6474995m	50.396 ug/mL	
77) Benzo(a)pyrene	13.310	252	5823098	47.247 ug/mL	98
78) Indeno(1,2,3-cd)pyrene	14.819	276	4573027	45.052 ug/mL#	79
79) Dibenz(a,h)anthracene	14.835	278	3725906	45.426 ug/mL	98
80) Benzo(ghi)perylene	15.225	276	3615762	42.838 ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

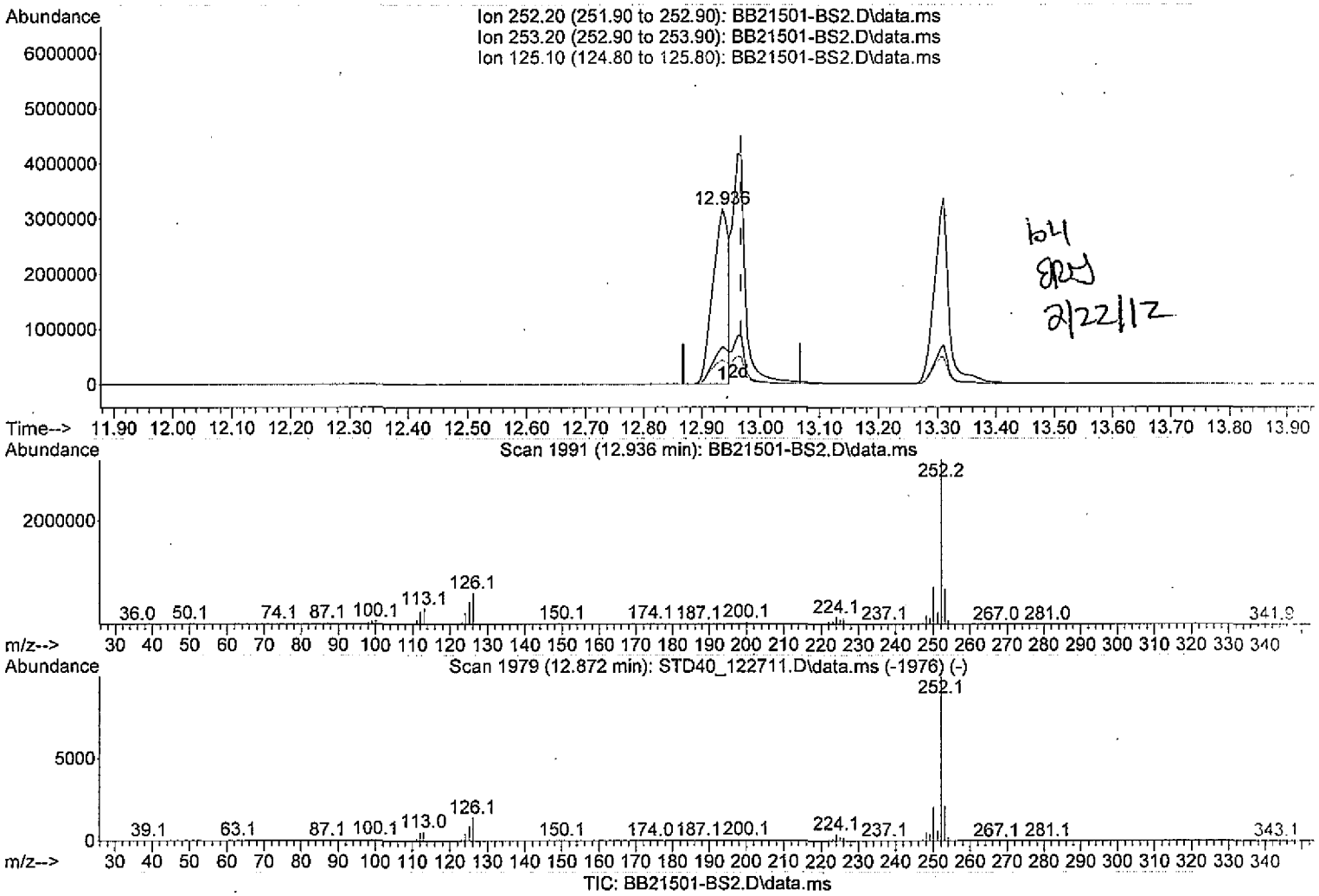
Quant Time: Feb 22 09:39:31 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:16:31 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



bd
SRY
2/22/12

(76) Benzo(k)fluoranthene

12.936min (-0.032) 46.00 ug/mL

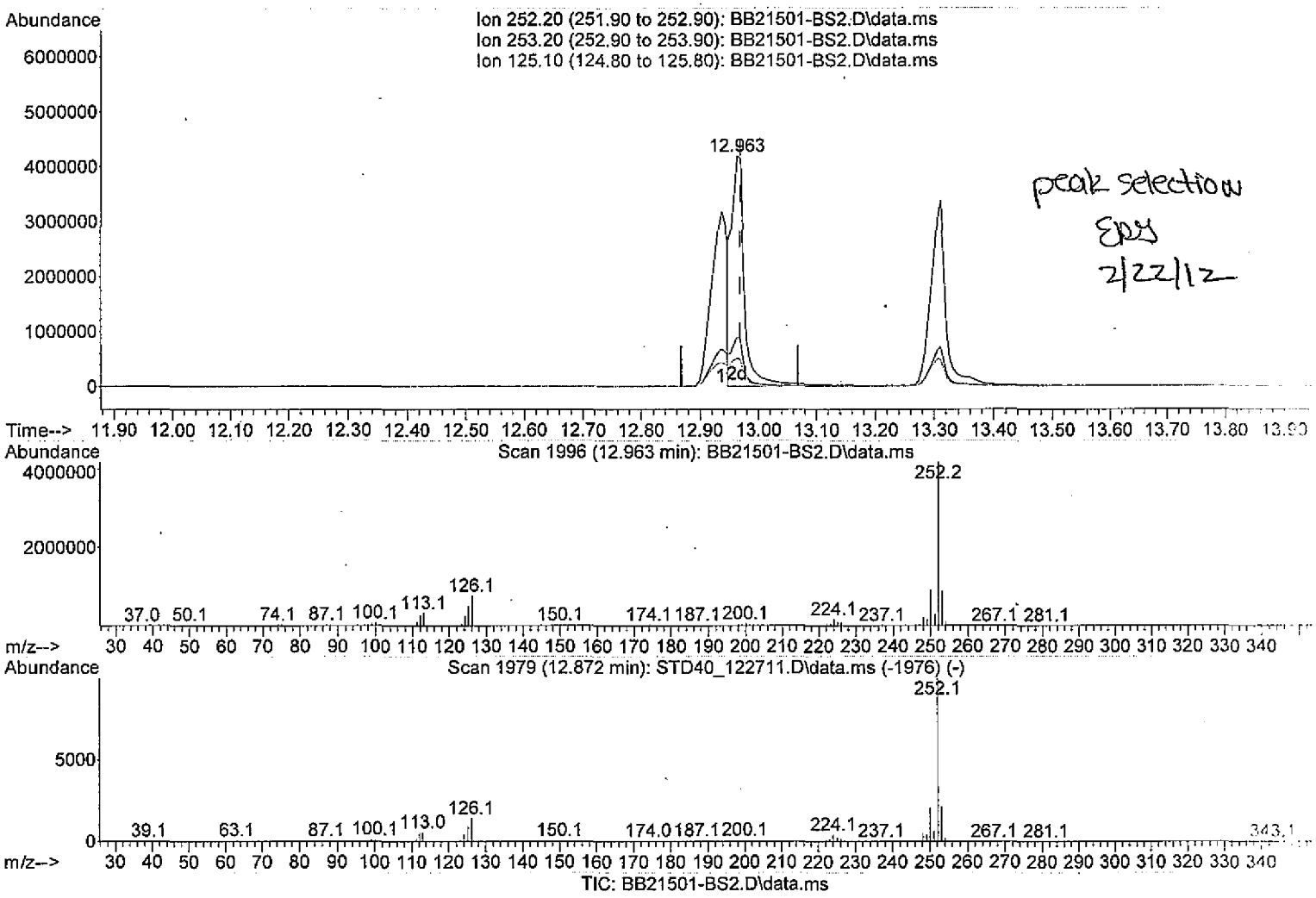
response 5909888

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	21.61
125.10	14.90	15.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:16:31 2012
Quant Method : D:\DATA\SVOC\calibrations\cali021212erg.M
Quant Title : Calibration 021212
QLast Update : Mon Feb 13 11:26:25 2012
Response via : Initial Calibration



(76) Benzo(k)fluoranthene

12.963min (-0.005) 50.40 ug/mL m

response 6474995

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	19.73
125.10	14.90	13.86
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:59:19 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration

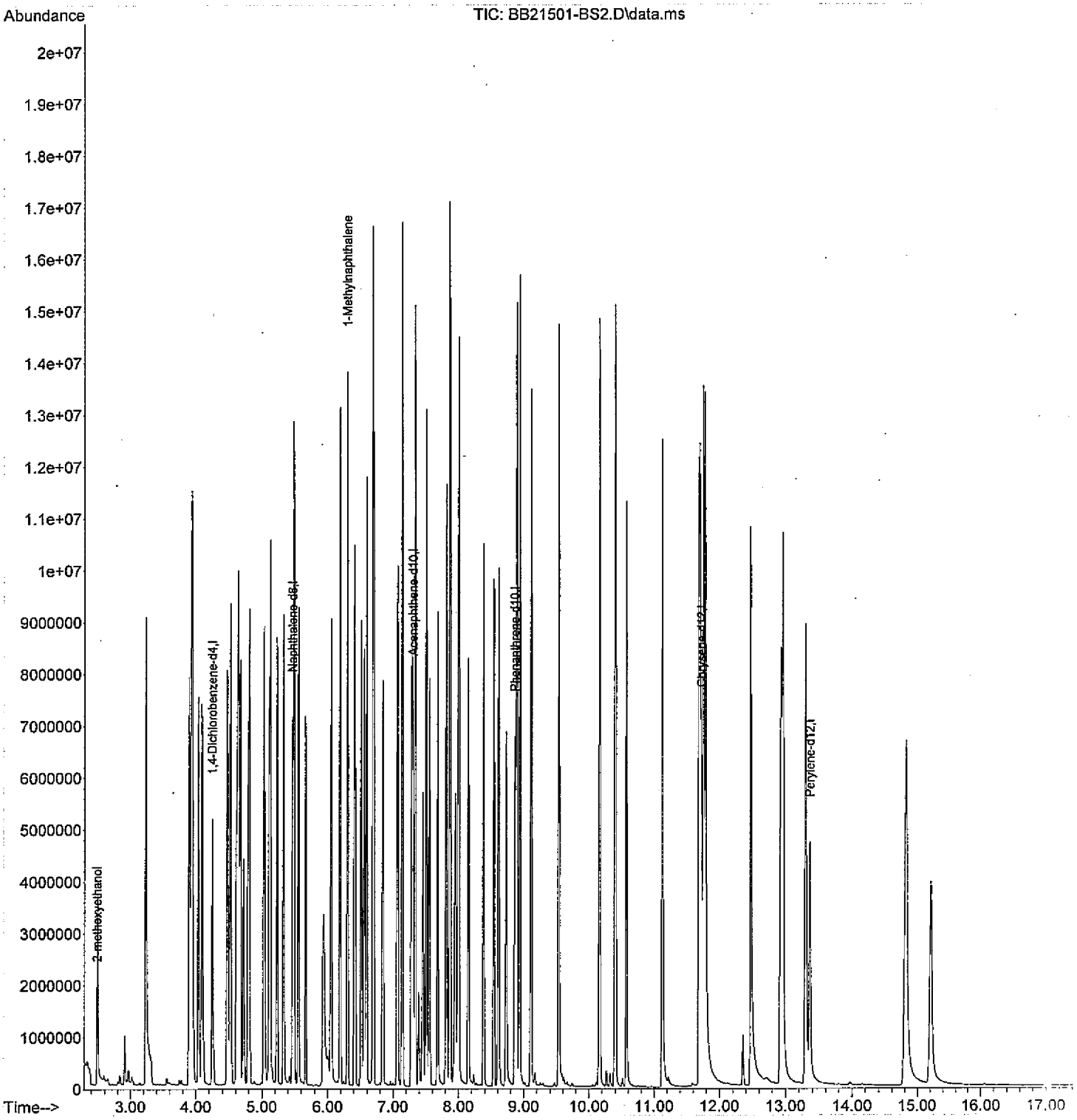
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.250	152	911312	20.000	ug/mL	0.00
3) Naphthalene-d8	5.469	136	3590939	20.000	ug/mL	0.00
5) Acenaphthene-d10	7.309	164	1996382	20.000	ug/mL	0.00
6) Phenanthrene-d10	8.866	188	3583212	20.000	ug/mL	0.00
7) Chrysene-d12	11.727	240	2706515	20.000	ug/mL	0.02
8) Perylene-d12	13.369	264	2257616	20.000	ug/mL	0.01
Target Compounds						Qvalue
2) 2-methoxyethanol	2.485	45	46122	19.421	ug/mL	86
4) 1-Methylnaphthalene	6.309	142	4369946	42.149	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\SVOC\2012\Feb\022112\
Data File : BB21501-BS2.D
Acq On : 21 Feb 2012 5:51 pm
Operator : ERG 96-5975B
Sample : BB21501-BS2
Misc : DAS R33907 1202004&05 DIMOCK BB21501
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 09:59:19 2012
Quant Method : D:\DATA\SVOC\calibrations\caliDIMOCK02121240.M
Quant Title : DIMOCK Calibration 021212
QLast Update : Wed Feb 22 09:03:11 2012
Response via : Initial Calibration



Case File Contents

Semivolatile Organic Compounds

SVOCs by CLP Equivalent

WO 1202004

Dimock Residential Groundwater

DAS R33907

Log Book Copies, Run Logs

Sequence Name: C:\msdchem\1\sequence\SVOCS\ERG022112.S
Comment: DAS R33907 1202004&05 DIMOCK BB21501
Operator: ERG 96-5975B
Data Path: D:\DATA\SVOC\2012\FEB\022112 ERG 02/21/12
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Initial cal ran on 2/12/12
cali 02121 2ERG.M
and
cali DIMOCK 021212 40.M

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info
1)	Sample	100	DFTPP00112
	Datafile		DFTPP00112
	Method		FULL SCAN R6100+
2)	Sample	1	STD60_021012
	Datafile		STD60_021012
	Method		FULL SCAN R6100+
3)	Sample	99	MECL2BLK1
	Datafile		MECL2BLK1
	Method		FULL SCAN R6100+
4)	Sample	2	STD40_021012B
	Datafile		STD40_021012B
	Method		FULL SCAN R6100+
5)	Sample	99	MECL2BLK8
	Datafile		MECL2BLK8
	Method		FULL SCAN R6100+
6)	Sample	3	BB21501-BLK1
	Datafile		BB21501-BLK1
	Method		FULL SCAN R6100+
7)	Sample	99	MECL2BLK9
	Datafile		MECL2BLK9
	Method		FULL SCAN R6100+
	Sample	4	BB21501-BS1
	Datafile		BB21501-BS1
	Method		FULL SCAN R6100+
9)	Sample	99	MECL2BLK10
	Datafile		MECL2BLK10
	Method		FULL SCAN R6100+
10)	Sample	5	BB21501-BS2
	Datafile		BB21501-BS2
	Method		FULL SCAN R6100+
11)	Sample	99	MECL2BLK11
	Datafile		MECL2BLK11
	Method		FULL SCAN R6100+
12)	Sample	6	1202004-30
	Datafile		1202004-30
	Method		FULL SCAN R6100+
13)	Sample	99	MECL2BLK12
	Datafile		MECL2BLK12
	Method		FULL SCAN R6100+
14)	Sample	7	1202004-31
	Datafile		1202004-31
	Method		FULL SCAN R6100+
15)	Sample	99	MECL2BLK13
	Datafile		MECL2BLK13
	Method		FULL SCAN R6100+
16)	Sample	8	1202004-32
	Datafile		1202004-32
	Method		FULL SCAN R6100+
17)	Sample	99	MECL2BLK15
	Datafile		MECL2BLK15
	Method		FULL SCAN R6100+
18)	Sample	9	1202005-07
	Datafile		1202005-07
	Method		FULL SCAN R6100+

Last Modified: Tue Feb 21 13:56:16 2012

```
19) Sample        99  MECL2BLK16
    Datafile          MECL2BLK16
    Method            FULL SCAN R6100+
20) Sample        10  1202005-08
    Datafile          1202005-08
    Method            FULL SCAN R6100+
21) Sample        99  MECL2BLK17
    Datafile          MECL2BLK17
    Method            FULL SCAN R6100+
22) Sample        11  1202005-09
    Datafile          1202005-09
    Method            FULL SCAN R6100+
23) Sample        99  MECL2BLK18
    Datafile          MECL2BLK18
    Method            FULL SCAN R6100+
24) Sample        12  1202005-10
    Datafile          1202005-10
    Method            FULL SCAN R6100+
25) Sample        99  MECL2BLK19
    Datafile          MECL2BLK19
    Method            FULL SCAN R6100+
26) Sample        13  BB21501-MS1
    Datafile          BB21501-MS1
    Method            FULL SCAN R6100+
27) Sample        99  MECL2BLK20
    Datafile          MECL2BLK20
    Method            FULL SCAN R6100+
28) Sample        14  BB21501-MSD1
    Datafile          BB21501-MSD1
    Method            FULL SCAN R6100+
29) Sample        99  MECL2BLK21
    Datafile          MECL2BLK21
    Method            FULL SCAN R6100+
```

EPA REGION 3 - OASQA - LLE SAMPLE/REAGENT PREPARATION LOG

BB21501 bch_LLE.rpt

Project:	DAS R33907		
Work Order No:	1202004 1202005	**Location:**	EPA #3 Shelf 2C
Site Name:	Dimock Residential Groundwater	**Prepared:**	02/15/12 08:01
		SOP#:	201
Analysis:	SVOCs by CLP Equivalent	**Analyst:**	ERG

Matrix: Water

Extraction Solvent	Barcode #	Quantity Used For Each Sample mL	Pest/PCB DRO SVOC (circle one)	SVOC Base/Neutral	Concentration Solvent	Barcode #
$MeCl_2$	13810	~200mL	Start 0910 Date/Time 2/15/12	Start Date/Time	$MeCl_2$	13811
			Stop 0800 Date/Time 2/16/12	Stop Date/Time		

QC Info	Standard ID#	Conc µg/mL	Volume Added mL	Reagent	Barcode # or Standard ID#	Reagent	Barcode # or Standard ID#	Concentration Date: 2/16/12	
Surrogate Spike	1200083	100/50	1.0	10N NaOH	N/A	$Na_2S_2O_3$	N/A	S-EVAP Temp	N-EVAP Temp
Matrix Spike/ Blank Spike	1200085/1200087 1200110/1200111	5/5/23 60/60/60	1.0 1.0	18N H_2SO_4	12761	Reagent Purity Check: ✓		less than 70°C	less than 35°C
Internal Standard	1200109	2000	0.01 1.0	6N HCl	N/A	DI Water Pass: ✓			

EB 2/15/12

EPA REGION 3 - OASQA - LLE SAMPLE/REAGENT PREPARATION LOG

BB21501 **bch_LLE.rpt**

LabNumber	Container ID	Collection Date	Initial (mL)	Initial Final pH	Initial Final Cl-	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	ExtractionComments
1202004-30	O	02/10/12 11:02	EDJ 2/12/12 ~~1000~~ 1050	7,2	O	1				1000	71 Drinking Water
1202004-31	O	02/10/12 11:21	EDJ 2/12/12 ~~1000~~ 1050	7,2	O	1				1000	71 Drinking Water
1202004-32	O	02/10/12 14:08	1000	7,2	O	1				1000	71 Drinking Water
1202005-07	O	02/13/12 10:38	1000	7,2	O	1				1000	71 Drinking Water
1202005-08	O	02/13/12 10:37	1000	7,2	O	1				1000	71 Drinking Water
1202005-09	O	02/13/12 09:06	EDJ 2/12/12 ~~1000~~ 1050	7,2	O	1				1000	71 Drinking Water
1202005-10	O	02/13/12 10:21	1000	7,2	O	1				1000	71 Drinking Water
BB21501-BLK1		02/15/12 08:01	1000	7,2	O	1				1000	
BB21501-BS1		02/15/12 08:01	1000	~~0~~ 7,2	O	1	1200085		1000	1000	
BB21501-BS2		02/15/12 08:01	1000	EDJ 2/15/12 7,2	O	1	1200110		1000	1000	
BB21501-MS1		02/13/12 10:21	1000	7,2	O	1	1200110	1202005-10	1000	1000	
BB21501-MSD1		02/13/12 10:21	1000	7,2	O	1	1200110	1202005-10	1000	1000	

Surrogate used: 1200083

Analytical Standard Record
U.S. EPA Region 3
1100837

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	06/24/2012
Standard Type:	Analyte Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A0696622
Vials:	1	Received:	12/15/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A0696622 Exp. Date: 08/2012
Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec'd 12/15/11
ERD

Analytical Standard Record
U.S. EPA Region 3
1100807

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	06/11/2012
Standard Type:	Analyte Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Metylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A082407
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERY	Mfgr Expiration:	12/30/2012

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix ERY 2/23/12
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix ERY 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1100807

Acetophenone	98-86-2	1000	ug/mL	
Anthracene	120-12-7	1000	ug/mL	
~~Benzaldehyde~~	~~100-52-7~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
Benzo(a)anthracene	56-55-3	1000	ug/mL	
Benzo(a)pyrene	50-32-8	1000	ug/mL	
Benzo(b)fluoranthene	205-99-2	1000	ug/mL	
Benzo(ghi)perylene	191-24-2	1000	ug/mL	
Benzo(k)fluoranthene	207-08-9	1000	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~1000~~	~~ug/mL~~	Not in mix ERD 2/23/12
Benzyl butyl phthalate	85-68-7	1000	ug/mL	
~~Biphenyl~~	~~92-52-4~~	~~1000~~	~~ug/mL~~	Wrong Name ERD 2/23/12
Bis(2-chloroethoxy)methane	111-91-1	1000	ug/mL	
Bis(2-chloroethyl)ether	111-44-4	1000	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	1000	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	1000	ug/mL	
Butyl benzyl phthalate	85-68-7	1000	ug/mL	
Carbazole	86-74-8	1000	ug/mL	
Chrysene	218-01-9	1000	ug/mL	
Dibenz(a,h)anthracene	53-70-3	1000	ug/mL	
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~1000~~	~~ug/mL~~	Wrong Name ERD 2/23/12
Dibenzofuran	132-64-9	1000	ug/mL	
Diethyl phthalate	84-66-2	1000	ug/mL	
Dimethyl phthalate	131-11-3	1000	ug/mL	
Di-n-butyl phthalate	84-74-2	1000	ug/mL	
Di-n-octyl phthalate	117-84-0	1000	ug/mL	
Fluoranthene	206-44-0	1000	ug/mL	
Fluorene	86-73-7	1000	ug/mL	
Hexachlorobenzene	118-74-1	1000	ug/mL	
Hexachlorobutadiene	87-68-3	1000	ug/mL	
Hexachlorocyclopentadiene	77-47-4	1000	ug/mL	
Hexachloroethane	67-72-1	1000	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	ug/mL	
Isophorone	78-59-1	1000	ug/mL	
Naphthalene	91-20-3	1000	ug/mL	
Nitrobenzene	98-95-3	1000	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	1000	ug/mL	
N-Nitrosodiphenylamine	86-30-6	1000	ug/mL	
Pentachlorophenol	87-86-5	1000	ug/mL	
Phenanthrene	85-01-8	1000	ug/mL	
Phenol	108-95-2	1000	ug/mL	
Pyrene	129-00-0	1000	ug/mL	

RESTEK
110 Banner Circle
Bellefonte, PA 16823
Made in USA

Catalog # 31900
Sonication required. Mix is photosensitive.
OLM 01.1 Revised SV MegaMix
Rec 9/20/11 EBS
500 - 1000 ug/mL each in Methylene Chloride
Lot# A082407 Exp. Date: 12/2012 Store: 0°C or colder

Analytical Standard Record
U.S. EPA Region 3
1100656

std_Org_analytical.rpt

Description:	ERG Additions Standards 091311	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	09/13/2011
Department:	ORGANIC-GCMS	Prepared By:	~~Eric Graybill~~ Vendor ERG 9/27/1
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A077017
Vials:	1	Received:	01/20/2011
Reagent Purity Checked	ERG	Mfgr Expiration:	09/30/2012

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
Made in USA
Cat# 31902
Rec 01/20/11 ERG
Additions Standard
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A077017 Exp. Date: 09/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

IM0217500

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Description:	ERG OLM 01.1 Revised SV Mega Mix	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	MeCl2	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A085199
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	EDM	Mfgr Expiration:	05/30/2013

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	1000	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	1000	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	1000	ug/mL	
2,4,5-Trichlorophenol	95-95-4	1000	ug/mL	
2,4,6-Trichlorophenol	88-06-2	1000	ug/mL	
2,4-Dichlorophenol	120-83-2	1000	ug/mL	
2,4-Dimethylphenol	105-67-9	1000	ug/mL	
2,4-Dinitrophenol	51-28-5	1000	ug/mL	
2,4-Dinitrotoluene	121-14-2	1000	ug/mL	
2,6-Dinitrotoluene	606-20-2	1000	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~1000~~	~~ug/mL~~	Not in mix EDM 2/23/1
2-Chloronaphthalene	91-58-7	1000	ug/mL	
2-Chlorophenol	95-57-8	1000	ug/mL	
2-Methylnaphthalene	91-57-6	1000	ug/mL	
2-Methylphenol	95-48-7	1000	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~1000~~	~~ug/mL~~	Not in mix EDM 2/23/12
2-Nitroaniline	88-74-4	1000	ug/mL	
2-Nitrophenol	88-75-5	1000	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	1000	ug/mL	
3-Nitroaniline	99-09-2	1000	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	1000	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	1000	ug/mL	
4-Chloro-3-methylphenol	59-50-7	1000	ug/mL	
4-Chloroaniline	106-47-8	1000	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	1000	ug/mL	
4-Methylphenol	106-44-5	1000	ug/mL	
4-Nitroaniline	100-01-6	1000	ug/mL	
4-Nitrophenol	100-02-7	1000	ug/mL	
Acenaphthene	83-32-9	1000	ug/mL	
Acenaphthylene	208-96-8	1000	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200106

std_Org_analytical.rpt

Acetophenone	98-86-2	1000	ug/mL	
Anthracene	120-12-7	1000	ug/mL	
~~Benzaldehyde~~	~~100-52-7~~	~~1000~~	~~ug/mL~~	NOT IN MIX
Benzo(a)anthracene	56-55-3	1000	ug/mL	ERY 2/23/1
Benzo(a)pyrene	50-32-8	1000	ug/mL	
Benzo(b)fluoranthene	205-99-2	1000	ug/mL	
Benzo(ghi)perylene	191-24-2	1000	ug/mL	
Benzo(k)fluoranthene	207-08-9	1000	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~1000~~	~~ug/mL~~	NOT IN MIX
Benzyl butyl phthalate	85-68-7	1000	ug/mL	ERY 2/23/12
~~Biphenyl~~	~~92-52-4~~	~~1000~~	~~ug/mL~~	WRONG NAME
Bis(2-chloroethoxy)methane	111-91-1	1000	ug/mL	ERY 2/23/12
Bis(2-chloroethyl)ether	111-44-4	1000	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	1000	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	1000	ug/mL	
Butyl benzyl phthalate	85-68-7	1000	ug/mL	
Carbazole	86-74-8	1000	ug/mL	
Chrysene	218-01-9	1000	ug/mL	
Dibenz(a,h)anthracene	53-70-3	1000	ug/mL	WRONG NAME
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~1000~~	~~ug/mL~~	~~NOT IN M~~
Dibenzofuran	132-64-9	1000	ug/mL	ERY 2/23/1
Diethyl phthalate	84-66-2	1000	ug/mL	
Dimethyl phthalate	131-11-3	1000	ug/mL	
Di-n-butyl phthalate	84-74-2	1000	ug/mL	
Di-n-octyl phthalate	117-84-0	1000	ug/mL	
Fluoranthene	206-44-0	1000	ug/mL	
Fluorene	86-73-7	1000	ug/mL	
Hexachlorobenzene	118-74-1	1000	ug/mL	
Hexachlorobutadiene	87-68-3	1000	ug/mL	
Hexachlorocyclopentadiene	77-47-4	1000	ug/mL	
Hexachloroethane	67-72-1	1000	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	ug/mL	
Isophorone	78-59-1	1000	ug/mL	
Naphthalene	91-20-3	1000	ug/mL	
Nitrobenzene	98-95-3	1000	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	1000	ug/mL	
N-Nitrosodiphenylamine	86-30-6	1000	ug/mL	
Pentachlorophenol	87-86-5	1000	ug/mL	
Phenanthrene	85-01-8	1000	ug/mL	
Phenol	108-95-2	1000	ug/mL	
Pyrene	129-00-0	1000	ug/mL	

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31900
Sonication required. Mix is photosensitive.
OLM 01.1 Revised SV MegaMix
500 - 1000 ug/mL each in Methylene Chloride
Lot# A085199 Exp. Date: 05/2013
Store: 0°C or colder
3 0
Rec 2/6/12 ERY

Analytical Standard Record
U.S. EPA Region 3
1200107

std_Org_analytical.rpt

Description:	ERG Additions Standards	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A084293
Vials:	1	Received:	02/06/2012
Reagent Purity Checked	CDY	Mfgr Expiration:	09/30/2013

Analyte	CAS Number	Concentration	Units
Atrazine	1912-24-9	1000	ug/mL
Benzaldehyde	100-52-7	1000	ug/mL
Caprolactam	105-60-2	1000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31902
Additions Standard
Rec 2/6/12
1000 ug/mL each in Methylene Chloride (MEOH FREE)
Lot# A084293 Exp. Date: 09/2013 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200108

std_Org_analytical.rpt

Description:	ERG N-Nitrosodimethylamine	Expires:	08/05/2012
Standard Type:	Analyte Spike	Prepared:	02/06/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A069622
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	08/30/2012

Analyte	CAS Number	Concentration	Units
N-Nitrosodimethylamine	62-75-9	1000	ug/mL

RESTEK
Cat# 31427
N-Nitrosodimethylamine Standard
1000 ug/mL each in Methanol
Lot# A069622 Exp. Date: 08/2012 Store: Refrigerate
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Rec 2/6/12

Analytical Standard Record
U.S. EPA Region 3
1200053

std_Org_analytical.rpt

Description:	ERG 1-methylnaphthalene	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/24/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB79536
Vials:	1	Received:	01/18/2012
Reagent Purity Checked		Mfgr Expiration:	10/28/2013

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	2000	ug/mL

NOTEBOOK INSERT LABEL

1-Methylnaphthalene 4-8162
Lot: LB79536 EXP: OCT/2013 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1/18/12

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

DIM021

Analytical Standard Record
U.S. EPA Region 3
1200073

std_Org_analytical.rpt

Description:	ERG 2ME_010912	Expires:	07/23/2012
Standard Type:	Analyte Spike	Prepared:	01/09/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	160-01-9766
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units
2-Methoxyethanol	109-86-4	1930	ug/mL

17500

Prepared By: ERD
Prepared Date: 1/9/12
Expiration Date: 6/12
SNB364 Certificate of Analysis

Solvent/Barcode: MeOH / 10643
Reagent Purity: ERD
Storage Location (4 +/- 2 C): F204

Stds Prep Log

Source Solution ID or Vial #	Volume of source solution (uL)	Conc. of prepared solution (µg/mL)	Final volume of prepared solution (mL)	Prepared Solution ID
PA # 160-01-9766	~~10~~ 20 ERD 2/9/12	1930	10	2ME_010912

Comments: Accu Standard PS-160C-01-1mL 2-methoxyethanol May 7 2020 160-01-9766

Analytical Standard Record
U.S. EPA Region 3
1200109

std_Org_analytical.rpt

Description:	ERG ISTD	Expires:	08/05/2012
Standard Type:	Internal Std	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A083976
Vials:	1	Received:	02/06/2012
Reagent Purity Checked		Mfgr Expiration:	10/30/2018

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
Acenaphthene-d10	NA	2000	ug/mL
Chrysene-d12	NA	2000	ug/mL
Naphthalene-d8	NA	2000	ug/mL
Perylene-d12	NA	2000	ug/mL
Phenanthrene-d10	NA	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31206
SV Internal Standard Mix 2mg/ml
Rec 2/6/12 ERS
2000 ug/mL each in Methylene Chloride
Lot# A083976 Exp. Date: 10/2018 Store: 10°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200110

std_Org_analytical.rpt

Description:	ERG BSHI_020812	Expires:	06/11/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	EPD		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	60	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	60	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	60	ug/mL	
2,4,5-Trichlorophenol	95-95-4	60	ug/mL	
2,4,6-Trichlorophenol	88-06-2	60	ug/mL	
2,4-Dichlorophenol	120-83-2	60	ug/mL	
2,4-Dimethylphenol	105-67-9	60	ug/mL	
2,4-Dinitrophenol	51-28-5	60	ug/mL	
2,4-Dinitrotoluene	121-14-2	60	ug/mL	
2,6-Dinitrotoluene	606-20-2	60	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~60~~	~~ug/mL~~	Not in mix EPD 2/23/12
2-Chloronaphthalene	91-58-7	60	ug/mL	
2-Chlorophenol	95-57-8	60	ug/mL	
2-Methylnaphthalene	91-57-6	60	ug/mL	
2-Methylphenol	95-48-7	60	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~60~~	~~ug/mL~~	Not in mix EPD 2/23/12
2-Nitroaniline	88-74-4	60	ug/mL	
2-Nitrophenol	88-75-5	60	ug/mL	
3,3´-Dichlorobenzidine	91-94-1	60	ug/mL	
3-Nitroaniline	99-09-2	60	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	60	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	60	ug/mL	
4-Chloro-3-methylphenol	59-50-7	60	ug/mL	
4-Chloroaniline	106-47-8	60	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	60	ug/mL	
4-Methylphenol	106-44-5	60	ug/mL	
4-Nitroaniline	100-01-6	60	ug/mL	
4-Nitrophenol	100-02-7	60	ug/mL	
Acenaphthene	83-32-9	60	ug/mL	
Acenaphthylene	208-96-8	60	ug/mL	

Acetophenone	98-86-2	60	ug/mL	
Anthracene	120-12-7	60	ug/mL	
Atrazine	1912-24-9	60	ug/mL	
Benzaldehyde	100-52-7	~~120~~ 60	ug/mL	EDY 2/23/12
Benzo(a)anthracene	56-55-3	60	ug/mL	Entry error
Benzo(a)pyrene	50-32-8	60	ug/mL	in
Benzo(b)fluoranthene	205-99-2	60	ug/mL	1200106
Benzo(ghi)perylene	191-24-2	60	ug/mL	
Benzo(k)fluoranthene	207-08-9	60	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~60~~	~~ug/mL~~	Not in mix
Benzyl butyl phthalate	85-68-7	60	ug/mL	EDY 2/23/12
~~Biphenyl~~	~~92-52-4~~	~~60~~	~~ug/mL~~	Wrong name
Bis(2-chloroethoxy)methane	111-91-1	60	ug/mL	EDY 2/23/12
Bis(2-chloroethyl)ether	111-44-4	60	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	60	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	60	ug/mL	
Butyl benzyl phthalate	85-68-7	60	ug/mL	
Caprolactam	105-60-2	60	ug/mL	
Carbazole	86-74-8	60	ug/mL	
Chrysene	218-01-9	60	ug/mL	
Dibenz(a,h)anthracene	53-70-3	60	ug/mL	
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~60~~	~~ug/mL~~	Wrong name
Dibenzofuran	132-64-9	60	ug/mL	EDY 2/23/12
Diethyl phthalate	84-66-2	60	ug/mL	
Dimethyl phthalate	131-11-3	60	ug/mL	
Di-n-butyl phthalate	84-74-2	60	ug/mL	
Di-n-octyl phthalate	117-84-0	60	ug/mL	
Fluoranthene	206-44-0	60	ug/mL	
Fluorene	86-73-7	60	ug/mL	
Hexachlorobenzene	118-74-1	60	ug/mL	
Hexachlorobutadiene	87-68-3	60	ug/mL	
Hexachlorocyclopentadiene	77-47-4	60	ug/mL	
Hexachloroethane	67-72-1	60	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	60	ug/mL	
Isophorone	78-59-1	60	ug/mL	
Naphthalene	91-20-3	60	ug/mL	
Nitrobenzene	98-95-3	60	ug/mL	
N-Nitrosodimethylamine	62-75-9	60	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	60	ug/mL	
N-Nitrosodiphenylamine	86-30-6	60	ug/mL	
Pentachlorophenol	87-86-5	60	ug/mL	
Phenanthrene	85-01-8	60	ug/mL	
Phenol	108-95-2	60	ug/mL	

Analytical Standard Record
U.S. EPA Region 3
1200110

Pyrene	129-00-0	60	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200106	ERG OLM 01.1 Revised SV Mega Mix	02/06/2012	08/05/2012	** Vendor **	Restek	A085199	1000	0.6
1200107	ERG Additions Standards	02/06/2012	08/05/2012	** Vendor **	Restek	A084293	1000	0.6
1200108	ERG N-Nitrosodimethylamine	02/06/2012	08/05/2012	** Vendor **	Restek	A069622	1000	0.6

Analytical Standard Record
U.S. EPA Region 3
1200111

std_Org_analytical.rpt

Description:	ERG DIHI_020812	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	02/08/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	10	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked EPM

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	60	ug/mL
2-Methoxyethanol	109-86-4	57.9	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.3
1200073	ERG 2ME_010912	01/09/2012	07/23/2012	Eric Graybill	AccuStandard	160-01-9766	1930	0.3

500

Analytical Standard Record
U.S. EPA Region 3
1200087

std_Org_analytical.rpt

Description:	ERG DILO_013112	Expires:	07/22/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		

Reagent Purity Checked

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	5	ug/mL
2-Methoxyethanol	109-86-4	23.16	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200053	ERG 1-methylnaphthalene	01/24/2012	07/22/2012	** Vendor **	Supelco	LB79536	2000	0.125
1200073	ERG 2ME_010912	01/09/2012	07/23/2012	Eric Graybill	AccuStandard	160-01-9766	1930	0.6

Analytical Standard Record
U.S. EPA Region 3
1200085

std_Org_analytical.rpt

Description:	ERG BSLO_013112	Expires:	03/14/2012
Standard Type:	Analyte Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Eric Graybill
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	50	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	ERG		

Analyte	CAS Number	Concentration	Units	
1,1-Biphenyl	92-52-4	5	ug/mL	
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/mL	
2,3,4,6-Tetrachlorophenol	58-90-2	5	ug/mL	
2,4,5-Trichlorophenol	95-95-4	5	ug/mL	
2,4,6-Trichlorophenol	88-06-2	5	ug/mL	
2,4-Dichlorophenol	120-83-2	5	ug/mL	
2,4-Dimethylphenol	105-67-9	5	ug/mL	
2,4-Dinitrophenol	51-28-5	5	ug/mL	
2,4-Dinitrotoluene	121-14-2	5	ug/mL	
2,6-Dinitrotoluene	606-20-2	5	ug/mL	
~~2-Butoxyethanol~~	~~111-76-2~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Chloronaphthalene	91-58-7	5	ug/mL	
2-Chlorophenol	95-57-8	5	ug/mL	
2-Methylnaphthalene	91-57-6	5	ug/mL	
2-Methylphenol	95-48-7	5	ug/mL	
~~2-Naphthylamine~~	~~91-59-8~~	~~5~~	~~ug/mL~~	Not in mix ERG 2/23/12
2-Nitroaniline	88-74-4	5	ug/mL	
2-Nitrophenol	88-75-5	5	ug/mL	
3,3'-Dichlorobenzidine	91-94-1	5	ug/mL	
3-Nitroaniline	99-09-2	5	ug/mL	
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/mL	
4-Bromophenyl phenyl ether	101-55-3	5	ug/mL	
4-Chloro-3-methylphenol	59-50-7	5	ug/mL	
4-Chloroaniline	106-47-8	5	ug/mL	
4-Chlorophenyl phenyl ether	7005-72-3	5	ug/mL	
4-Methylphenol	106-44-5	5	ug/mL	
4-Nitroaniline	100-01-6	5	ug/mL	
4-Nitrophenol	100-02-7	5	ug/mL	
Acenaphthene	83-32-9	5	ug/mL	
Acenaphthylene	208-96-8	5	ug/mL	

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1200085

Acetophenone	98-86-2	5	ug/mL	
Anthracene	120-12-7	5	ug/mL	
Atrazine	1912-24-9	5	ug/mL	CRD 2/23/12
Benzaldehyde	100-52-7	~~10~~ 5	ug/mL	Entry error
Benzo(a)anthracene	56-55-3	5	ug/mL	in ~~HH~~ CRD 2/2
Benzo(a)pyrene	50-32-8	5	ug/mL	1100807
Benzo(b)fluoranthene	205-99-2	5	ug/mL	
Benzo(ghi)perylene	191-24-2	5	ug/mL	
Benzo(k)fluoranthene	207-08-9	5	ug/mL	
~~Benzyl alcohol~~	~~100-51-6~~	~~5~~	~~ug/mL~~	Not in mix
Benzyl butyl phthalate	85-68-7	5	ug/mL	CRD 2/23/12
~~Biphenyl~~	~~92-52-4~~	~~5~~	~~ug/mL~~	Wrong Name
Bis(2-chloroethoxy)methane	111-91-1	5	ug/mL	CRD 2/23/1
Bis(2-chloroethyl)ether	111-44-4	5	ug/mL	
Bis(2-chloroisopropyl)ether	39638-32-9	5	ug/mL	
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/mL	
Butyl benzyl phthalate	85-68-7	5	ug/mL	
Caprolactam	105-60-2	5	ug/mL	
Carbazole	86-74-8	5	ug/mL	
Chrysene	218-01-9	5	ug/mL	
Dibenz(a,h)anthracene	53-70-3	5	ug/mL	
~~Dibenzo(a,h) anthracene~~	~~53-70-3~~	~~5~~	~~ug/mL~~	Wrong Name
Dibenzofuran	132-64-9	5	ug/mL	CRD 2/23/12
Diethyl phthalate	84-66-2	5	ug/mL	
Dimethyl phthalate	131-11-3	5	ug/mL	
Di-n-butyl phthalate	84-74-2	5	ug/mL	
Di-n-octyl phthalate	117-84-0	5	ug/mL	
Fluoranthene	206-44-0	5	ug/mL	
Fluorene	86-73-7	5	ug/mL	
Hexachlorobenzene	118-74-1	5	ug/mL	
Hexachlorobutadiene	87-68-3	5	ug/mL	
Hexachlorocyclopentadiene	77-47-4	5	ug/mL	
Hexachloroethane	67-72-1	5	ug/mL	
Indeno(1,2,3-cd)pyrene	193-39-5	5	ug/mL	
Isophorone	78-59-1	5	ug/mL	
Naphthalene	91-20-3	5	ug/mL	
Nitrobenzene	98-95-3	5	ug/mL	
N-Nitrosodimethylamine	62-75-9	5	ug/mL	
N-Nitroso-di-n-propylamine	621-64-7	5	ug/mL	
N-Nitrosodiphenylamine	86-30-6	5	ug/mL	
Pentachlorophenol	87-86-5	5	ug/mL	
Phenanthrene	85-01-8	5	ug/mL	
Phenol	108-95-2	5	ug/mL	

Pyrene	129-00-0	5	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100656	ERG Additions Standards 091311	09/13/2011	03/14/2012	Eric Graybill	Restek	A077017	1000	0.25
1100807	ERG OLM 01.1 Revised SV Mega Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A082407	1000	0.25
1100837	ERG N-Nitrosodimethylamine	12/27/2011	06/24/2012	** Vendor **	Restek	A0696622	1000	0.25

Analytical Standard Record
U.S. EPA Region 3
1100836

std_Org_analytical.rpt

Description:	ERG B/N Surrogate Mix	Expires:	06/24/2012
Standard Type:	Surrogate Spike	Prepared:	12/27/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methylene Chloride	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080907
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	ERD	Mfgr Expiration:	04/30/2018

Analyte	CAS Number	Concentration	Units
2-Fluorobiphenyl	321-60-8	5000	ug/mL
Nitrobenzene-d5	NA	5000	ug/mL
Terphenyl-d14	NA	5000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31062
Sonicate prior to use.
B/N Surrogate Mix (4/89 SOW)
5000 ug/mL each in Methylene Chloride
Lot# A080907 Exp. Date: 04/2018 Store: 10°C or colder
Rec 9/20/11 ERD

Analytical Standard Record
U.S. EPA Region 3
1100808

std_Org_analytical.rpt

Description:	ERG Acid Surrogate Standard Mix	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	12/14/2011
Department:	ORGANIC-GCMS	Prepared By:	** Vendor **
Solvent:	Methanol	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080152
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	EPM	Mfgr Expiration:	03/30/2019

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	10000	ug/mL
2-Fluorophenol	367-12-4	10000	ug/mL
Phenol-d5	NA	10000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 31063
Acid Surrogate Standard Mix (4/89)
10000 ug/mL each in Methanol
Rec 9/20/11 EPM
Lot# A080152 Exp. Date: 03/2019 Store: 10°C or colder

17500

Analytical Standard Record
U.S. EPA Region 3
1200083

std_Org_analytical.rpt

Description:	ERG SURR_013112	Expires:	06/11/2012
Standard Type:	Surrogate Spike	Prepared:	01/31/2012
Department:	ORGANIC-GCMS	Prepared By:	Kevin Poff
Solvent:	MeOH/10643	Vendor:	Restek
Final Volume (mls):	100	Vendor Lot:	Below
Vials:	1		
Reagent Purity Checked	EPM		

Analyte	CAS Number	Concentration	Units
2,4,6-Tribromophenol	118-79-6	100	ug/mL
2-Fluorobiphenyl	321-60-8	50	ug/mL
2-Fluorophenol	367-12-4	100	ug/mL
Nitrobenzene-d5	NA	50	ug/mL
Phenol-d5	NA	100	ug/mL
Terphenyl-d14	NA	50	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100808	ERG Acid Surrogate Standard Mix	12/14/2011	06/11/2012	** Vendor **	Restek	A080152	10000	1
1100836	ERG B/N Surrogate Mix	12/27/2011	06/24/2012	** Vendor **	Restek	A080907	5000	1